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Planning for climate change: an assessment of vulnerability in the city of São Paulo

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Abstract

The evidence on climate change and its implications to the future generations have motivated an increasing discussion on adaptation agendas and the necessity to plan more resilient urban spaces. However, implementing effective approaches for climate change adaptation are particularly challenging in countries like Brazil, where the planning of an adequate infrastructure system was not able to accompany the accelerated urbanisation process. Particularly in the city of São Paulo, such rapid urban population growth contributed to an urbanisation that is territorially extensive and characterised by socio-spatial inequalities and severe environmental issues. As the existent inequalities are predicted to aggravate the effects of climate change in the livelihoods of the population, it becomes of utmost importance to identify and address current vulnerabilities in order to strengthen the resilience of cities. Therefore, the aim of the thesis is to identify areas within the municipality of São Paulo that are subjected to a greater risk when faced with extreme events and climate change, so that vulnerable regions, sectors or population groups can be prioritised when planning adaptation strategies. Thus, a vulnerability assessment was elaborated through the construction of a social vulnerability index and the geospatial analysis of data using GIS tools. The results of the assessment were then combined to data regarding the susceptibility to flood events in order to produce a map of risk posed by flooding, so that “territories of risk” – where social and environmental vulnerabilities overlap – could be identified for intervention.

Keywords

Social vulnerability index; climate change; disaster risk; floods; São Paulo.

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List of abbreviations

CO₂ - carbon dioxide

CRED - Centre for Research on the Epidemiology of Disasters

C40 - C40 Cities Climate Leadership Group

EMPLASA - Metropolitan Planning Company of São Paulo

GIS - Geographic Information System

HAND - Height Above the Nearest Drainage

IBGE - Brazilian Institute of Geography and Statistics

INPE – Brazilian National Institute for Space Research

IPCC - Intergovernmental Panel on Climate Change

IPEA - Brazilian Institute of Applied Economic Research

i.e. - in other words

km - kilometres

mm - millimetres

PCA - principal component analysis

SIGRC - Integrated Citizen Relationship Management System of the Municipality of São Paulo

SMDU - Department of Urban Development of the Municipality of São Paulo

SMUL - Department of Urbanism and Licensing of the Municipality of São Paulo

SoVI - Social Vulnerability Index developed by Cutter et al. (2003)

SVMA - Department of Green and Environment Affairs of the Municipality of São Paulo

UDH - human development unit

°C - degrees Celsius

1 Introduction

1.1 Background

In its last report, the IPCC (2021) acknowledged that the global surface temperature will continue to increase at least until 2050 under all considered emissions scenarios and that, unless deep reductions in greenhouse gas emissions occur in the next decades, a global warming of about 2°C will be exceeded during this century. Such scenario could threaten the survival of animal and plant species, melt glaciers, and significantly affect agriculture and the water supply of hundreds of millions of people (Nobre et al., 2010). In the context of a changing climate, the urban areas constitute one of the biggest challenges at present, as the urban population has surpassed 4.2 billion people and it is predicted that this number will reach 5 billion in 2030 (United Nations, 2018).

In Central and South America, climate variability has been affecting social and natural systems at various time scales at the same time as extreme events have been distressing large regions of the continent (Magrin et al., 2014). Just in Brazil, in the period between 2000 and 2020, 105 climatological and hydro-meteorological extreme events have occurred, resulting in more than 2900 fatalities, approximately 50 million people affected and estimated economic losses that exceed 20 billion US dollars (CRED, 2022).

1.2 Problem description

The evidence on climate change and the apprehension about its future implications have motivated an increasing discussion on how to rethink cities and plan more resilient and adaptable urban spaces. However, when it comes to implementing effective approaches for climate change adaptation, countless challenges are faced. These challenges are particularly severe for developing countries like Brazil, where an accelerated and chaotic urbanisation took place. In Brazil, more specifically in the city of São Paulo, as a consequence of this accelerated urbanisation process, the investments in planning and supply of an adequate urban infrastructure system were unable to accompany the fast pace of the urban population growth. In addition to that, a lack of governmental regulations greatly contributed to an urban development that prioritised political and economic interests. As a consequence, a territorially extensive urbanisation contributed to an unequal distribution of population and economic opportunities, as much as to severe environmental problems.

With the changing climate and increased frequency of extreme events, it has become ever more evident that the existent inequalities within the municipality of São Paulo aggravate the impacts that these events pose to the livelihoods of the population. With that in mind, identifying and spatialising these inequalities have an essential role in the planning of more resilient cities.

1.3 Research question and objectives

The long-lasting inequalities present in São Paulo have only aggravated environmental and social crises in the city. As exemplified by the recent COVID-19 pandemic, several discrepancies within the municipality have determined how deeply different communities and neighbourhoods were affected and responded to the crisis. Therefore, as these discrepancies tend to become even more prominent due to the effects of climate change, it is necessary to identify different patterns of environmental and social vulnerability in the city of São Paulo in order to prioritise public policies and identify suitable solutions for different cases. As climate change will not have a uniform effect on all communities, an understanding of vulnerability in different parts of the city becomes critical as a planning instrument for climate change adaptation.

Therefore, this research aims to identify the areas within the municipality of São Paulo that are subjected to a greater risk when faced with extreme events and climate change, considering their social vulnerability and capacity to recover from disasters. In order to elaborate a vulnerability assessment of the municipality, the research aims to achieve the following objectives: identify major environmental risks to which the municipality is subjected, choose relevant variables to evaluate social vulnerability according to the local context and available data, map the measured social vulnerability and superimpose it to an exposure (to hazards) map using GIS tools.

1.4 Research methodology

With the aim of assessing vulnerability to climate change in the municipality of São Paulo, an index of social vulnerability based on the methodology proposed by Cutter et al. (2003) was constructed whilst taking into consideration the local context and the data available for the chosen unit of analysis. The decision to utilise an index to measure social vulnerability was taken on account of it being a useful tool that helps to identify social and spatial inequalities in order to prioritise vulnerable regions, sectors or population groups. After the selection of appropriate variables, the computation of the index was achieved through statistical analysis.

Following the calculation of the vulnerability index for each unit of analysis, GIS tools can be used to support the geospatial analysis of data as well as assist the interpretation of abstract concepts through spatial mapping and visualisation. Thus, the georeferencing of the different levels of vulnerability identified in the municipality can be used to emphasise areas of the territory where impacts on society are expected to be most severe and therefore facilitate the identification of priority areas for intervention.

1.5 Outline of thesis

The thesis is structured by an introduction and five other chapters organised in the following order:

Chapter 2. Theoretical background: this chapter outlines concepts associated with vulnerability to climate change – such as vulnerability, exposure and risk – and briefly reviews approaches used to measure vulnerability in order to set a theoretical basis for the elaboration of the vulnerability assessment proposed by the thesis.

Chapter 3. Characterisation of the study area: this chapter depicts the environmental and socioeconomic contexts of the selected study area (municipality of São Paulo) and identifies aspects of its urbanisation process that could characterise the existent social inequalities and projected risk scenarios for the area.

Chapter 4. Methodology: this chapter presents and describes the methods used for data collection and analysis as well as the approach employed for the construction of the social vulnerability index and spatial assessment of the results.

Chapter 5. Results: this chapter presents the results of the thesis, including the computation of the constructed vulnerability index, the spatialisation of the results using GIS tools and their overlay with different levels of exposure to floods in the municipality of São Paulo.

Chapter 6. Conclusions: this chapter summarises the main findings of the research, acknowledges its limitations and suggests approaches for future research on the topic.

This thesis also contains four appendices:

- Appendix A contains a map of the delimitation of the human development units (UDHs) in the municipality of São Paulo.
- Appendix B contains the georeferenced data for each variable used in the construction of the social vulnerability index.
- Appendix C contains additional tables resulted from the factor analysis in the software *IBM SPSS statistics 28.0*.
- Appendix D contains the data per UDH (human development unit) of each variable used in the construction of the social vulnerability index.

2 Theoretical background

This chapter briefly presents the concepts which are relevant to the research and describes a few methodological approaches for measuring vulnerability, setting a theoretical basis for the development of the proposed vulnerability assessment. First and foremost, climate change is one of the most complex challenges faced by society today. The projected intensification and raise in frequency of climatic events – such as storms, heat waves and droughts – threaten particularly the urbanised areas in the world. In Brazil, about 85% of the country’s population lives in urbanised areas (IBGE, 2010a). And these urban agglomerations increase the propensity of economic, environmental and social damage arising from climate change (GERICS and KfW, 2015; Kim et al., 2021). Therefore, cities pose themselves as fundamental elements to the success of adaptation agendas and should be subject of research that aims to assist authorities and policymakers in planning for a changing climate.

2.1 Concepts and definitions

Considering that some of the concepts addressed in the thesis, such as disaster risk, vulnerability, and exposure, can be interpreted in various ways by different research fields, this section seeks to present the definitions of these terms in the perspective of this research. First of all, it is important to specify the meaning of risk in the context of climate change. The IPCC (2014a, p. 1048) defines risk as

the potential for adverse consequences where something of value is at stake and where the occurrence and degree of an outcome is uncertain. In the context of the assessment of climate impacts, the term risk is often used to refer to the potential for adverse consequences of a climate-related hazard, or of adaptation or mitigation responses to such a hazard, on lives, livelihoods, health and well-being, ecosystems and species, economic, social and cultural assets, services (including ecosystem services), and infrastructure.

The IPCC (2014a) also describes risk as a combination of certain components: the probability of climate-related hazards occurring, the exposure of a system to them and the vulnerability of the affected system to the impacts or consequences of these hazards (see Figure 1). Exposure refers to a situation in which an element is subjected to the probability of harm. As stated by the IPCC (2014a, p. 1048), exposure can be defined as “the presence of people, livelihoods, species or ecosystems, environmental functions, services, and resources, infrastructure, or economic, social, or cultural assets in places and settings that could be adversely affected”. However, it is critical to highlight that, while exposure to a hazard could be the same among a population, the impacts it could pose on each family or individual will be largely determined by their capability to cope with and recover from such events.

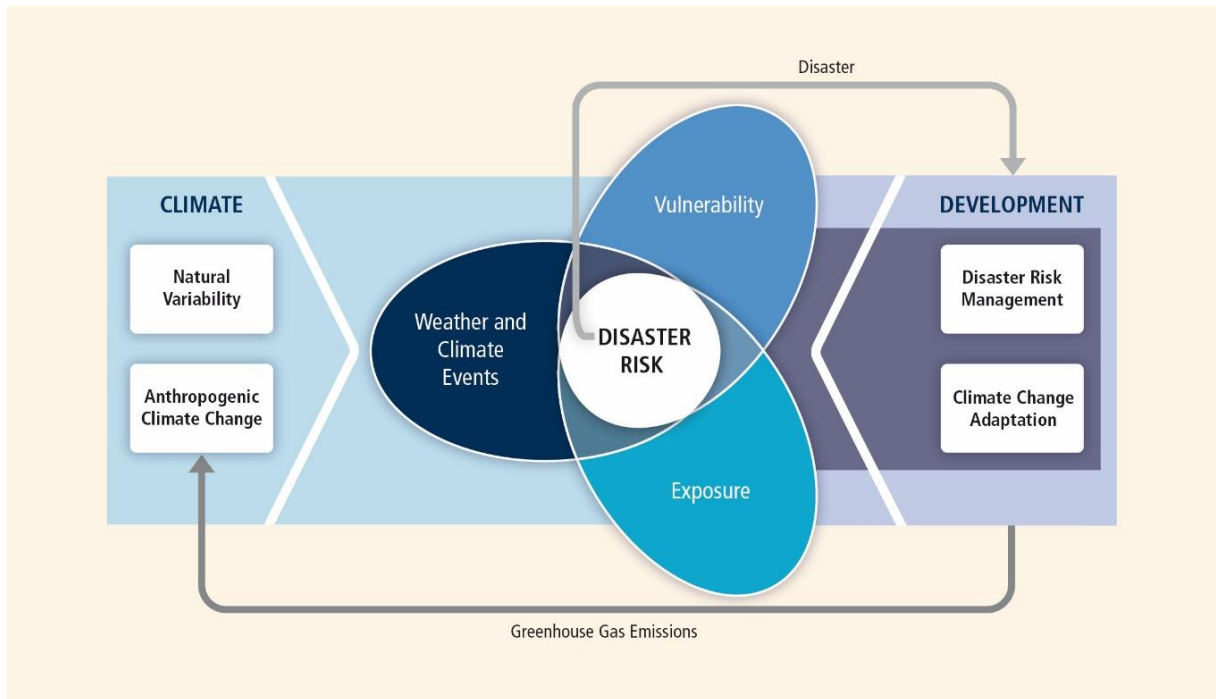


Figure 1: Interaction among weather and climate events, exposure and vulnerability producing risk. Source: IPCC, 2012.

In order to account for this capability to cope and recover, it is necessary to consider the vulnerability of the population, which refers to socioeconomic characteristics or institutional dimensions which affect their susceptibility to climate change impacts (Sherbinin et al., 2019). As the thesis attempts to assess social vulnerability in the context of climate change planning, it is important to establish an understanding of what vulnerability represents in the context of this research. As stated by Birkmann (2013), the concept of vulnerability has been continuously developed over time, however, its exact meaning, framing and assessment remain contested among scientific communities. Adopting the definition given by the IPCC in its fifth assessment report, vulnerability can be described as “the propensity or predisposition to be adversely affected. Vulnerability encompasses a variety of concepts and elements including sensitivity or susceptibility to harm and lack of capacity to cope and adapt” (IPCC, 2014a, p. 1048). According to this perspective, vulnerability is a multidimensional concept that can change and evolve over time according to the characteristics of the system concerned.

Cutter and Finch (2019, p. 130) also pointed out that social vulnerability measures “both the sensitivity of a population to natural hazards and its ability to respond to and recover from the impacts of hazards”. Thus, it could be considered as a combination of social inequalities – such as age, race and income – and place inequalities, for instance access to basic services and infrastructure (Cutter et al., 2003). According to Infield et al. (2019), the impacts of climate change are not evenly distributed across regions or populations, and the disadvantaged are often concentrated in areas subjected to natural hazards.

Therefore, for the population which is already affected by poverty, food insecurity, inadequate water supply or other issues, the combination of these existing concerns with the impacts of climate change will amplify inherent risks and threaten the livelihoods of the population. According to Bolay (2020), the impoverished communities are the first to suffer from the lack of infrastructure and services and they are often informally settled, particularly in areas classified as unbuildable due to risks such as steep hillsides and floodplains. Thereby, as Hardoy and Satterthwaite (1991) argue that much of the urban population in the Global South lives in poverty, it becomes vital to identify and address vulnerability in these regions.

2.2 Social vulnerability assessments

There is a wide variety of approaches utilised to assess vulnerability in the context of disaster risk and climate change. Vulnerability is, nevertheless, a multifaceted abstract concept which cannot be easily measured or quantified. “The analysis of different conceptual frameworks and assessment methodologies has shown that no single conceptual approach can capture and explain vulnerability comprehensively” (Birkmann, 2013, p. 552). In spite of the limitations and obstacles, vulnerability assessments are yet an important tool that helps to bridge the gaps between the theory and the actual decision-making processes.

Considered as a latent variable, i.e., inherent to a person or a place but not directly observable, social vulnerability can only be measured indirectly by utilising measurable parameters, such as the demographic attributes of an area (Spielman et al., 2020). In 2003, Cutter et al. identified in relevant research the most mentioned characteristics which influence social vulnerability (see Table 1) and developed one of the most widespread social vulnerability indicators, the Social Vulnerability Index (SoVI), based on demographic and socioeconomic data from the United States. The index attempted to synthesise the characteristics which were capable of influencing social vulnerability to natural hazards into a single model.

Throughout the years, the SoVI has achieved a modicum of success as an empirically based approach for measuring social vulnerability and has been widely replicated and adapted around the world (Cutter and Morath, 2013). In Brazil, the SoVI was replicated and adapted by Loyola Hummell et al. (2016) in an assessment of vulnerability that included all 5565 Brazilian cities as study units. And although the analysis and measurement of vulnerability proposed by some other Brazilian researchers do not directly replicate the SoVI, they still corroborate the perspective of Cutter et al. (2003). In Table 2, the author has summarised which of the concepts compiled by Cutter et al. were utilised in four different vulnerability assessments proposed for the context of Brazil. The most frequently adopted concepts are socioeconomic status (mostly measured by income), gender, age, infrastructure (focus on adequate water supply and sanitation conditions), family structure and education.

Table 1: Compilation of social vulnerability concepts identified by Cutter et al. in relevant research.
Source: Cutter et al., 2003.

Concept	Description
Socioeconomic status (income, political power, prestige)	The ability to absorb losses and enhance resilience to hazard impacts. Wealth enables communities to absorb and recover from losses more quickly due to insurance, social safety nets and entitlement programs. <i>Sources: Cutter, Mitchell and Scott (2000); Burton, Kates and White (1993); Blaikie et al. (1994); Peacock, Morrow and Gladwin (1997, 2000); Hewitt (1997); Puente (1999); and Platt (1999).</i>
Gender	Women can have a more difficult time during recovery than men, often due to sector-specific employment, lower wages and family care responsibilities. <i>Sources: Blaikie et al. (1994); Enarson and Morrow (1998); Enarson and Scanlon (1999); Morrow and Phillips (1999); Fothergill (1996); Peacock, Morrow and Gladwin (1997, 2000); Hewitt (1997); and Cutter (1996).</i>
Race and ethnicity	Imposes language and cultural barriers that affect access to post-disaster funding and residential locations in high hazard areas. <i>Sources: Pulido (2000); Peacock, Morrow and Gladwin (1997, 2000); Bolin with Stanford (1998); and Bolin (1993).</i>
Age	Extremes of the age spectrum affect the movement out of harm's way. Parents lose time and money caring for children when day-care facilities are affected; elderly may have mobility constraints or mobility concerns increasing the burden of care and lack of resilience. <i>Sources: Cutter, Mitchell and Scott (2000); O'Brien and Mileti (1992); Hewitt (1997); and Ngo (2001).</i>
Commercial and industrial development	The value, quality, and density of commercial and industrial buildings provides an indicator of the state of economic health of a community, potential losses in the business community and longer-term issues with recovery after an event. <i>Sources: Heinz Centre for Science, Economics and the Environment (2000); Webb, Tierney and Dahlhamer (2000).</i>
Employment loss	The potential loss of employment following a disaster exacerbates the number of unemployed workers in a community, contributing to a slower recovery from the disaster. <i>Source: Mileti (1999).</i>
Rural / urban	Rural residents may be more vulnerable due to lower incomes and more dependent on locally based resource extraction economies (e.g., farming, fishing). High-density areas (urban) complicate evacuation out of harm's way. <i>Sources: Cutter, Mitchell and Scott (2000); Cova and Church (1997); and Mitchell (1999).</i>
Residential property	The value, quality and density of residential construction affect potential losses and recovery. Expensive homes on the coast are costly to replace; mobile homes are easily destroyed and less resilient to hazards. <i>Sources: Heinz Centre for Science, Economics and the Environment (2000); Cutter, Mitchell and Scott (2000); and Bolin and Stanford (1991).</i>
Infrastructure and lifelines	Loss of sewers, bridges, water, communications and transportation infrastructure compounds potential disaster losses. The loss of infrastructure may place an insurmountable financial burden on smaller communities that lack the financial resources to rebuild. <i>Sources: Heinz Centre for Science, Economics and the Environment (2000); and Platt (1995).</i>

Renters	<p>People that rent do so because they are either transient or do not have the financial resources for home ownership. They often lack access to information about financial aid during recovery. In the most extreme cases, renters lack sufficient shelter options when lodging becomes uninhabitable or too costly to afford.</p> <p><i>Sources: Heinz Centre for Science, Economics and the Environment (2000); and Morrow (1999).</i></p>
Occupation	<p>Some occupations, especially those involving resource extraction, may be severely impacted by a hazard event. Self-employed fishermen suffer when their means of production is lost and may not have the requisite capital to resume work in a timely fashion and thus will seek alternative employment. Those migrant workers engaged in agriculture and low-skilled service jobs (housekeeping, childcare, and gardening) may similarly suffer, as disposable income fades and the need for services declines. Immigration status also affects occupational recovery.</p> <p><i>Sources: Heinz Centre for Science, Economics and the Environment (2000); Hewitt (1997); and Puente (1999).</i></p>
Family structure	<p>Families with large numbers of dependents or single parent households often have limited finances to outsource care for dependents and thus must juggle work responsibilities and care for family members. All affect the resilience to and recovery from hazards.</p> <p><i>Sources: Blaikie et al. (1994); Morrow (1999); Heinz Centre for Science, Economics and the Environment (2000); and Puente (1999).</i></p>
Education	<p>Education is linked to socioeconomic status, with higher educational attainment resulting in greater lifetime earnings. Lower education constrains the ability to understand warning information and access to recovery information.</p> <p><i>Source: Heinz Centre for Science, Economics and the Environment (2000).</i></p>
Population growth	<p>Counties experiencing rapid growth lack available quality housing and the social services network may not have had time to adjust to increased populations. New migrants may not speak the language and not be familiar with bureaucracies for obtaining relief or recovery information, all of which increase vulnerability.</p> <p><i>Sources: Heinz Centre for Science, Economics and the Environment (2000); Cutter, Mitchell and Scott (2000); Morrow (1999); and Puente (1999).</i></p>
Medical services	<p>Health care providers, including physicians, nursing homes and hospitals, are important post-event sources of relief. The lack of proximate medical services will lengthen immediate relief and longer-term recovery from disasters.</p> <p><i>Sources: Heinz Centre for Science, Economics and the Environment (2000); Morrow (1999); and Hewitt (1997).</i></p>
Social dependence	<p>Those people who are totally dependent on social services for survival are already economically and socially marginalised and require additional support in the post-disaster period.</p> <p><i>Sources: Morrow (1999); Heinz Centre for Science, Economics and the Environment (2000); Drabek (1996); and Hewitt (2000).</i></p>
Special needs populations	<p>Special needs populations (infirm, institutionalised, transient, homeless), while difficult to identify and measure, are disproportionately affected during disasters and, because of their invisibility in communities, mostly ignored during recovery.</p> <p><i>Sources: Morrow (1999); and Tobin and Ollenburger (1993).</i></p>

Table 2: Adoption of concepts compiled by Cutter et al. (2003) by four vulnerability assessments in Brazil (adopted concepts marked in green). Source: table elaborated by the author.

Vulnerability assessments in Brazil					
Author		Alves (2013)	Almeida (2010)	Deschamps (2004)	Cunha et al. (2004)
Unit of analysis		Census tract	Census tract	Dissemination area	Dissemination area
Location of the analysis		16 municipalities on the coast of the State of São Paulo	Basin of <i>Maranguapinho</i> River in the State of Ceará	Metropolitan region of Curitiba in the State of Paraná	Municipality of Campinas in the State of São Paulo
Concepts identified by Cutter et al. (2003)	Socioeconomic status				
	Gender				
	Race and ethnicity				
	Age				
	Commercial and industrial development				
	Employment loss				
	Rural / urban				
	Residential property				
	Infrastructure and lifelines				
	Renters				
	Occupation				
	Family structure				
	Education				
	Population growth				
	Medical services				
	Social dependence				
	Special needs populations				

The concept of employment is adopted in a different perspective by some of the assessments, which take into consideration the number of unemployed and/or the formality rate of the employed. Moreover, the disregard of the concepts of medical services and social dependence on these assessments could be particularly attributed to the availability of such data for smaller territorial units, such as census tracts and dissemination areas. Lastly, the social vulnerability index (SoVI) proposed by Cutter et al. (2003) seems to provide a reliable theoretical basis for the elaboration of similar assessments, nonetheless it is typically adapted and reshaped to reflect the context under consideration as well as adjusted to the available data.

3 Characterisation of the study area

3.1 Brazilian context

The extensive and accelerated urbanisation that took place in the last centuries and is still ongoing in different parts of the world has led to grave consequences to the environment and the quality of life in urban areas. The situation is particularly severe in developing countries, where predominantly the urbanisation process tends to unfold at an accelerated pace. Brazil is no exception: the tremendous speed of the urbanisation that occurred in the country, especially in the second half of the twentieth century, has profoundly affected the patterns in which Brazilian cities were shaped and it is one of the structural determinants of the constitution of modern Brazilian society (Brito and Pinho, 2012).

The shift from a rural to a more predominantly urban society took place in a very short interval of time in Brazil (see Figure 2). The urban population of the country grew just in the period from 1950 to 2010 from around 18 million to more than 160 million inhabitants (IBGE, 2010a). As a consequence of this accelerated process, the investments in planning and supply of an adequate urban infrastructure system were unable to accompany the fast pace of the urban population growth.

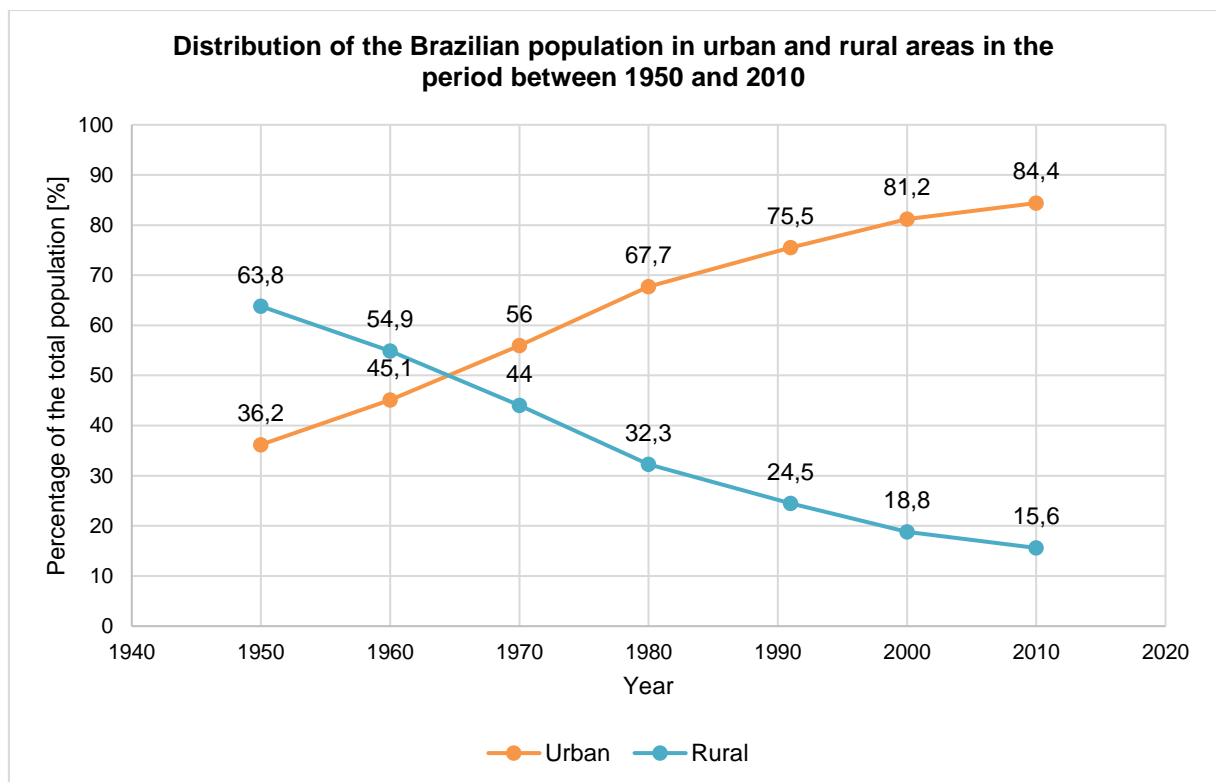


Figure 2: Distribution in percentages of the Brazilian population in urban and rural areas in the period between 1950 and 2010. Source: elaborated by the author based on data from the Brazilian Institute of Geography and Statistics (IBGE, 2010a).

3.2 Urbanisation process in São Paulo

São Paulo is a municipality located in the homonymous state in south-eastern Brazil (see Figure 3). In addition to other 38 municipalities, it shapes the largest metropolitan region in the country. The development process of the city of São Paulo reflected the urbanisation process in Brazil, characterised by one of the most accelerated rural-urban transitions in the world (SMDU, 2012). In 1872, São Paulo had a population of slightly over 31 thousand inhabitants. At present, São Paulo is the most populated municipality in Brazil and South America with an estimated population of around 12 million inhabitants (IBGE, 2022).



Figure 3: Location of the state of São Paulo within Brazil and the municipality of São Paulo within the homonymous state. Figures by *TUBS* / CC-BY-SA-3.0 and *Shadowxfox* / CC-BY-2.5. Source: Wikimedia Commons contributors, 2022a and 2022b.

São Paulo was founded by Jesuit missionaries in 1554 and established on top of a small hill between two rivers, the *Tamanduateí* and the *Anhangabaú*, in an area characterised by a phenomenon of regular river floods (Gouveia, 2016). As stated by Travassos (2004), on one hand, the urban occupation of the region depended on the existence of the nearby rivers and streams, but on the other hand, as the city spread out across the territory, various conflicts with its natural support were surfaced. Although the numerous water courses that used to meander the region played a crucial role in the development of the city, they ended up over time acquiring the mere function of transporting away the garbage and sewage produced by its inhabitants.

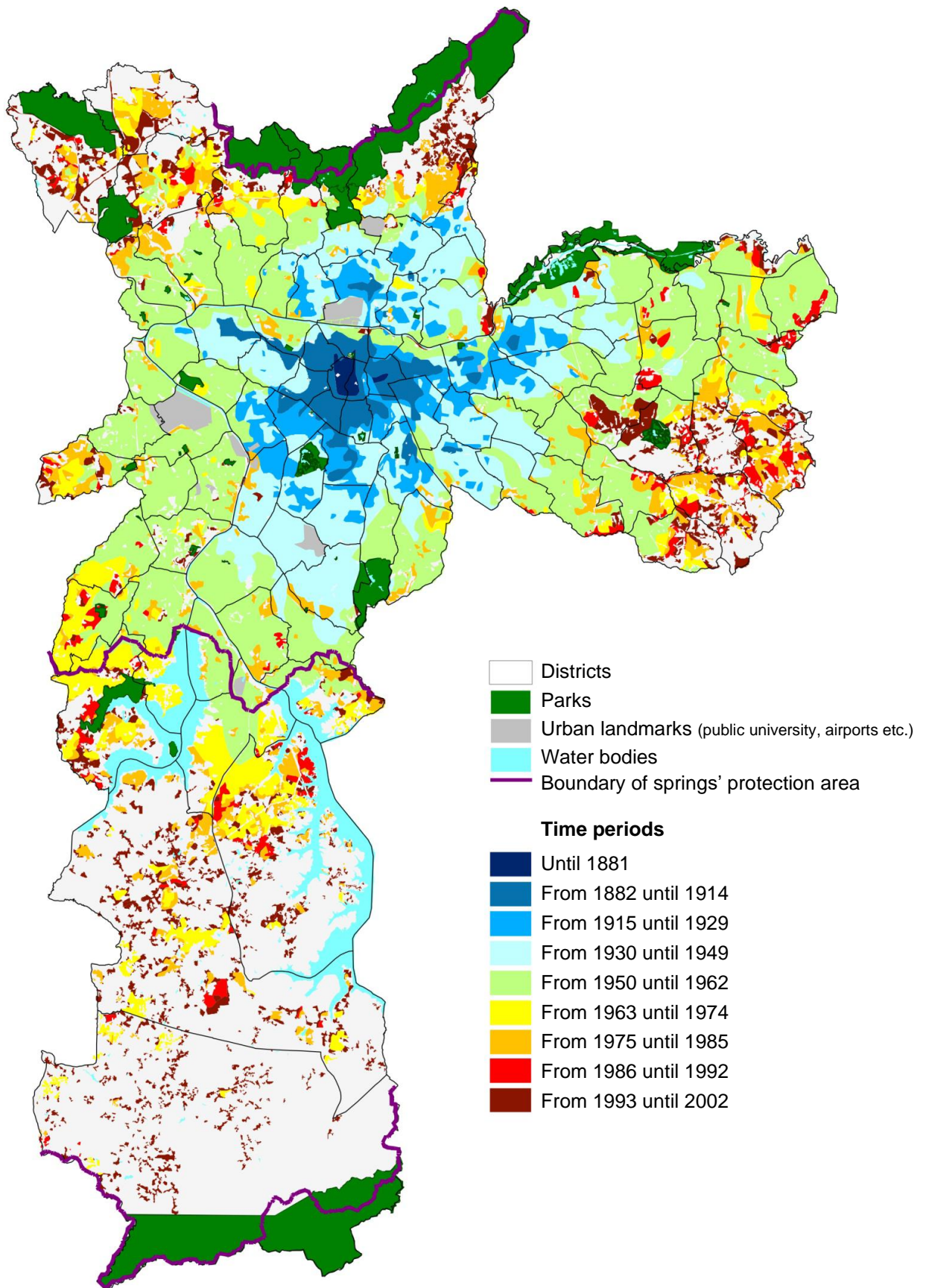


Figure 4: Expansion of the urbanised area of the municipality of São Paulo between 1881 and 2002. Source: adapted from EMLASA, 2002/2003.

In association with the fast and unorganised urban growth of the city that happened predominantly in the twentieth century, the provision of enough infrastructure to satisfy the needs of the millions of people arriving in São Paulo led to a series of problems. That includes a drastic reduction of the green areas within the city, the channelling and canalisation of many rivers and streams and a spread urbanisation (Marques, 2017). This territorially extensive urbanisation (see Figure 4) contributed to an unequal distribution of population and economic opportunities, as much as to severe environmental problems. Among those environmental problems are the occupation of springs surroundings and environmentally fragile areas; the occupation of valleys, especially for the implementation of large avenues; and the high impermeabilization of the urban soil, which has resulted in a velocity increase of the stormwater runoff and intensified the floods (SMDU, 2012).

According to an analysis made by Marques (2017), it was identified that about 20% of the water streams in the city of São Paulo are currently underground and approximately 5% of those still running on the surface are confined in concrete channels. The analysis also detected that almost 100% of the water streams that were confined underground or in concrete channels are located in the urban areas of the municipality, which turned large portions of the city completely arid due to the absence of green areas that originally accompanied the water network.

It is also relevant to point out that the water courses in the urban area of the city are heavily polluted. Since the basic sanitation and drainage systems do not cover the entire occupied area of the municipality, the generated sewage and the stormwater, which collects all the dispersed pollution and garbage from the streets, flow into the affluents and contaminate the entire river network (Ikeda, 2016). The occupation of riverbanks and conservation areas by irregular housing, a result of an unattended demand for social housing, also contributes to the water pollution and increases the risk of the exposed population to events such as floods.

Moreover, the floodplains, where since the foundation of the city a phenomenon of regular river floods has occurred, were drought and deforested to give place to rigid grey infrastructure and occupied mostly by roads and expressways. Once the main avenues, the floodplains and the green areas in the municipality of São Paulo are combined in a single map, it is noticeable how the main roads and expressways concentrated themselves in the floodplains, and drastically reduced the network of natural green areas in the regions where the urbanisation is more intense (see Figure 5). As a result of narrowing the riverbeds and sealing the soil, the storm events cause ever more frequently an overflow of the water streams, in a way that the annual floods have turned into catastrophes (Ikeda, 2016). These events already occur often in the metropolitan region of São Paulo, yet it has been predicted that, due to the consequences of climate change, these events will be even more frequent and intense (Delgado, 2020).

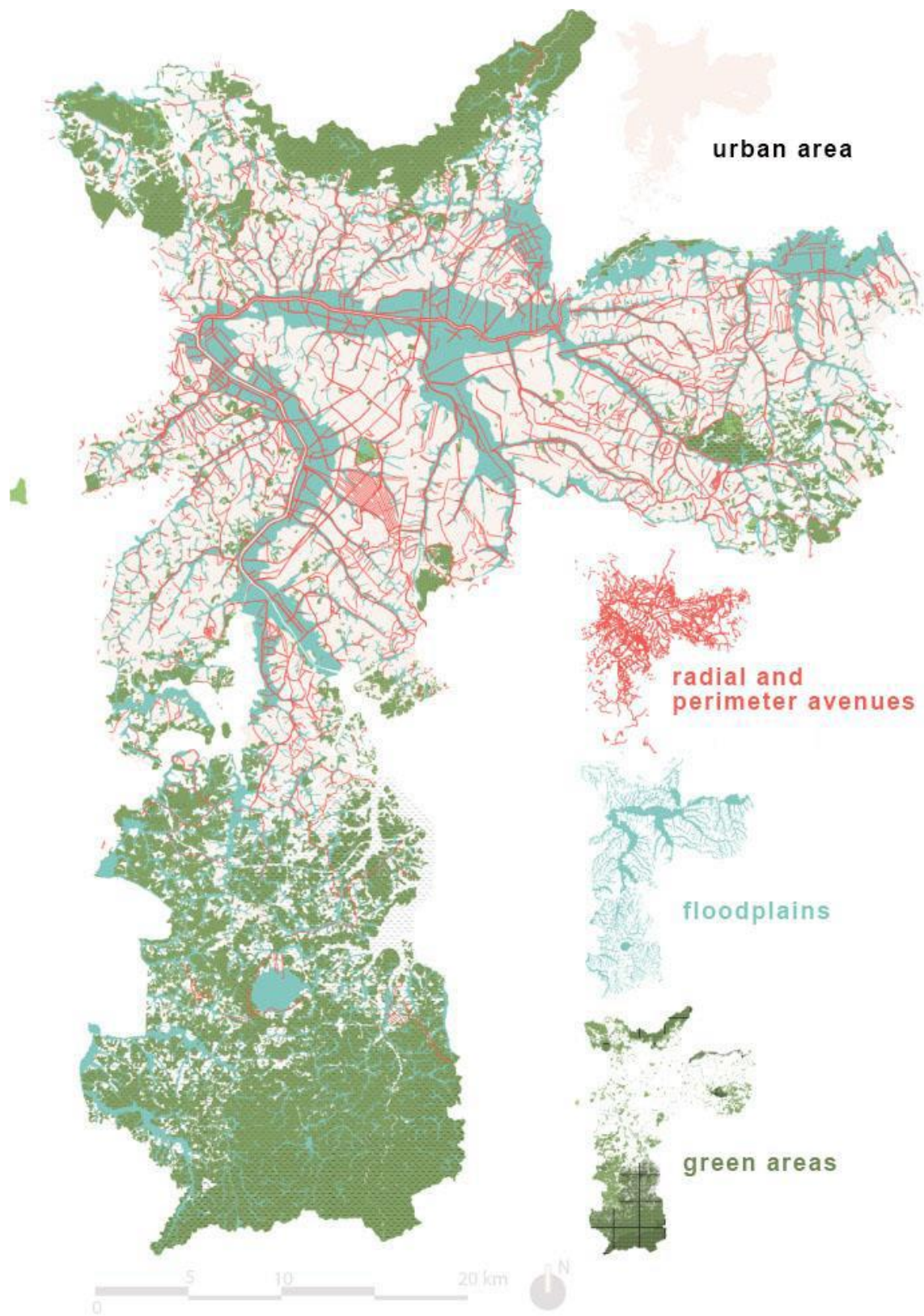


Figure 5: Map of avenues, floodplains and green areas in the municipality of São Paulo. Source: adapted from Marques, 2017.

3.3 Climate projections and risk scenarios

The climate in the municipality of São Paulo is characterised by a warm and humid summer and a cold and dry winter (Nobre, 2011). As indicated by SVMA (2021), the climate of the municipality was strongly influenced by the presence of the native Atlantic Forest and its water network at the beginning of the 19th century, displaying mild temperatures and drizzle, which for many years characterised São Paulo. The urbanisation, deforestation and frequent sealing of the soil, however, have increasingly contributed to shifts in the local climate and the aggravation of weather and climate events.

The extensive urbanisation of São Paulo, where vegetation was often replaced by grey infrastructure, has resulted in an increase of the surface temperature, contributing to the formation and intensification of heat islands (SVMA, 2021). For instance, temperature data of the municipality show that there has been an increase in average temperatures in the period between 1933 and 2020 (see Figure 6). Additionally, pattern changes in the region’s climate have been noticed in the last decades (SVMA, 2021) and a significant increase in heavy rainfall has been observed (see Figure 7). According to Marengo et al. (2020), the number of rainfall events above 100 mm/day in the last 20 years has exceeded the accumulated records of the previous six decades in São Paulo.

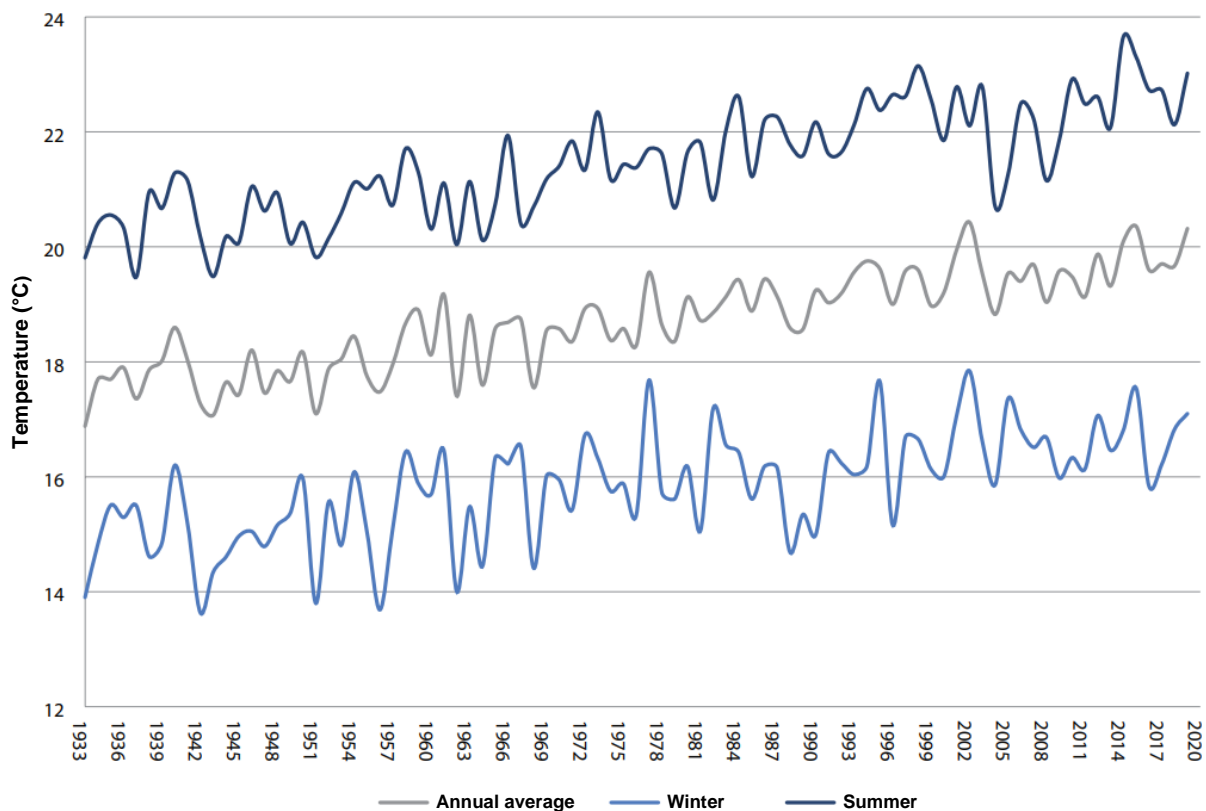


Figure 6: Annual average temperatures in the city of São Paulo between 1933 and 2019 (meteorological station of IAG-USP). Source: adapted from SVMA, 2021.

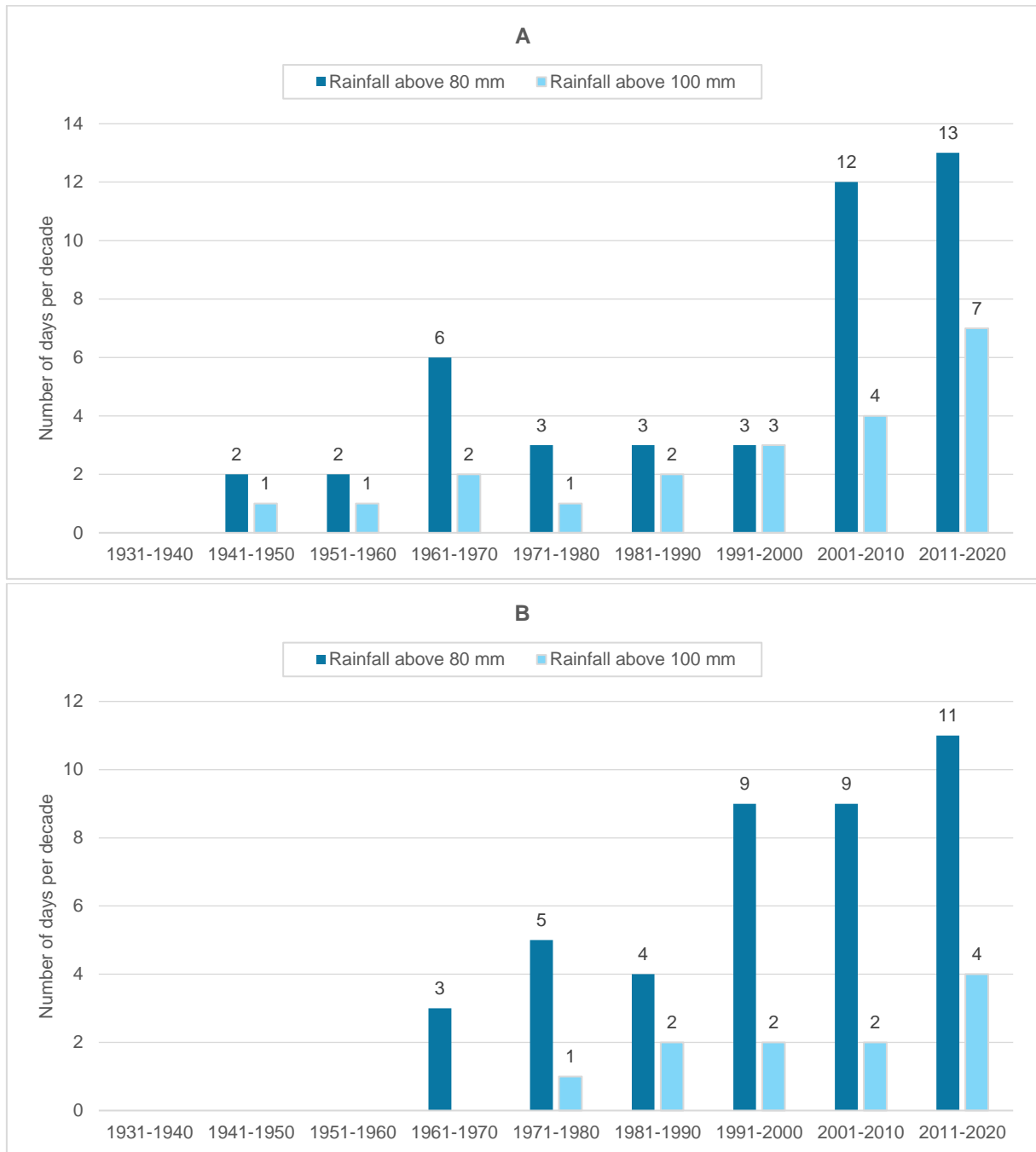


Figure 7: Number of days with rainfall above 80 mm and 100 mm at (A) IAG-USP and (B) *Mirante de Santana* stations. Source: elaborated by the author based on Marengo et al. (2020) and SVMA (2021).

Currently, some of the main concerns regarding urban areas are related to climate variability at present and possible future changes, especially concerning an increase in frequency and intensity of extreme weather events (SVMA, 2021). For the Southeast region of South America, where São Paulo is located, global and regional models have indicated for the coming decades an increase on air temperature, precipitation, consecutive dry days, hot days and nights, heat waves and greater irregularity in the distribution of rainfall throughout the year, as well as a decrease in the humidity of the air and the number of cold days and nights (see Table 3).

Table 3: Projections for the Southeast region of South America until 2100. Source: adapted from Morais, 2019.

Climatic event	Trend	Reliability	Source
Air temperature	Increase	-	Giorgi and Diffenbaugh, 2008
	Increase	-	Marengo et al., 2011
	Increase	-	Ambrizzi and Araujo, 2014
	Increase	High	Torres, 2016
Precipitation	Increase	-	Giorgi and Diffenbaugh, 2008
	Increase	-	Marengo et al., 2011
	Increase	-	Ambrizzi and Araujo, 2014
	Increase	Medium	IPCC, 2014b
Irregularity in the distribution of rainfall throughout the year	Increase	Medium	Torres, 2016
Relative humidity of the air	Decrease	Low	Torres, 2016
Consecutive dry days	Increase	Medium	Torres, 2016
Warm nights	Increase	Medium	Sillmann et al., 2013
	Increase	High	IPCC, 2014b
	Increase	Medium	Torres, 2016
Warm days	Increase	Medium	Sillmann et al., 2013
	Increase	High	IPCC, 2014b
	Increase	Medium	Torres, 2016
Cold days	Decrease	Medium	Sillmann et al., 2013
	Decrease	High	IPCC, 2014b
	Decrease	Medium	Torres, 2016
Cold nights	Decrease	Medium	Sillmann et al., 2013
	Decrease	High	IPCC, 2014b
	Decrease	Medium	Torres, 2016
Heat waves	Increase	Medium	IPCC, 2014b
	Increase	High	Torres, 2016

The projected increase in the intensity and frequency of rainfall events as a result of climate change observed in the municipality of São Paulo highlights the importance to analyse current as well as future trends in risk scenarios and vulnerability conditions (Nobre, 2011). For the three principal climate projections indicated for the municipality of São Paulo, the main associated risk scenarios were identified (see Table 4). Among those, the two most frequent and severe risk scenarios in the municipality – floods and landslides – manifest themselves in periods of intense precipitation and cause significant damage to society from both human and economic perspectives (Nobre, 2011). Although floods and landslides impact society as a whole, it is usually the low-income population living in risk areas that is affected the deepest.

Table 4: Main climate projections indicated for the municipality of São Paulo and associated risk scenarios. Source: table elaborated by the author.

Climate projections	Associated risk scenarios
Increase of precipitation and occurrence of extreme rainfall events	Floods
	Landslides
	Spread of waterborne diseases
Increase of temperature and irregularity in the distribution of rainfall throughout the year	Droughts
	Disruption of the water supply
Heat waves	Mortality associated with temperature extremes

3.4 Vulnerability aspects in the local context

As a consequence of being part of the largest and most populous metropolitan region in Brazil and having experienced such an accelerated urbanisation process, a large portion of São Paulo’s population is subjected to vulnerable conditions, poor infrastructure and difficult access to basic services. In addition to that, the possibility of an increase in frequency and intensity of extreme climate events predicts concerning risk scenarios (Nobre et al., 2010).

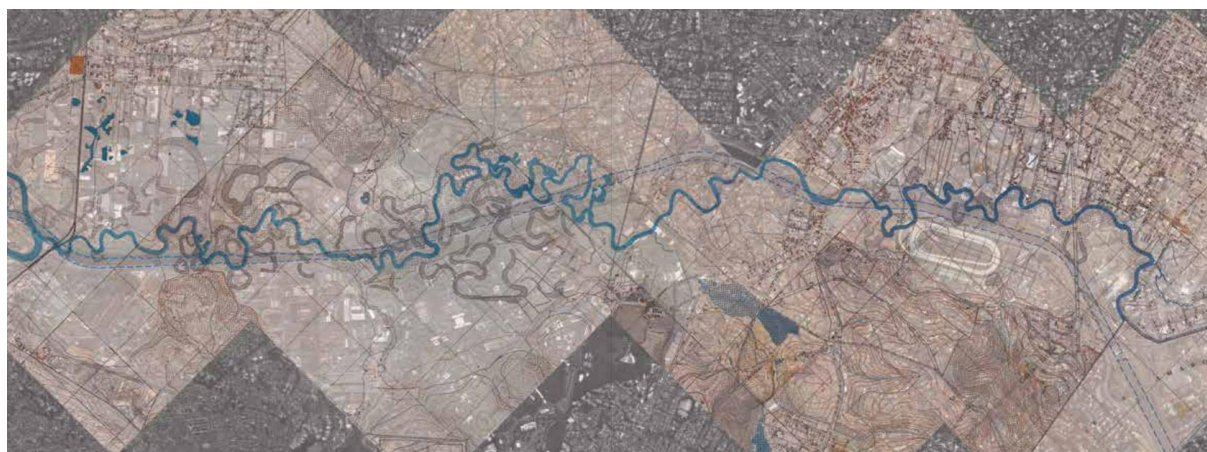


Figure 8: Section of the *Pinheiros* River in the city of São Paulo showing an overlaid image of an aero photographic mapping from 1930 and a satellite image of the same area in 2017. Source: Goldenstein, 2017.

In Brazil, due to climatic conditions and land use patterns, the most recurring natural hazards are related to alterations in the natural hydrological cycle, which are especially noticeable in urban areas (Almeida, 2010). In São Paulo, for instance, the *Pinheiros* River, which previously meandered the city, was over time rectified and had the direction of its course reversed (see Figure 8). As a consequence of such urbanisation pattern, which sealed the urban soil, narrowed the riverbeds and canalised the watercourses, “natural” hazards such as floods and landslides are enhanced and aggravated. These are some of the major reasons for the observance of disasters caused by floods and landslides reoccurring every year in the municipality of São Paulo, causing enormous economic losses and numerous fatalities.

From the perspective of Rolnik and Klink (2011), due to an urban development that prioritised economic interests, the natural geography of the cities turned into an obstacle to be overcome in a design that seeks to minimise territorial losses in favour of the land market. As a consequence, in Brazil, as in several other developing countries, urban rivers and riverbanks ceased to be seen as attractive environments and became synonymous with degraded and devalued spaces, thus becoming the alternative of access to urban land for a growing contingent of urban poor (Almeida, 2010). With the projected increase of extreme weather events in the municipality of São Paulo, Nobre et al. (2010) predicts a high probability of accidents related to floods and landslides occurring due to a combination of risk areas, high concentration of people in those areas and the vulnerability of the existing occupation due to the irregularity and precariousness of the dwellings (see Figure 9).



Figure 9: Precarious settlement classified as landslide risk area. Photo: IPT, 2010. Source: Nobre et al., 2010.

The significant concentration of poverty in the metropolis of São Paulo is characterised by the duality between the “formal city”, which is the focus of public and private investments, and the “informal city”, which is demoted from equivalent benefits and grows rapidly in urban illegality, exacerbating social and environmental disparities within the territory (Grostein, 2001). These contexts of socio-spatial inequalities can be seen as consequences of the intersection of degraded environments, improvised occupations and unfavourable socio-economic conditions, which establish as a result territories of risk (Almeida, 2010), where environmental risks, exposure to hazards and social vulnerability overlap (see Figure 10).



Figure 10: Superimposition of environmental and social vulnerabilities in *Americanópolis*, located in the southern zone of the municipality of São Paulo. Photo by TV Globo. Source: Mancuso, 2017.

Another aspect of vulnerability is that extreme weather events in Brazil significantly affect the health of communities, either by causing casualties due to accidents or triggering outbreaks of climate-sensitive infectious diseases (FIOCRUZ, 2007). The occurrence of heavy rainfall and floods specifically, increases the likelihood of contracting infectious waterborne diseases, notably intestinal parasitosis, viral hepatitis, leptospirosis and enteroviruses, while creating the conditions for the breeding of mosquitoes that transmit diseases such as dengue, yellow fever and malaria (Nobre et al., 2010). This situation is even more severe in areas with inadequate sanitation conditions and an absence of garbage collection services because the probability of contact with contaminated water is very high.

Lastly, when analysing social vulnerability in Brazil, it is necessary to take an intersectional approach of class, gender and race. Firstly, because gender and race discrimination are issues which concern the majority of the population (see Figure 11). And, secondly, because in any social indicator considered (education, employment, access to basic infrastructure etc.), there is a systematic disadvantage for women in relation to men, and for *pardo*¹ and black individuals of both sexes in relation to white individuals (Abramo, 2004). The greater levels of economic and social vulnerability among black, *pardo* and indigenous populations in Brazil can be explained by factors such as occupational segregation, fewer educational opportunities and lower incomes in similar occupations (IBGE, 2019).

¹ *Pardo* is the term used in Brazil to describe individuals with multiracial background (IBGE, 2010b).

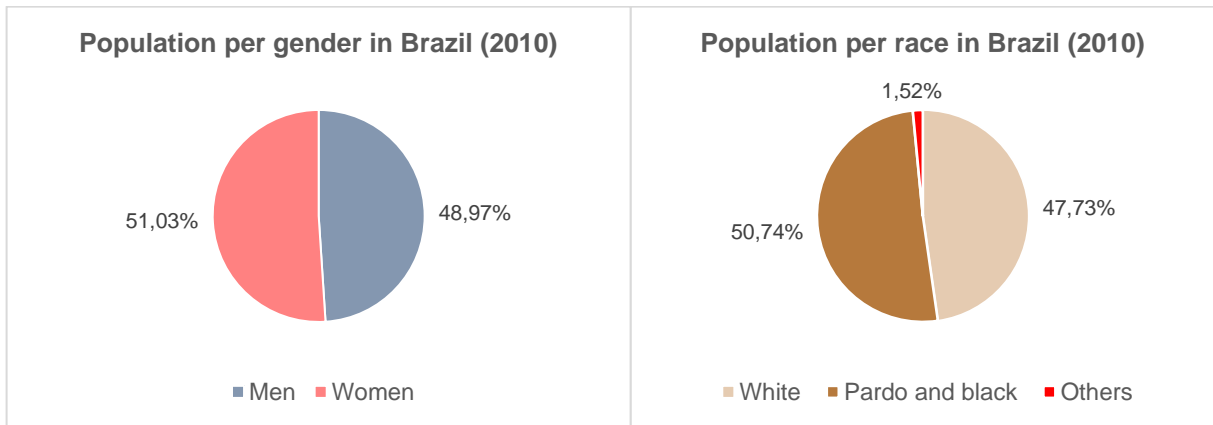


Figure 11: Population per gender and race in Brazil. Source: elaborated by the author based on data from IBGE (2010a) and IBGE (2019).

With regard to living standards, inequalities by race are also revealed by differences in housing conditions, concerning both the spatial distribution of households as well as the access to basic services and infrastructure. For instance, disparities in the access to adequate water supply and sanitation can be identified for the black (and *pardo*) population when compared to the white population (see Figure 12). In addition to that, it has been observed that excessive household crowding – situations in which there are more than three residents per room used as dormitory – occurred among the black and *pardo* population with a frequency two times higher than the white population, being especially common among households consisting of women without a spouse (IBGE, 2019).

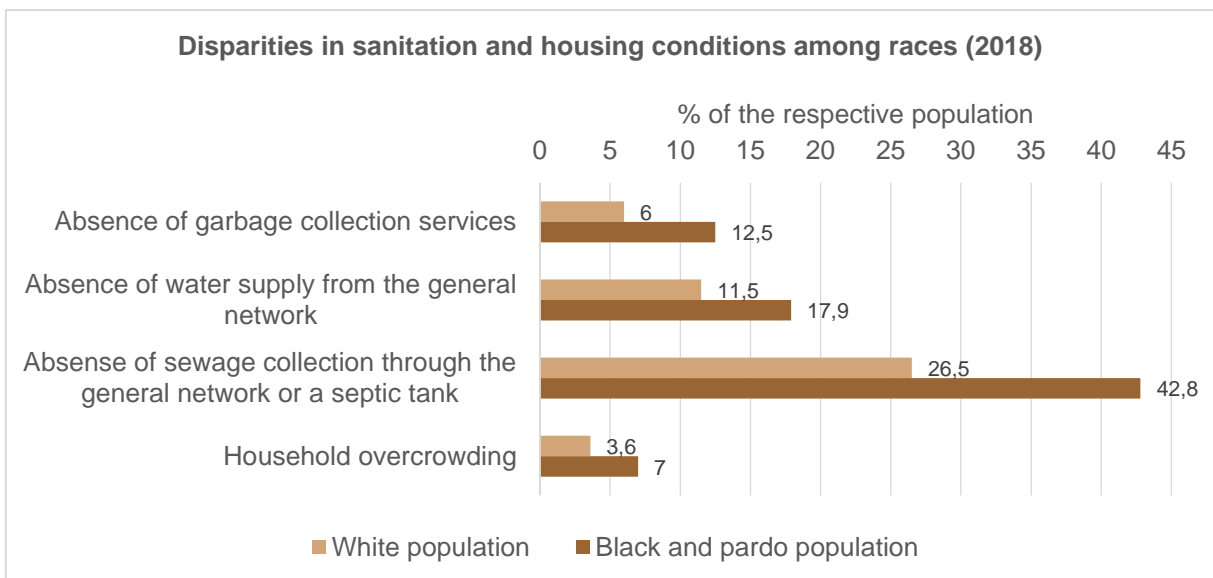


Figure 12: Disparities in living conditions among races in Brazil. Source: elaborated by the author based on data from IBGE (2019).

4 Methodology

This chapter presents and describes the processes of data collection and analysis as well as the methods used for the assessment and mapping of vulnerability in the municipality of São Paulo. The assessment was performed through the construction of a vulnerability index, and the choice of the most adequate set of variables depended on the socio-economic attributes of the local context and the availability of data. The values calculated for the index were georeferenced and associated with the chosen unit of analysis. Finally, as one of the greatest challenges regarding climate change identified in the municipality of São Paulo are the impacts resulting from flood events, the risk posed by flooding was mapped by multiplying the identified social vulnerability to the levels of exposure of the population to the climatic event.

4.1 Unit of analysis

Most studies regarding vulnerability to climate change in Brazil utilise a national or regional level of analysis, assessing the vulnerability levels per municipality. In contrast, the studies that focus on the local or intra-urban scales utilise mostly the census tract as the unit of analysis. In Brazil, a census tract is defined by IBGE (2010b) as the territorial unit for the collection of census data, with identified physical limits and continuous area. Some of the data collected by the census is, however, not published per tract because of restrictions due to data protection.

In some cases, the smallest territorial unit for which data is published is the so-called dissemination area, formed by a grouping of contiguous census tracts with the objective of statistical calibration (IBGE, 2010b). Yet, IPEA (2015) argues that the delimitation of the IBGE's dissemination areas meets the technical requirements related to the collection and sampling processes but misses to consider the socioeconomic diversity and portray inequalities that occur within intra-metropolitan spaces (as seen in Figure 13). For that reason, human development units (UDHs) were suggested by IPEA (2015) as divisions that generate more homogenous areas from a socioeconomic point of view and better describe the diversity of situations related to human development that occurs within the metropolitan regions.

As the aim of this research is to analyse vulnerability within the municipality of São Paulo, an intra-municipal level of analysis should be adopted. Thus, with the objective of characterising areas that present a more homogeneous territory and socioeconomic attributes, the human development unit (UDH) was chosen as the unit of analysis of this research. It gathers data of groups of census tracts mapped in the 2010 Census in Brazil. As stated by Oliveira et al. (2020), these units capture the diversity of social contexts and characteristics that occur within the territory of the municipality, better portraying the inequalities found in reality. In the study area of this research – the municipality of São Paulo – there are a total of 1593 human development units (see Appendix A).



Figure 13: Illustration of inequalities within small areas of the municipality of São Paulo: *Paraisópolis* vs. *Morumbi*. Photo: Tuca Vieira, 2004. Source: The Guardian, 2017.

4.2 Data collection

All the data used in this research were obtained digitally via the online platforms of the responsible agencies. The data used for constructing the social vulnerability index in the research were mainly acquired from the 2010 Census in Brazil – carried out by the Brazilian Institute of Geography and Statistics (IBGE) – and the Human Development Atlas developed by the Brazilian Institute of Applied Economic Research (IPEA) with data from 2010. The utilisation of data from 2010 is due to the non-realisation of the 2020 Census, which was postponed due to the COVID-19 pandemic and is taking place at present.

The spatial analysis and maps of the municipality of São Paulo, elaborated in the software *ArcGIS Pro* by the author, were produced with data provided by the Municipality of São Paulo through the digital platform *Geosampa* (tool that gathers detailed and georeferenced public information about the municipality of São Paulo). Additionally, the data used for the assessment of exposure to floods was obtained through a database made available by an initiative of several research institutions which assesses the vulnerability of Brazilian cities to climate change. All the collected data, their format and sources were summarised by the author and can be viewed in Table 5.

Table 5: Summary of data collected and utilised in the research along with their respective format, source and online availability. Source: table elaborated by the author.

Data	Format	Source	Available at
Administrative boundaries of the municipality of São Paulo	shapefile	SMDU, 2013	http://geosampa.prefeitura.sp.gov.br
Water bodies in the municipality of São Paulo	shapefile	SMUL, 2021	http://geosampa.prefeitura.sp.gov.br
Delimitation of the census tracts in the municipality of São Paulo	shapefile	IBGE, 2010	http://geosampa.prefeitura.sp.gov.br
Delimitation of the UDHS in the municipality of São Paulo	shapefile	IPEA, 2010	http://ivs.ipea.gov.br
Data per census tract of the 2010 Census in Brazil	xls / csv	IBGE, 2010	http://geosampa.prefeitura.sp.gov.br
Human development data per UDH in São Paulo	xls / csv	IPEA, 2010	http://geosampa.prefeitura.sp.gov.br http://ivs.ipea.gov.br
HAND model for assessment of flood exposure in the municipality of São Paulo	tiff	INPE & IPT, 2010	http://megacidades.ccst.inpe.br
Flood occurrences in the municipality of São Paulo in the years 2018, 2019, 2020 and 2021	shapefile	SIGRC, 2022	http://geosampa.prefeitura.sp.gov.br

4.3 Data analysis

The data obtained from the 2010 Census and Human Development Atlas was initially organised and analysed in *Microsoft Excel* and subsequently processed using the statistical analysis software *IBM SPSS statistics 28.0*. Furthermore, the spatial data was analysed and processed using the geoprocessing software *ArcGIS Pro* with the association of databases and overlays of georeferenced information, which enabled the spatialisation of the calculated vulnerability index and the identification of areas where there is a coincidence between exposure and social vulnerability.

4.4 Construction of a vulnerability index

The vulnerability index constructed in this research is based on the Social Vulnerability Index (SoVI) developed by Cutter et al. (2003). However, the mentioned index was elaborated in the context of the United States and a direct use of the methodology without adaptations for the context of Brazil did not seem appropriate. The main concepts of the index of reference were taken into consideration for the selection of variables among the data available in Brazil and the particularities of the local context. Although there is some debate on its utilisation, an index is yet a useful tool when attempting to quantify an abstract concept such as vulnerability, allowing an approximate representation of the socioeconomic conditions of the population.

It is important to tailor vulnerability indexes according to the local context, taking into consideration the different scenarios and levels of development of the analysed location (Loyola Hummell et al., 2016). Therefore, the SoVI was utilised in this research as a basis for the selection of variables that could have an effect on social vulnerability. The main driver concepts identified by Cutter et al. (2003) – for instance, socioeconomic status, gender, race and ethnicity, age, infrastructure, education and family structure – were essential for the choice of variables adopted by this research.

Another important factor when selecting the variables for the construction of the index was the availability of data, especially for smaller territorial units as the UDHS (human development units), which were the chosen unit of analysis for this research. Indicators of health coverage and social security, for example, were not published in the 2010 Census and the available data from other sources was collected only at a district level and not disaggregated into smaller units. After taking all these aspects into consideration, a set of variables was selected for the construction of a vulnerability index in the context of São Paulo (see Table 6).

Table 6: Name and description of variables selected for the construction of an index for the assessment of social vulnerability in the municipality of São Paulo. Source: table elaborated by the author based on data from IPEA (2010) and IBGE (2010).

	Variable	Description
SOCIOECONOMIC STATUS	Population vulnerable to poverty	Percentage of the population living in households earning up to half a minimum salary per capita per month (R\$ 255,00 Brazilian <i>Reais</i> as of August 2010).
	Population living in extreme poverty	Percentage of the population living in households earning up to R\$ 70,00 per capita per month, in Brazilian <i>Reais</i> , as of August 2010.
	Occupation status of the household	Number of permanent private households in another condition of occupation (not owned, rented or leased).
	Population living in households with more than 2 residents per dormitory	Ratio between the population living in permanent private households with a density greater than 2 people per dormitory and the total population living in permanent private households, multiplied by 100. The density of the dwelling is given by the ratio between the total number of residents in the household and the total number of rooms used as dormitories.
	Per capita income	Ratio between the sum of the income of all individuals residing in permanent private households and the total number of these individuals. Values in Brazilian <i>Reais</i> (from 2010).
GENDER	Female population	Ratio between the female population and the total population, multiplied by 100.
AGE	Dependency ratio	Ratio between the number of people aged 14 years or less and 65 years or older (dependent population) and the number of people aged 15 to 64 years (potentially active population), multiplied by 100.
	Population aged 65 years or more	Number of individuals aged 65 years or more.

INFRASTRUCTURE	Inadequate water supply and sanitation	Ratio between the number of people living in houses where the water supply does not come from the general network and where sewage is not collected through a sewerage network or septic tank, and the total population living in permanent private households, multiplied by 100.
	Households without a bathroom or toilet	Number of households without a bathroom for exclusive use by the residents and without a toilet.
	Absence of garbage collection service	Ratio between the population living in urban households without garbage collection service and the total population living in permanent private households, multiplied by 100.
	Population living in households with low quality external walls	Ratio between the people living in houses with walls that are not made of masonry or wood and the total population living in private permanent households, multiplied by 100.
EMPLOYMENT	Unemployment rate of the population aged 18 years or more	Percentage of the economically active population in this age group that was unoccupied, i.e., that was not employed in the week prior to the census date but had looked for work during the month prior to the date of the survey.
	Formality rate of the employed - population aged 18 years or more	Ratio between the people aged 18 years or more formally employed and the total number of employed people in this age group, multiplied by 100. Formally employed workers were considered to be those with a signed employment contract, military personnel in the army, navy, air force, military police or fire brigade, those employed under the civil service regime, as well as employers and self-employed workers who were contributors to an official social security institute.
FAMILY STRUCTURE	Women who are heads of the household	Number of women who are heads of the households.
	Women who are heads of the household, without primary education and with a child under 15 years of age	Ratio between the number of women who are heads of the household, who have not completed primary education and have at least one child under the age of 15 living in the household, and the total number of women who are heads of household (multiplied by 100).
	Women aged 10 to 17 years who have had children	Ratio between the number of women aged 10 to 17 years who have had children, and the total number of women in this age group, multiplied by 100.
	Households without males	Number of households without male residents.
	Households with 5 or more residents	Number of households containing 5 or more residents.
EDUCATION	Illiteracy rate of the population aged 15 years or more	Ratio between the population aged 15 years or older who cannot read or write a simple note, and the total number of people in this age group (multiplied by 100).
	Population aged 18 years or more with complete secondary education	Ratio between the population of 18 years of age or older that concluded secondary education and the total number of people in this age group, multiplied by 100.
HEALTH	Infant mortality	Number of children not expected to survive the first year of life, for every 1000 children born alive.
	Life expectancy at birth	Average number of years that people are expected to live from birth, if the level and pattern of mortality by age prevailing in the Census year remain constant.
RACE	Black population	Number of individuals that declared themselves as black.
	<i>Pardo</i> ² population	Number of individuals that declared themselves as <i>pardo</i> .
	Indigenous population	Number of individuals that declared themselves as indigenous.

² *Pardo* is the term used in Brazil to describe individuals with multiracial background (IBGE, 2010b).

Of the total of 26 chosen variables, 22 have a direct relation with social vulnerability, i.e., the higher the value of the indicator, the more vulnerable the population residing in the analysed area tends to be. The other 4 indicators have an inverse relationship, which means the higher the value of the indicator, the less vulnerable is the population living in a given area. The relation to vulnerability that each variable presents, as well as the abbreviation used for their identification in further analyses and the source of data are described in Table 7.

Table 7: Chosen variables and respective relation to vulnerability, abbreviation and data source.
Source: table elaborated by the author.

Abbreviation	Variable	Relation to vulnerability	Source
VULN_POV	Population vulnerable to poverty	direct	IPEA, 2010
EXTR_POV	Population living in extreme poverty	direct	IPEA, 2010
OCC_STA	Occupation status of the household	direct	IBGE, 2010
DENS_DORM	Population living in households with more than 2 residents per dormitory	direct	IPEA, 2010
PC_INC	Per capita income	inverse	IPEA, 2010
FEM_POP	Female population	direct	IPEA, 2010
DEP_RATIO	Dependency ratio	direct	IPEA, 2010
ELD_POP	Population aged 65 years or more	direct	IPEA, 2010
WAT_SAN	Inadequate water supply and sanitation	direct	IPEA, 2010
WIT_BATH	Households without a bathroom or toilet	direct	IBGE, 2010
GARB_COL	Absence of garbage collection service	direct	IPEA, 2010
EXT_WALL	Population living in households with low quality external walls	direct	IPEA, 2010
UNEMP_RATE	Unemployment rate of the population aged 18 years or more	direct	IPEA, 2010
FORM_RATE	Formality rate of the employed - population aged 18 years or more	inverse	IPEA, 2010
FEM_HEAD	Women who are heads of the household	direct	IBGE, 2010
FEM_HOUS	Women heads of the household, without primary education and with a child under 15 years of age	direct	IPEA, 2010
WOM_CHILD	Women aged 10 to 17 years who have had children	direct	IPEA, 2010
WIT_MEN	Households without males	direct	IBGE, 2010
RES_HOUS	Households with 5 or more residents	direct	IBGE, 2010
ILL_RATE	Illiteracy rate of the population aged 15 years or more	direct	IPEA, 2010
SECO_EDU	Population aged 18 years or more with complete secondary education	inverse	IPEA, 2010
INF_MORT	Infant mortality	direct	IPEA, 2010
LIFE_EXP	Life expectancy at birth	inverse	IPEA, 2010
BLA_POP	Black population	direct	IBGE, 2010
PAR_POP	<i>Pardo</i> population	direct	IBGE, 2010
IND_POP	Indigenous population	direct	IBGE, 2010

All the data obtained from IPEA was already published for each UDH in the municipality of São Paulo. However, the data obtained from IBGE was disaggregated into census tracts and had to be processed and grouped for each UDH using spatial analyses in the software *ArcGIS Pro*, which could generate some uncertainty on those variables. The values per UDH of all the variables utilised in this research were compiled and are presented in Appendix D.

After the selection of variables that could have a significant role in determining social vulnerability, a standardisation procedure was carried out to ensure that the variables are comparable. The selected method was refitting the range of values of each variable to relative positions across a scale from 0 to 1. In that way, the highest value of the range equals to 1 and the lowest value, to 0. For the variables that display an inverse relationship with vulnerability, a transformation is applied so that the highest values always represent a higher vulnerability.

For the elaboration of the index, a *factor analysis*³ was utilised. This statistical method is useful when looking for an explanation for the correlation between the observable variables. It is a method used for the reduction of a large number of variables in a smaller set of hypothetical variables (factors or components) that summarise the essential information contained in the initial variables (Almeida, 2010). A factor or component represents a set of variables that are highly correlated among themselves and weakly correlated to the remaining variables.

Cutter et al. (2003) expresses that the factor analysis cannot be performed with missing values, so, as recommended, a value of zero was assigned to these cases. As recognised by the reference, this procedure might underestimate the true vulnerability for the affected territorial unit, yet it is considered by the author as a better procedure than excluding the affected units from the assessment. In the case of this research, very few cases of missing values were identified in the data per UDH collected from IPEA. As for the data collected from IBGE, which was disaggregated into census tracts, the missing values might indicate tracts without population or where data was omitted for protection due to a very low number of households.

As adopted by Almeida (2010), Deschamps (2004), Nguyen (2015), Cutter et al. (2003), Barbosa et al. (2019) and Loyola Hummell et al. (2016), a factor analysis using principal component analysis⁴ (PCA) was conducted, utilising Kaiser normalisation and Varimax rotation to provide the most robust set of independent factors. The software used for statistical processing and analysis was *IBM SPSS statistics 28.0*.

³ Factor analysis attempts to identify underlying factors that explain the pattern of correlations within a set of observed variables. It is often used to identify a small number of factors that explain most of the variance that is observed in a much larger number of variables (SPSS Statistics, 2021a).

⁴ Principal component analysis (PCA) is a factor extraction method used to form uncorrelated linear combinations of the observed variables (SPSS Statistics, 2021a).

4.5 Factor analysis

A principal components analysis was carried out for the initial set of variables selected by the author. After the analysis, the 26 initial variables were reduced to three factors (components), composed of a total of 20 variables, that explain about 78% of the total variance in the data. The procedure adopted by the author for the application of the factor analysis is described below.

4.5.1 Validation of the model

The selected variables must be correlated in order to apply the factor analysis. Therefore, the chosen set of variables should be validated using the Kaiser-Meyer-Olkin method and Bartlett's test of sphericity⁵ (Barbosa et al., 2019; Santos, 2010). The analysis of the adequacy of the variables in this research resulted in a KMO (Kaiser-Meyer Olkin) above 0,9 (see Table 8), which indicates a very good appropriacy of the analysis for the selected data (see Table 9). Additionally, the Bartlett's test of sphericity resulted in a significance lower than 0,05 (see Table 8), which confirms the hypothesis that the correlation matrix is not an identity matrix, i.e., that there is correlation between the variables (Barbosa et al., 2019).

Table 8: Results for the Kaiser-Meyer-Olkin (KMO) method and Bartlett's test of sphericity. Source: table elaborated by the author based on data resulted from this research.

KMO and Bartlett's Test		
Kaiser-Meyer-Olkin Measure of Sampling Adequacy		0,904
Bartlett's Test of Sphericity	Approx. Chi-Square	53025,224
	df	190
	Sig.	0,000

Table 9: Appropriacy of a factor analysis on a given data set according to the Kaiser-Meyer-Olkin (KMO) test. Source: adapted from Santos (2010).

KMO	Factor analysis
1,0 - 0,9	Very good
0,8 - 0,9	Good
0,7 - 0,8	Medium
0,6 - 0,7	Acceptable
0,5 - 0,6	Weak
<0,5	Inappropriate

⁵ "The Kaiser-Meyer-Olkin measure of sampling adequacy tests whether the partial correlations among variables are small. Bartlett's test of sphericity tests whether the correlation matrix is an identity matrix, which would indicate that the factor model is inappropriate" (SPSS Statistics, 2021a).

Furthermore, the variables should present a sample adequacy measurement⁶ above 0,5 in the anti-image correlation matrix (Barbosa et al., 2019). If any of the variables does not fulfil this requirement, it should be excluded before proceeding with the factor analysis. All selected variables displayed a value above 0,5 (see Appendix C).

4.5.2 Extraction of principal components

Table 10: Evaluation of the communalities of each variable in relation to the extracted factors (variables which presented values below 0,5 were excluded from the analysis). Source: table elaborated by the author based on data resulted from this research.

Variables	Communalities	
	Initial	Extraction
VULN_POV	1,000	0,938
EXTR_POV	1,000	0,688
OCC_STA	1,000	0,320
DENS_DORM	1,000	0,920
PC_INC	1,000	0,618
FEM_POP	1,000	0,367
DEP_RATIO	1,000	0,461
ELD_POP	1,000	0,567
WAT_SAN	1,000	0,543
WIT_BATH	1,000	0,471
GARB_COL	1,000	0,684
EXT_WALL	1,000	0,790
UNEMP_RATE	1,000	0,756
FORM_RATE	1,000	0,522
FEM_HEAD	1,000	0,886
FEM_HAUS	1,000	0,849
WOM_CHILD	1,000	0,347
WIT_MEN	1,000	0,709
RES_HOUS	1,000	0,920
ILL_RATE	1,000	0,639
SECO_EDU	1,000	0,921
INF_MORT	1,000	0,881
LIFE_EXP	1,000	0,913
BLA_POP	1,000	0,874
PAR_POP	1,000	0,897
IND_POP	1,000	0,230
Extraction method: Principal Component Analysis.		

⁶ “The sample adequacy measurement for a variable is displayed on the diagonal of the anti-image correlation matrix. In a good factor model, most of the off-diagonal elements will be small” (SPSS Statistics, 2021a).

For the extraction of principal components, it is firstly important to analyse the communalities, which represent the proportion of each variable's variance that can be explained by the retained factors (UCLA: Statistical Consulting Group, 2021). Variables that display high values of communalities are well represented by the extracted factors. Therefore, values lower than 0,5 mean a weak relation to the extracted factors and, thus, the respective variables should be excluded before proceeding with the analysis. Among the 26 variables analysed, six displayed values below 0,5 (see Table 10) and were excluded: occupation status of the household (1); female population (2); dependency ratio (3); households without a bathroom or toilet (4); women aged 10 to 17 years who have had children (5); and indigenous population (6).

The next step consists of the determination of the number of components to be extracted. For a number of variables above 30, the Kaiser criterion was used: selection of the factors whose explained variance is greater than 1, i.e., a characteristic value (Eigenvalue) superior to 1 (Santos, 2010). The results pointed 3 components which fulfil this requirement (see Table 11). Together, they are responsible for the explanation of more than 78% of the total variance.

Table 11: Definition of the number of components to be extracted based on Eigenvalues above 1.
Source: table elaborated by the author based on data resulted from this research.

Component	Initial Eigenvalues		
	Total	% of Variance	Cumulative %
1	10,152	50,761	50,761
2	3,997	19,984	70,745
3	1,630	8,150	78,895
4	0,769	3,847	82,742
5	0,737	3,684	86,425
6	0,511	2,554	88,979
7	0,406	2,032	91,011
8	0,394	1,972	92,983
9	0,331	1,656	94,639
10	0,273	1,365	96,004
11	0,250	1,248	97,252
12	0,189	0,947	98,199
13	0,131	0,655	98,854
14	0,070	0,349	99,203
15	0,062	0,310	99,513
16	0,031	0,157	99,670
17	0,030	0,148	99,818
18	0,026	0,128	99,946
19	0,009	0,045	99,991
20	0,002	0,009	100,000

Extraction method: Principal Component Analysis.

4.5.3 Rotation of factors

Usually, the first solution provided by the factor analysis does not present results which allow for an adequate interpretation, so equivalent solutions can be obtained through methods of rotation of the factors (Almeida, 2010). The rotation can be used to improve the interpretation of the factors, i.e., to explain each factor with the smallest number of variables. In this research, the rotation method which allowed the best interpretation of the factors was the Varimax⁷ rotation. After rotation, the interpretation of the factors is done through the obtained matrix of “loadings” (rotated component matrix) by identifying loadings that equal or surpass the value of (+/-) 0,5 (Santos, 2010). In each line of the matrix, the loadings which contribute the most to the respective factors were highlighted and used to distinguish the theoretical concepts represented by each one of the factors (see Table 12).

Table 12: Rotated component matrix. Source: table elaborated by the author based on data resulted from this research.

Variables	Components (factors)		
	1	2	3
VULN_POV	0,838	0,008	0,493
EXTR_POV	0,635	-0,021	0,534
DENS_DORM	0,886	0,012	0,376
PC_INC	0,796	-0,006	-0,049
ELD_POP	-0,724	0,076	-0,074
WAT_SAN	0,307	-0,030	0,700
GARB_COL	0,190	-0,057	0,823
EXT_WALL	0,252	-0,103	0,858
UNEMP_RATE	0,692	0,008	0,537
FORM_RATE	0,517	-0,019	0,489
FEM_HEAD	-0,299	0,917	0,017
FEM_HAUS	0,837	-0,004	0,396
WIT_MEN	-0,487	0,706	0,090
RES_HOUS	0,133	0,955	-0,065
ILL_RATE	0,752	-0,001	0,263
SECO_EDU	0,911	0,019	0,317
INF_MORT	0,878	0,016	0,346
LIFE_EXP	0,906	0,025	0,321
BLA_POP	0,130	0,938	-0,111
PAR_POP	0,217	0,923	-0,090
Extraction method: Principal Component Analysis. Rotation method: Varimax with Kaiser normalisation.			

⁷ Varimax is an orthogonal rotation method that minimises the number of variables that have high loadings on each factor, simplifying the interpretation of the factors (SPSS Statistics, 2021a).

The first component has the highest influence on social vulnerability – accounts for about 40% of the total variance (see Table 13) – and is predominantly explained by 12 variables, which compile information on education, health and socioeconomic status of the population (see Table 14). Component two has the second highest influence (about 20%) and is explained mainly by 5 variables, which illustrate the connections between family structure, gender and race. Finally, component three explains about 18% of the total variance and is described largely by 3 variables that portray housing and infrastructure conditions of the households.

Table 13: Total variance explained by the three extracted components (factors). Source: table elaborated by the author based on data resulted from this research.

Total variance explained			
Component	Rotation sums of squared loadings		
	Total	% of Variance	Cumulative %
1	8,082	40,410	40,410
2	4,005	20,025	60,435
3	3,692	18,460	78,895

Table 14: Variables (and respective loadings) that best explain each of the components extracted by the factor analysis. Source: table elaborated by the author based on data resulted from this research.

Components	Variables	Loading
Component 1: Education, health and socioeconomic status	Population aged 18 years or more with complete secondary education	0,911
	Life expectancy at birth	0,906
	Population living in households with more than 2 residents per dormitory	0,886
	Infant mortality	0,878
	Population vulnerable to poverty	0,838
	Women heads of the household, without primary education and with a child under 15 years of age	0,837
	Per capita income	0,796
	Illiteracy rate of the population aged 15 years or more	0,752
	Population aged 65 years or more	-0,724
	Unemployment rate of the population aged 18 years or more	0,692
	Population living in extreme poverty	0,635
	Formality rate of the employed - population aged 18 years or more	0,517
Component 2: Family structure, gender and race	Households with 5 or more residents	0,955
	Black population	0,938
	<i>Pardo</i> population	0,923
	Women who are heads of the household	0,917
	Households without male residents	0,706
Component 3: Housing and infrastructure	Population living in households with low quality external walls	0,858
	Absence of garbage collection service	0,823
	Inadequate water supply and sanitation	0,700

4.5.4 Evaluation of consistency

The construction of indexes presupposes the verification of their internal consistency, which can be confirmed by Cronbach's alpha⁸ (Santos, 2010). Component 1 – education, health and socioeconomic status – and component 2 – family structure, gender and race – presented a Cronbach's alpha above 0,9 (see Table 16 and Table 17), which indicates a very good internal consistency (see Table 15). For component 3 – housing and infrastructure – the Cronbach's alpha displayed a value of approximately 0,84 (see Table 18), which suggests a good internal consistency (see Table 15).

Table 15: Verification of the internal consistency of the factors through Cronbach's alpha. Source: adapted from Santos (2010).

Cronbach's alpha	Internal consistency
>0,9	Very good
0,8 - 0,9	Good
0,7 - 0,8	Acceptable
0,6 - 0,7	Weak
<0,6	Unacceptable

Table 16: Reliability statistics for component 1 - education, health and socioeconomic status. Source: table elaborated by the author based on data resulted from this research.

Reliability statistics - component 1		
Cronbach's alpha	Cronbach's alpha based on standardised items	Number of items (variables)
0,935	0,929	12

Table 17: Reliability statistics for component 2 - family structure, gender and race. Source: table elaborated by the author based on data resulted from this research.

Reliability statistics - component 2		
Cronbach's alpha	Cronbach's alpha based on standardised items	Number of items (variables)
0,932	0,935	5

Table 18: Reliability statistics for component 3 - housing and infrastructure. Source: table elaborated by the author based on data resulted from this research.

Reliability statistics - component 3		
Cronbach's alpha	Cronbach's alpha based on standardised items	Number of items (variables)
0,837	0,841	3

⁸ Model of reliability analysis that measures internal consistency based on the average inter-item correlation (SPSS Statistics, 2021b).

4.6 GIS-based assessment

Although a component (or factor) is a hypothetical variable, it is feasible to create for each UDH a score for each of the factors so that it can be used in further analysis. The estimation of factor values was achieved via the creation of Z-scores for each unit of analysis (UDH) using the software *IBM SPSS statistics 28.0*. These scores can be used to indicate the relative position of each observation in relation to the concept expressed by the factor (Barbosa et al., 2019). After computing the score of each factor for each unit of analysis, the weighted average of the factors was calculated. As proposed by Gaedke et al. (2020), the social vulnerability index was determined by the weighted average performed by combining the factors with their percentage of the total variance explained (see underlined values in Table 13).

Secondly, with the objective of identifying different levels of vulnerability within the municipality of São Paulo and visualising the spatiality of social vulnerability on the analysed territory, the calculated index values were mapped on the software *ArcGIS Pro*. In order to form homogeneous groups of vulnerability classifications, the statistical method of Natural Breaks⁹ available on the software *ArcGIS Pro* was applied (Almeida, 2010), generating 5 categories ranging from -1,14 (very low vulnerability) to +1,92 (very high vulnerability).

Lastly, the social vulnerability mapping resulted from this research was multiplied by data of exposure to floods (one of the major hazards projected for the municipality) using spatial analysis in *ArcGIS Pro* in order to estimate the risk posed by flooding in the municipality of São Paulo. The generated result provides an understanding of local differences regarding the capacity of the population to respond and recover from natural hazards.

⁹ In this method of classification, “classes are based on natural groupings inherent in the data. Class breaks are created in a way that best groups similar values together and maximises the differences between classes” (ArcGIS Pro, 2022).

5 Results

This chapter presents and discusses the results of the thesis while attempting to compare the vulnerability scenarios mapped through this research with the reality observed in the municipality of São Paulo. Initially, once the factor values for each unit of analysis were estimated, it was possible to produce a map for each of the different factors of the index (see Figure 14, Figure 15 and Figure 16). The values calculated for each factor were distributed into five categories using the natural breaks classification method in order to better visualise the results in comparison with the social vulnerability index which will be posteriorly mapped.

Considering that factor 1 – relative to education, health and socioeconomic status – is the factor which is responsible for explaining more than 40% of the total variance, its values and respective mapping are the ones that most resemble the calculated social vulnerability index. This factor comprises variables that are mostly related to the residents' level of education, employment situation, income and health indicators. The grouping of such diverse variables can be justified by the fact that, as stated by Almeida (2010), the access to education determines socioeconomic aspects, as the higher the education level is, the higher the income and quality of life, and consequently the longer an individual's life expectancy will be.

In the case of factor 2, which explains about 20% of the total variance and encompasses variables related to family structure, gender and race, a clear connection between these three concepts in relation to social vulnerability can be identified. As recognised by IPEA (2011), when compared to households headed by men, situations of greater vulnerability are still perceived in households headed by women, especially *pardo* and black women. For instance, data from the 2010 Census show that the average per capita income of households headed by white men is more than two times higher than those headed by *pardo* and black women. As for the link regarding family structure and race, the number of *pardo* and black women who are heads of single-parent households is considerably higher than the number of white women in the same situation (IPEA, 2011).

Finally, factor 3 deals with housing and infrastructure conditions and explains around 18% of the total variance. The absence of adequate housing and infrastructure can be a driving aspect of vulnerability as the lack of decent housing and basic infrastructure are frequently correlated to the illegal occupation of riverbanks and risk areas in São Paulo. Besides, the deficiency of proper sanitation conditions can promote the proliferation of several waterborne diseases (Almeida, 2010). Although factor 3 is mostly represented by three variables, the factor scores were estimated through Z-scores, which consider the influence, even if small, of all variables. This aspect, along with a concentration of informal settlements in the city centre due to the proximity to economic opportunities, could be an explanation for the results seen in factor 3.

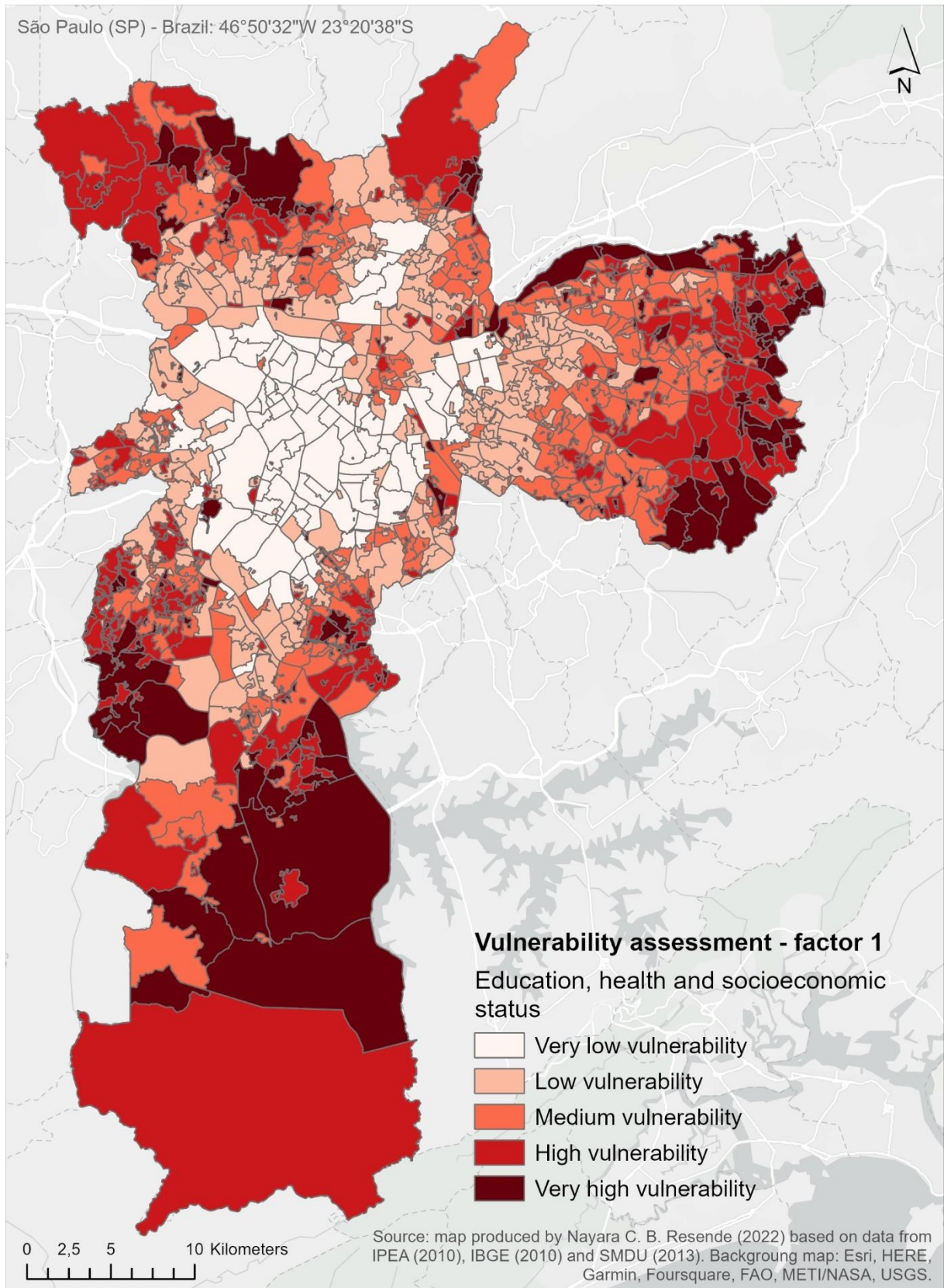


Figure 14: Mapping of the values estimated for factor 1 of the index (education, health and socioeconomic status) distributed into 5 categories. Source: map produced by the author based on the results of the thesis and data from IPEA (2010), IBGE (2010) and SMDU (2013).

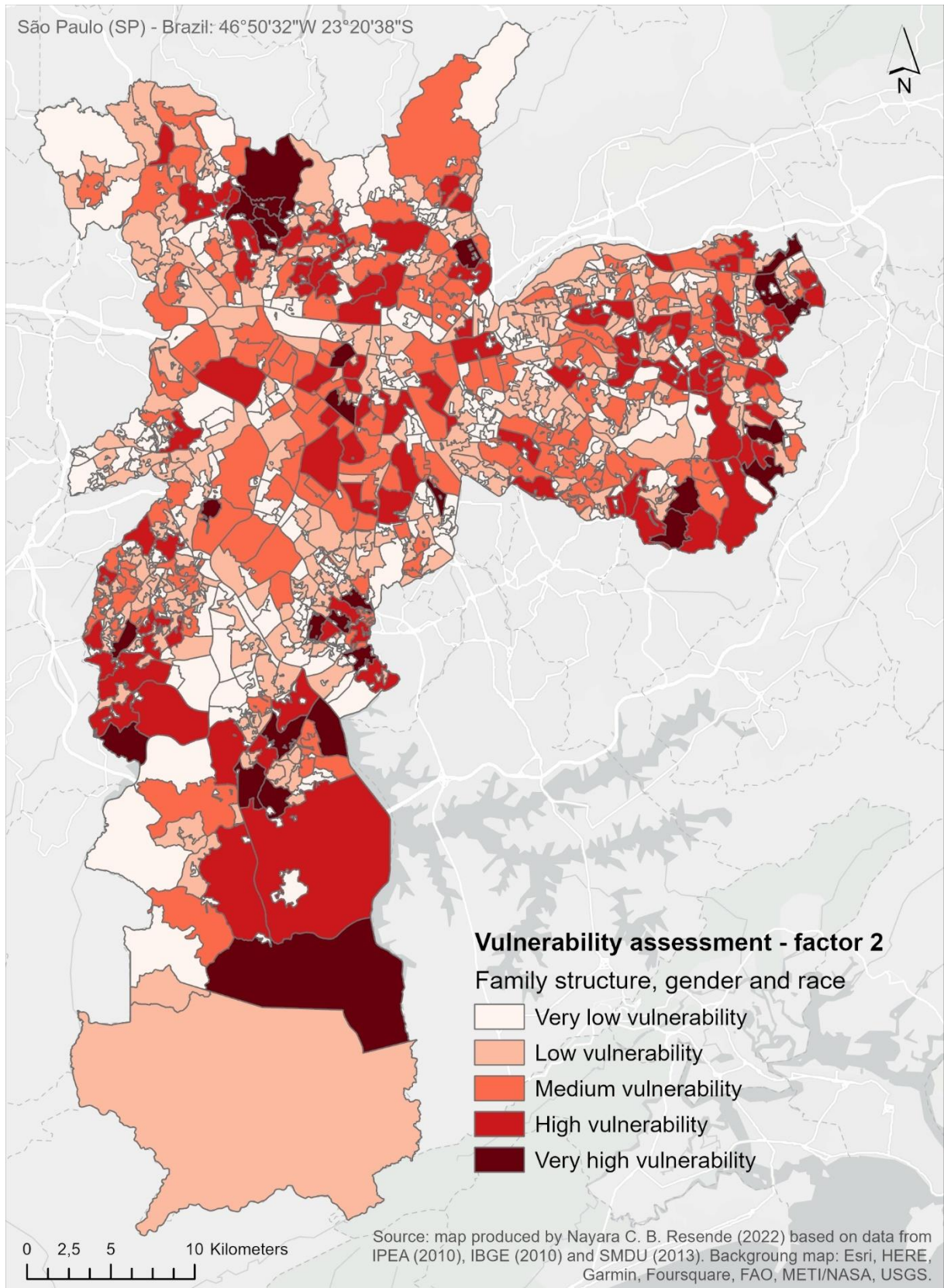


Figure 15: Mapping of the values estimated for factor 2 of the index (family structure, gender and race) distributed into 5 categories. Source: map produced by the author based on the results of the thesis and data from IPEA (2010), IBGE (2010) and SMDU (2013).

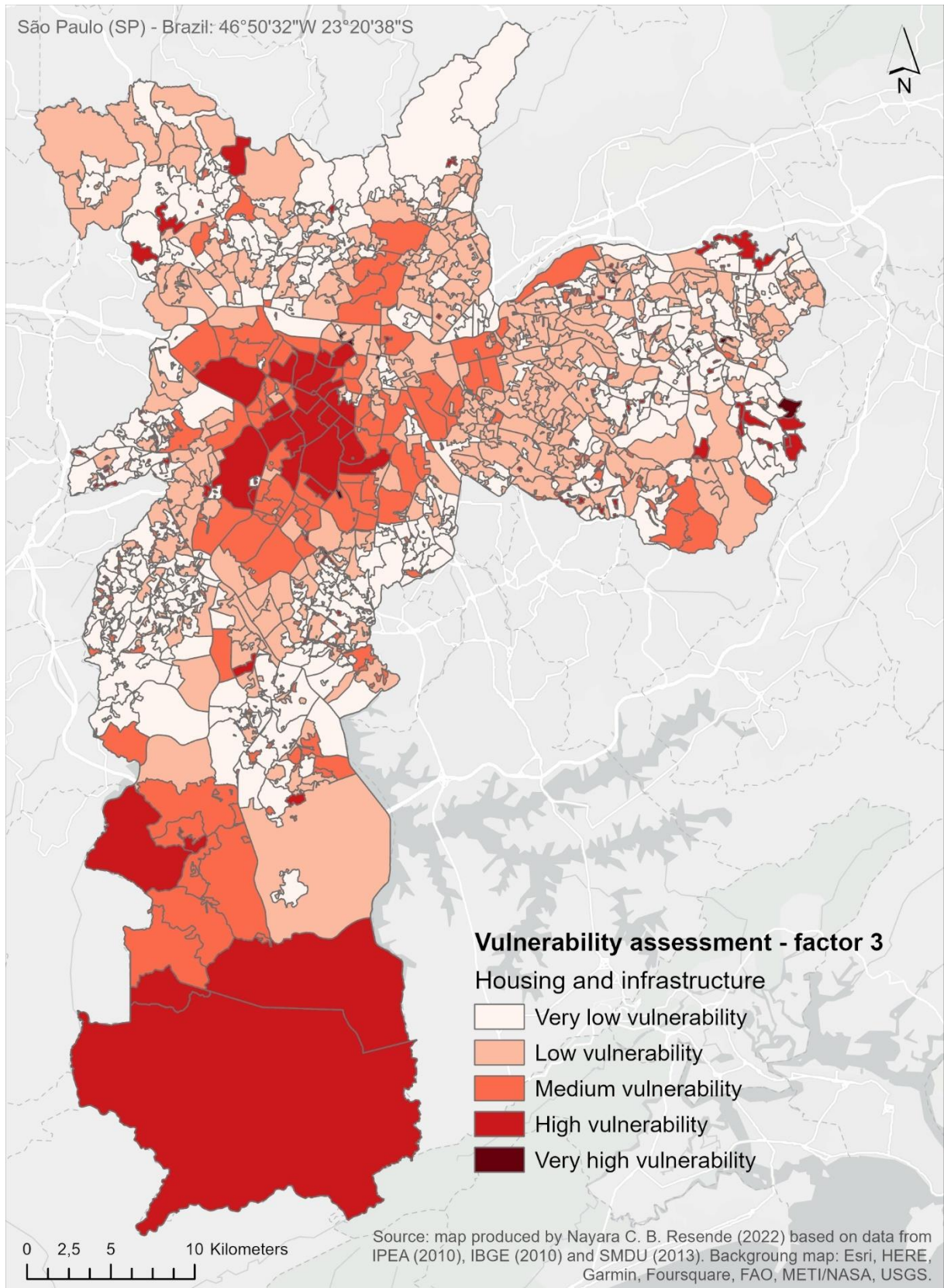


Figure 16: Mapping of the values estimated for factor 3 of the index (housing and infrastructure) distributed into 5 categories. Source: map produced by the author based on the results of the thesis and data from IPEA (2010), IBGE (2010) and SMDU (2013).

5.1 Social vulnerability assessment

The social vulnerability index constructed in this research was obtained through a weighted average of the extracted factors: education, health and socioeconomic status (factor 1); family structure, gender and race (factor 2); and housing and infrastructure (factor 3). The weights of each factor were based on their contribution to the explanation of the total variance (40%, 20% and 18% respectively). The index calculated for each UDH in the municipality of São Paulo ranges from -0,14 to 1,92, with higher values representing unit areas with higher social vulnerabilities. In order to illustrate the results, different categories of social vulnerability were obtained by applying the classification method of natural breaks of the software *ArcGIS Pro* to the index values calculated for each unit of analysis (see Figure 17). Thus, the UDHs were distributed in five categories of social vulnerability:

1. Very low vulnerability, with social vulnerability index values ranging from -1,14 to -0,51.
2. Low vulnerability, with values ranging from -0,50 to -0,18.
3. Medium vulnerability, with values ranging from -0,17 to 0,19.
4. High vulnerability, with values ranging from 0,20 to 0,60.
5. Very high vulnerability, with values ranging from 0,61 to 1,92.

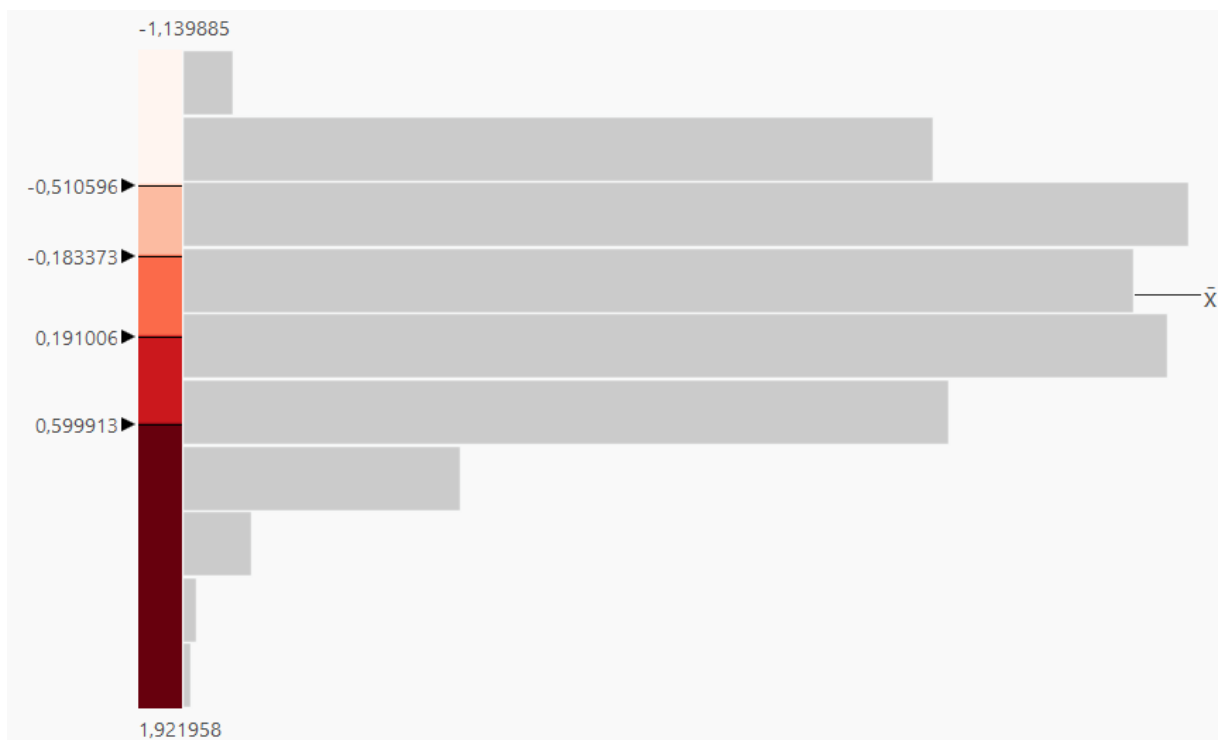


Figure 17: Categorisation of the value range obtained with the social vulnerability index into five categories utilising the method of natural breaks. Source: figure elaborated by the author using the software *ArcGIS Pro*.

Additionally, for each one of the five classified groups of vulnerability, the corresponding mean and standard deviation values were calculated along with the mean value of each of the three factors used for the calculation of the index (see Table 19).

Table 19: Statistics for each category of social vulnerability and corresponding mean values of factor 1, 2 and 3. Source: table elaborated by the author based on data resulted from this research.

Class	Social Vulnerability	Mean	Std. deviation	F1 - mean	F2 - mean	F3 - mean
1	Very low vulnerability	-0,700	0,112	-1,40	-0,40	-0,10
2	Low vulnerability	-0,400	0,100	-0,60	-0,20	-0,30
3	Medium vulnerability	0,004	0,105	0,21	0,00	-0,40
4	High vulnerability	0,380	0,120	0,86	0,00	0,18
5	Very high vulnerability	0,820	0,236	0,93	1,04	1,30

After generating different categories, the social vulnerability values were attributed to their respective units of analysis and georeferenced using the software *ArcGIS Pro*. The resulted map allows the visualisation of high and very high vulnerability areas across the territory and the identification of patterns of spatial distribution regarding social vulnerability (see Figure 18). Through geospatial analysis, information regarding the number of UDHS, area and population affected in each category of vulnerability could be summarised (see Table 20).

Table 20: Association between the classifications of the social vulnerability index constructed in this research and the correspondent UDHS, affected population and area (absolute and relative values). Source: table elaborated by the author based on data resulted from this research and data from IPEA (2010).

Class	Social Vulnerability	UDHS		Population		Area (km ²)	
		Abs.	%	Abs.	%	Abs.	%
1	Very low vulnerability	278	17,45	1.675.167	14,89	201,8	13,26
2	Low vulnerability	349	21,91	2.219.810	19,72	253,4	16,66
3	Medium vulnerability	373	23,41	2.534.205	22,52	265,1	17,43
4	High vulnerability	406	25,49	2.361.397	20,98	243,8	16,02
5	Very high vulnerability	187	11,74	2.462.924	21,89	557,3	36,63
Total		1593	100,00	11.253.503	100,00	1521,4	100,00

As it can be inferred from the presented summary, 187 human development units that comprise nearly 22% of the municipality's population is under the category of very high vulnerability. With regard to the distribution of these areas within the municipality, some spatial patterns can be identified. The areas with very high vulnerability are mostly located in peripheral areas of the municipality where preservation areas and surroundings of water reservoirs have been irregularly occupied by low-income population. This points to the assumption that social and environmental risks seem to be closely related in the municipality of São Paulo.

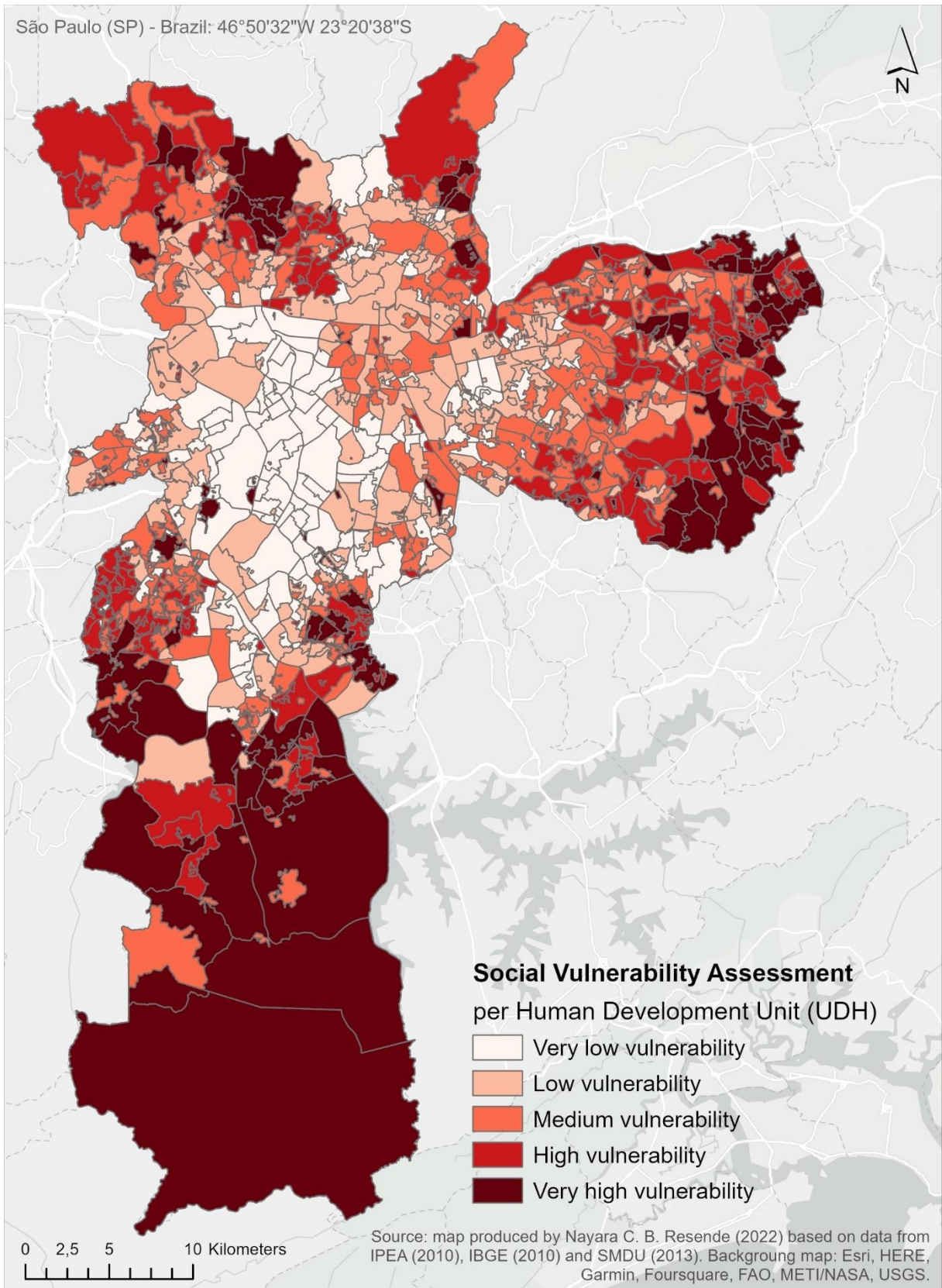


Figure 18: Social vulnerability assessment in the municipality of São Paulo. Source: map produced by the author based on the results of the thesis and data from IPEA (2010), IBGE (2010) and SMDU (2013).

5.2 Brief consistency check

With the intention of checking the overall consistency of the assessment, a few areas were chosen as exemplars to compare the calculated social vulnerability index and the reality observed in the municipality. For a comparison of the extremes (very low and very high classifications), the UDHS with the lowest and highest social vulnerability index values were selected. As for the three remaining categories (low, medium and high), the UDHS which contained the median value within their category were chosen. The proposed exemplars were then located within the municipality and mapped for visualisation (see Figure 19) as well as characterised by the three factor scores used to calculate their index values (see Table 21).

Table 21: Characterisation of the proposed exemplars (UDHS) according to their respective population, social vulnerability index (SVI) and factor scores. Source: table elaborated by the author based on data resulted from this research and data from IPEA (2010).

Exemplars	SVI	Population	Factor scores		
			Factor 1	Factor 2	Factor 3
Very low vulnerability (<i>Interlagos</i>)	-1,140	1.561	-3,152	-0,673	1,455
Low vulnerability (<i>Vila Brasil</i>)	-0,398	5.044	-0,486	-0,326	-0,739
Medium vulnerability (<i>Jardim Lallo</i>)	0,009	11.065	-0,003	0,516	-0,505
High vulnerability (<i>Jardim São João</i>)	0,372	1.004	1,017	-0,538	0,371
Very high vulnerability (<i>Paraisópolis</i>)	1,922	56.369	1,724	6,360	-0,261

As a way of comparing the selected areas and checking the vulnerability classification assigned to them by the social vulnerability index, it was necessary to utilise a simple and feasible alternative to site visits, which were not possible throughout the development of the thesis. As previously outlined, the urbanisation process of São Paulo had a very significant role in shaping the social and spatial disparities encountered throughout the city. And for that reason, the observation of the urban patterns of each proposed area was used as a means to check the overall reliability of the assessment elaborated in the thesis.

Using *Google Maps* and *Google Street View* as platforms for visualising urban patterns, it was possible to observe the current situation of the selected areas. As it can be observed in Table 22, there is a stark contrast between the areas with the lowest and highest social vulnerabilities identified by the index. Overall, the occupation pattern becomes denser and greyer (fewer green areas) as the social vulnerability increases, assumption that could be related to the presence of *favelas* and irregular occupations. Another aspect inferred by the images is the change in urban infrastructure as the vulnerability increases. For instance, in the situation of highest vulnerability, streets are narrower and unpaved, sidewalks are almost inexistent, urban greenery is mostly absent and the available space between buildings gets tighter. All the mentioned observations point to an overall consistency of the analysis.

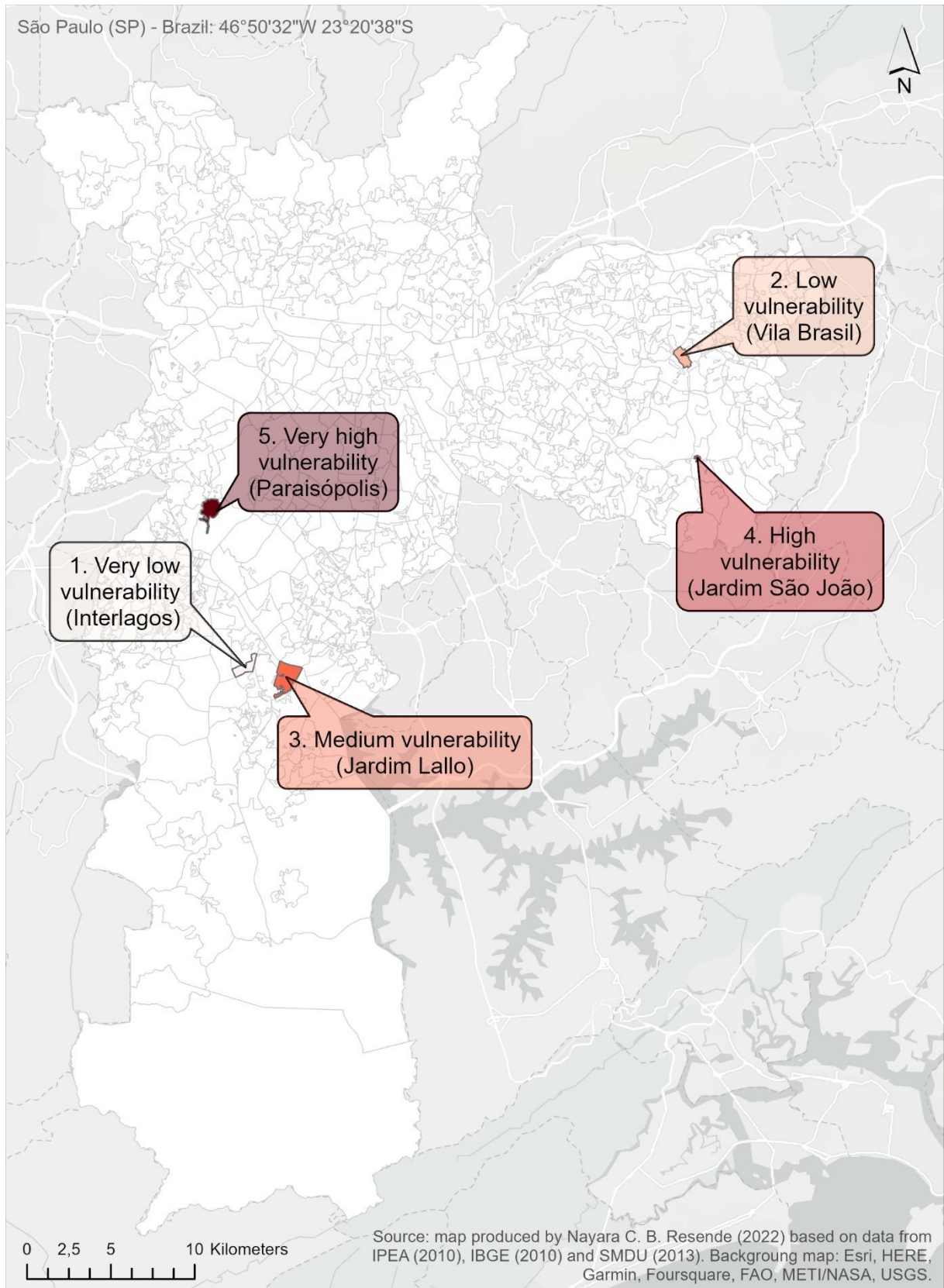

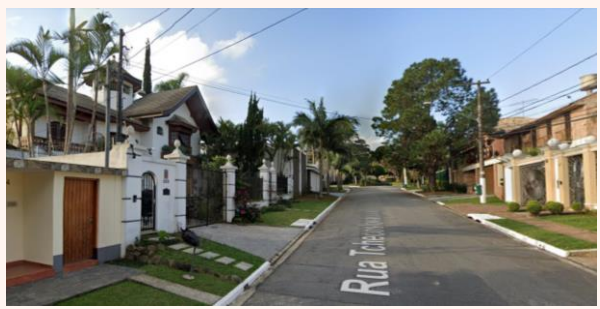
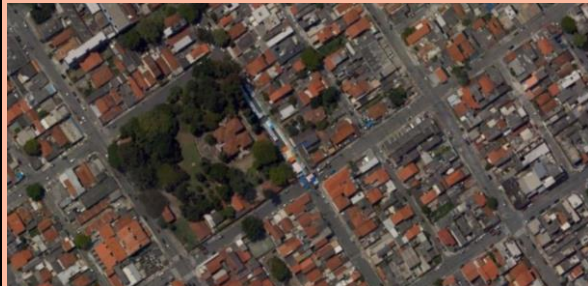









Figure 19: Location of the human development units (UDHs) selected as exemplars for a brief consistency check. Source: map produced by the author based on the results of the thesis and data from IPEA (2010), IBGE (2010) and SMDU (2013).

Table 22: Exemplar areas. Source: table elaborated by the author based on Google Maps (2022).

Area 1 - very low vulnerability (<i>Interlagos</i>)	
	
Area 2 - low vulnerability (<i>Vila Brasil</i>)	
	
Area 3 - medium vulnerability (<i>Jardim Lallo</i>)	
	
Area 4 - high vulnerability (<i>Jardim São João / São Rafael</i>)	
	
Area 5 - very high vulnerability (<i>Paraisópolis</i>)	
	

5.3 Risk posed by flooding in the municipality of São Paulo

As outlined in a previous chapter, the seasonal inundation of the floodplains was a natural phenomenon that occurred in the territory where the municipality of São Paulo was established. Over time, due to the pattern of urbanisation that has been applied to the territory, the occurrence of flood events has become ever more frequent and devastating. And to exacerbate the situation even further, climate predictions indicate an increase of precipitation levels and irregularity in the distribution of rainfall throughout the year.

Due to the threat they pose to the population and being identified as one of the major natural hazards afflicting the municipality, flood events have been selected for a risk assessment in São Paulo. Following the perspective in which risk – in the context of natural hazards and extreme events – can be seen as a product of the interaction between hazard and vulnerability (Birkmann and McMillan, 2020), the following formula was used for the estimation of risk: $\text{risk} = \text{hazard} * \text{vulnerability}$. As the vulnerability of the population at risk had already been assessed, the next step consisted of mapping the exposure to the specific hazard (flooding).

For the mapping of exposure, a study developed by Nobre et al. (2010) for the metropolitan region of São Paulo was used. The study applied the HAND (Height Above Nearest Drainage) model developed by the Brazilian National Institute for Space Research (INPE) for the identification of areas susceptible to flooding. Based on a digital terrain model, this method generates maps of topographic gradients relative to watercourses, which provides a good indication of the susceptibility of each point on the landscape to flooding and could be useful to map flood hazards in areas with poor information (Nobre et al., 2011; Nobre et al., 2016).

The map produced for São Paulo was obtained as raster file and georeferenced by the author. Subsequently, a reclassification was executed to get the same number of categories as the social vulnerability map. The exposure map was then superimposed by the flood occurrences registered in the period between 2018 and 2021 (see Figure 20), which confirmed the consistency of the model used. Lastly, to obtain the risk map, the maps of social vulnerability and exposure to floods were multiplied and the results classified as described in Table 23.

Table 23: Classification of the risk posed by flooding. Source: table elaborated by the author.

Risk matrix		Exposure and physical susceptibility to flood events					Risk posed by flooding	
		Very high	High	Medium	Low	Very low		
Social vulnerability	Very high							Very high risk
	High							High risk
	Medium							Medium risk
	Low							Low risk
	Very low							Very low risk

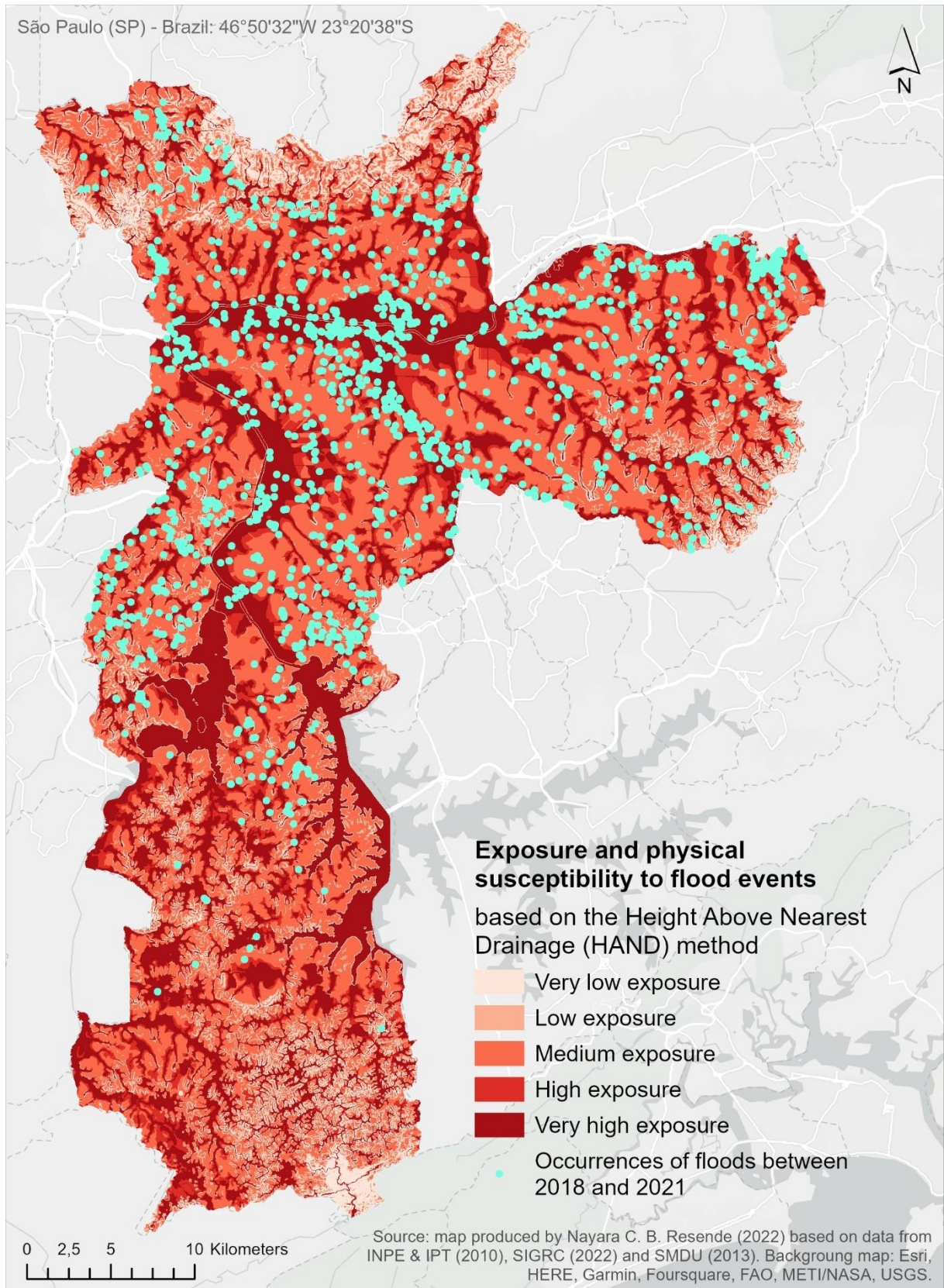


Figure 20: Assessment of the exposure to flood events in the municipality of São Paulo. Source: map produced by the author based on data from INPE & IPT (2010), SIGRC (2022) and SMDU (2013)

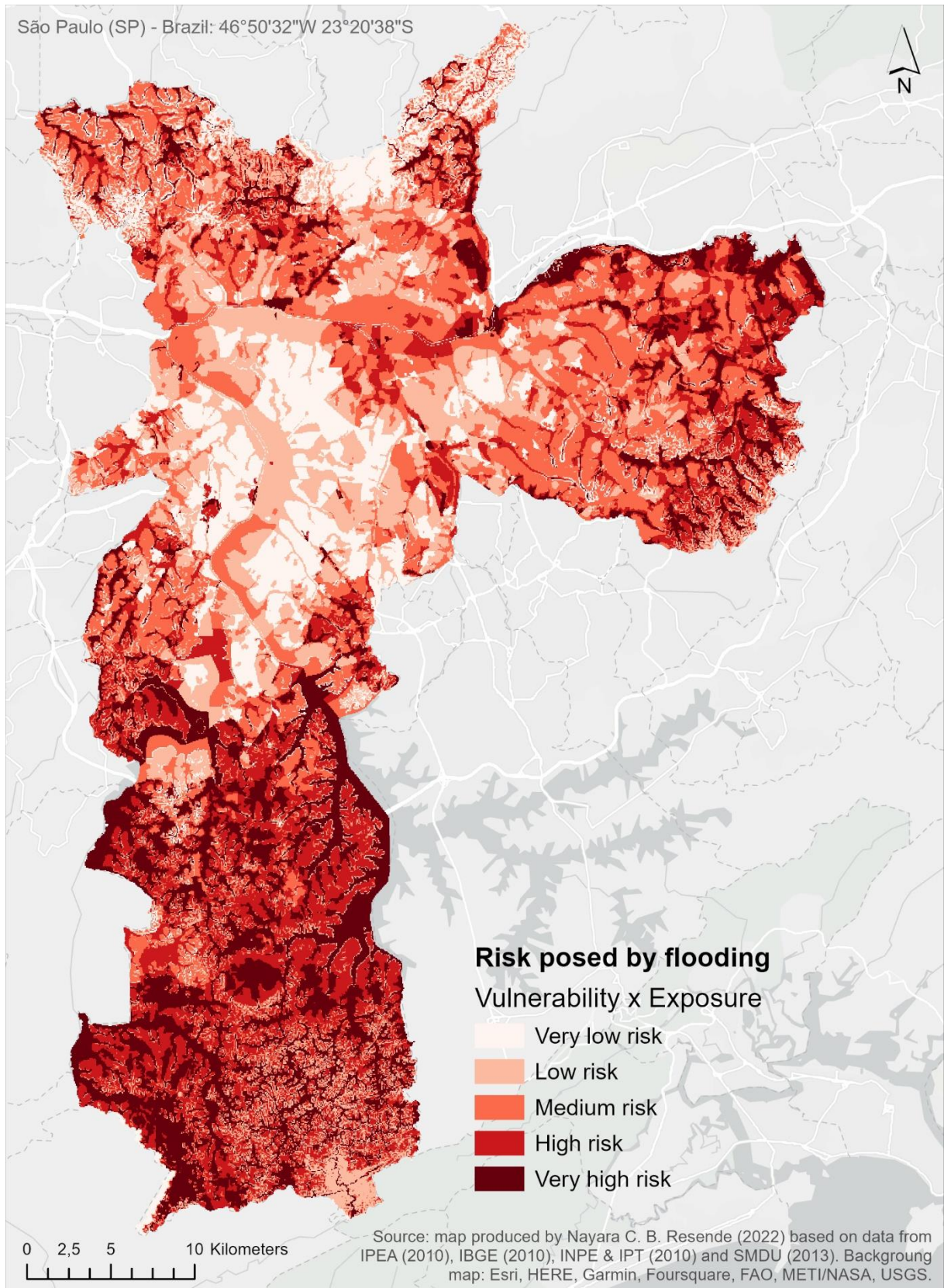


Figure 21: Estimation of the risk posed by flooding in the municipality of São Paulo. Source: map produced by the author based on the results of the thesis and data from IPEA (2010), IBGE (2010), INPE & IPT (2010) and SMDU (2013).



Figure 22: Example 1 of very high risk to flood events - Favela do Sapo in São Paulo. Source: Eleonora Bigolin and Dália Bodelgo, 2011.



Figure 23: Example 2 of very high risk to flood events - *Complexo Cantinho do Céu* in São Paulo. Source: Google Maps, 2022.



Figure 24: Example 3 of very high risk to flood events - Jardim Piratininga in São Paulo. Source: Google Maps, 2022.

Following the application of the categories suggested by the author, the map of the risk posed by flooding in the municipality of São Paulo was developed (see Figure 21). The assessment of risk of a particular hazard can be a useful tool when identifying superimpositions of exposure and social vulnerability, facilitating the development of policies and strategies targeted to a specific community or population. As verified in three examples (see Figure 22, Figure 23 and Figure 24), some of the areas classified with very high risk are identified as informal settlements, particularly those occupying riverbanks and protected areas in the surroundings of water bodies. In general, these areas also exhibit a high level of social vulnerability, as the adequate access to basic rights – such as education, health and formal employment – is often not achieved.

5.4 Limitations

Vulnerability is a multidimensional and abstract concept that cannot be easily measured or quantified. It is thus important to acknowledge that attempting to represent such a complex process through a quantitative and punctual measurement has limitations. Therefore, the portrayal of social vulnerability using a synthetic index might not be an accurate representation of reality. Moreover, the use of data from the 2010 Census in Brazil due to the postponement of the 2020 Census produces results that are not up-to-date and might no longer represent the reality in certain areas of the municipality.

Additionally, there are data issues that contribute to uncertainty. For instance, missing values had to be replaced by a value of zero in order to perform the factor analysis, which might have underestimated the true vulnerability of the affected territorial unit. Besides that, the data which were not available per human development unit (UDH) and had to be obtained through geospatial analysis could also contribute to some uncertainty, as the spatial data needed for the analysis were from two different sources and did not display full compatibility in the delimitation of boundaries.

6 Conclusions

In order to achieve its main objective of identifying the areas within the municipality of São Paulo that are subjected to a greater risk when faced with extreme events and climate change, the research followed various procedures. Firstly, the thesis analysed the context in which the municipality of São Paulo operates and identified the major climate projections and risk scenarios that threaten its inhabitants. Secondly, the use of an index based on Cutter et al. (2003) was chosen as the method to assess social vulnerability and relevant variables were selected according to specificities of the local context and available data. Lastly, by combining the assessed social vulnerability to data on susceptibility to flood events, the risk posed by flooding in the municipality of São Paulo was estimated by means of geospatial analysis.

After completing the mentioned procedures, the thesis was able to map and identify the areas within the municipality of São Paulo where social vulnerability and susceptibility to flooding overlap. By analysing the results, certain spatial patterns in the distribution of social vulnerability and risk were identified. The interpretation of the assessment points out to the assumption that social and environmental risks are closely related in the municipality, where the areas with the highest vulnerability have been commonly identified in risk areas irregularly occupied by low-income population. With the lack of adequate housing provision and the unequal access to economic opportunities, areas in which the real estate market cannot build, such as protected areas, riverbanks, steep hills and surroundings of water reservoirs, have become the alternative for settlement of a growing contingent of urban poor.

Taking into consideration that the occurrence of extreme weather events has aggravated deep-rooted issues in many urban areas throughout the last decades and the imminent threat of climate change, it is essential to rethink the current structure of cities and confront inequalities. With that in mind, certain obstacles have to be overcome in order to produce credible research that can be utilised by the responsible authorities in the elaboration of adaptation strategies and planning of interventions. Thus, in order to assist policymakers in the identification of areas that are subjected to a greater risk in the context of climate change and the formulation of appropriate responses, there is a need for more detailed and up-to-date information.

It is important, when formulating adaptation strategies, to thoroughly investigate patterns of inequalities and detect target regions for priority interventions. Therefore, in such large municipalities like São Paulo, the data has to be disaggregated into small territorial units so that more specific areas can be identified and targeted. Particularly the data on health services, social assistance and population with disabilities should be available for smaller territorial units, as the disaggregation of data into districts is not enough for a detailed intra-urban analysis. Additionally, as it would be appropriate to incorporate variables that reflect the institutional

aspect of vulnerability in future research, a lack of institutional assessments and enough transparency should be overcome.

Furthermore, as one of the major purposes of the elaborated assessment is to identify target areas for prioritisation and there are several areas within the municipality identified with a high or very high risk, the author suggests for further development that the assessment of risks posed by natural hazards is limited to those areas classified with a high and very high social vulnerability. By doing so, the territorial area which should be considered for intervention is reduced and priority areas can be identified and addressed more efficiently. Additionally, it is important that such vulnerability and risk assessments are periodically updated, as they refer to processes which are extremely dependent on places and individuals' characteristics and are subjected to changes over time. Considering that the constructed index and classification of vulnerability is only relative to the municipality of São Paulo and should not be used for comparison to other contexts, a periodical update of the social vulnerability index is meaningful for allowing the comparison of vulnerability over the years and the observation of changes in the long term.

Lastly, although the assessment elaborated in the thesis has its limitations and sources of uncertainty, it can still function as a useful tool to inform planners and policymakers on the existent inequalities and assist in decision-making processes. Especially in a city like São Paulo, where the socio-economic discrepancy among the population aggravates the impacts of climate events, it becomes vital that these structural problems of inequality are properly confronted. Immediate responses to extreme events are helpful and also important, but alone they will not be sufficient to change the dynamics of vulnerability in the municipality and prevent the occurrence of further crises. The tackling of long-lasting issues in the city of São Paulo – such as socio-spatial segregation, access to basic services and infrastructure, socio-environmental vulnerability, lack of green spaces, adequate housing provision and urban poverty – could not only contribute to disaster risk management, but also address important adaptation agendas in the context of climate change.

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List of appendices

Appendix A: Delimitation of the human development units in the municipality of São Paulo 71

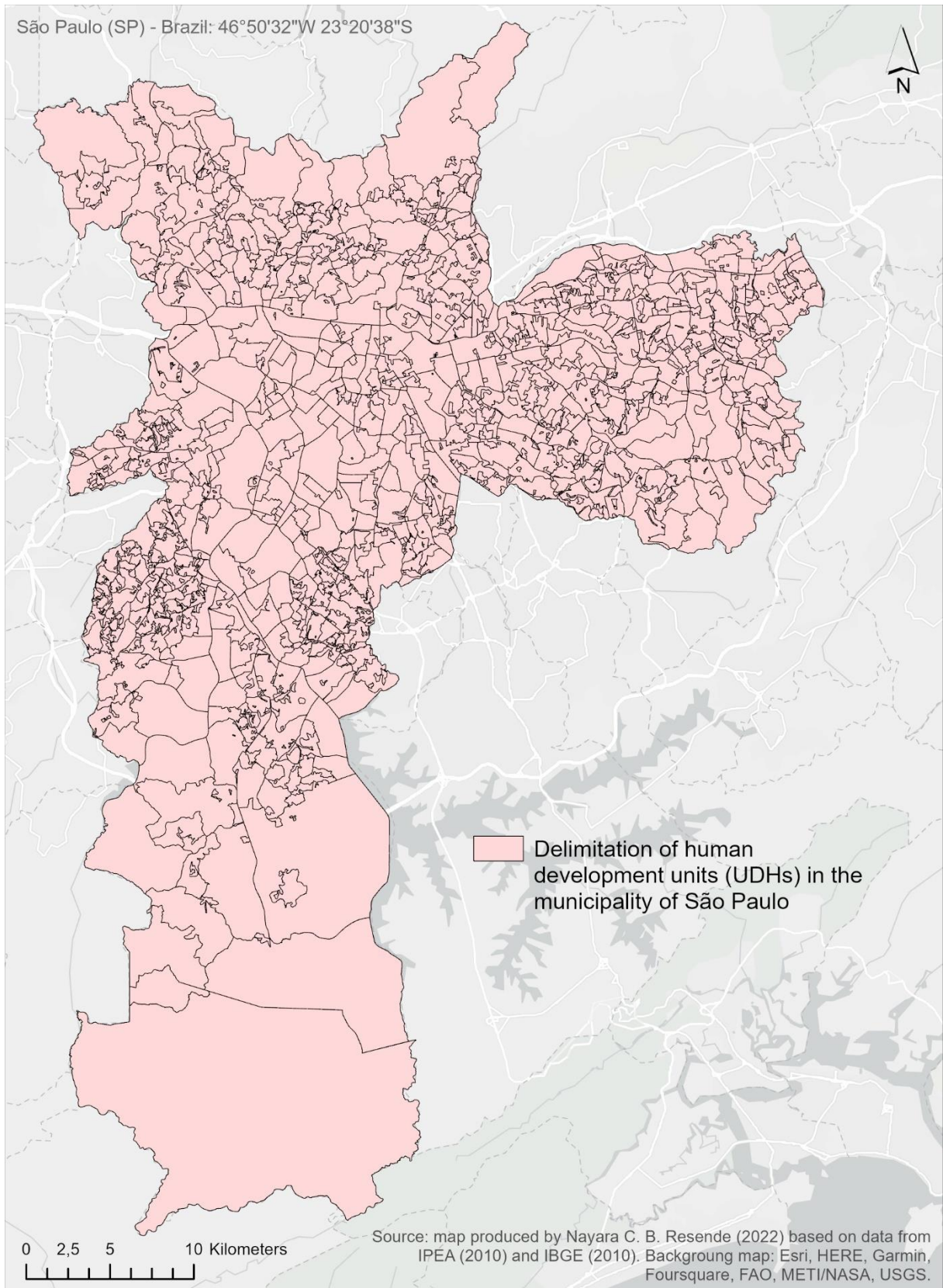
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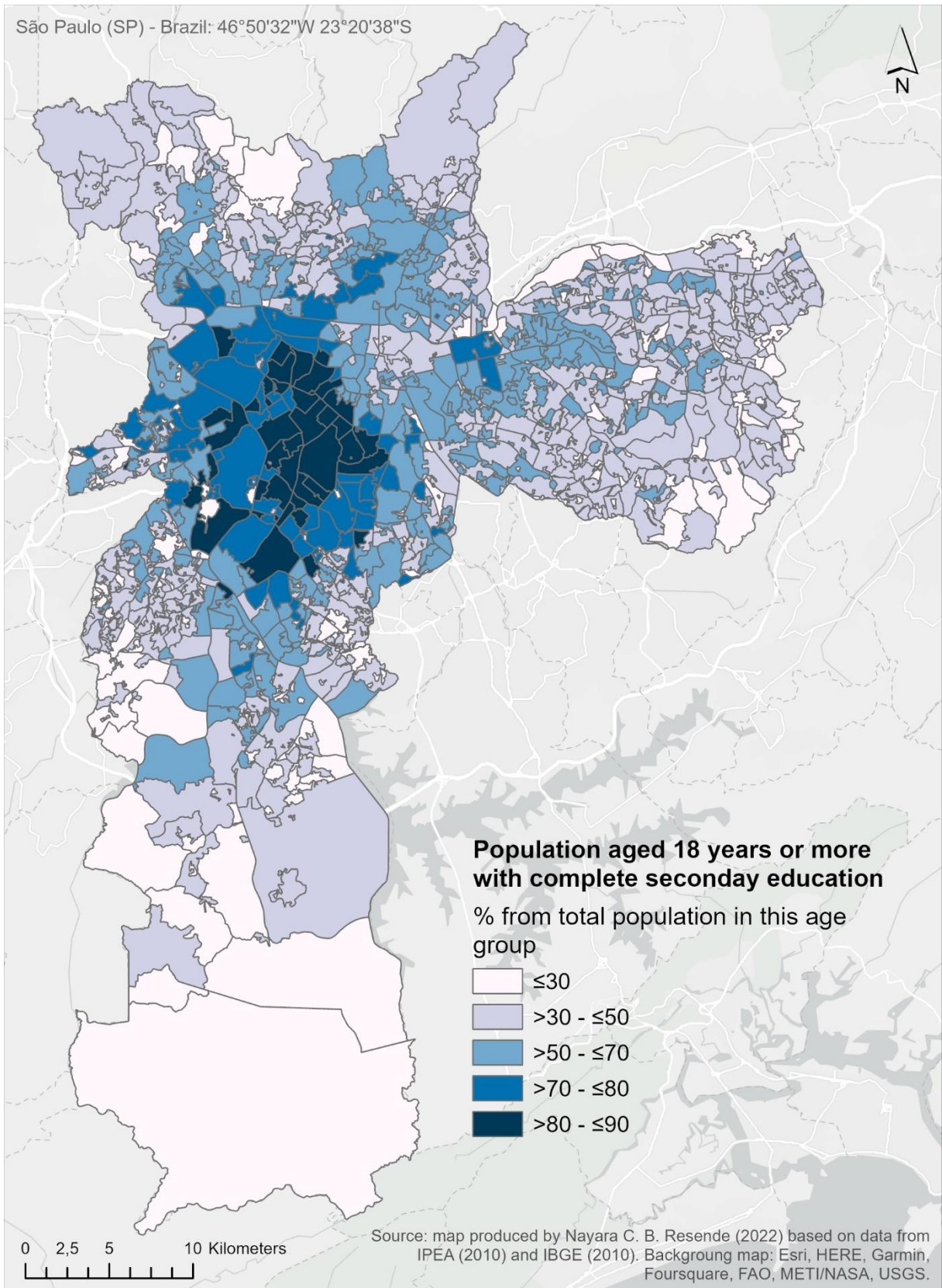
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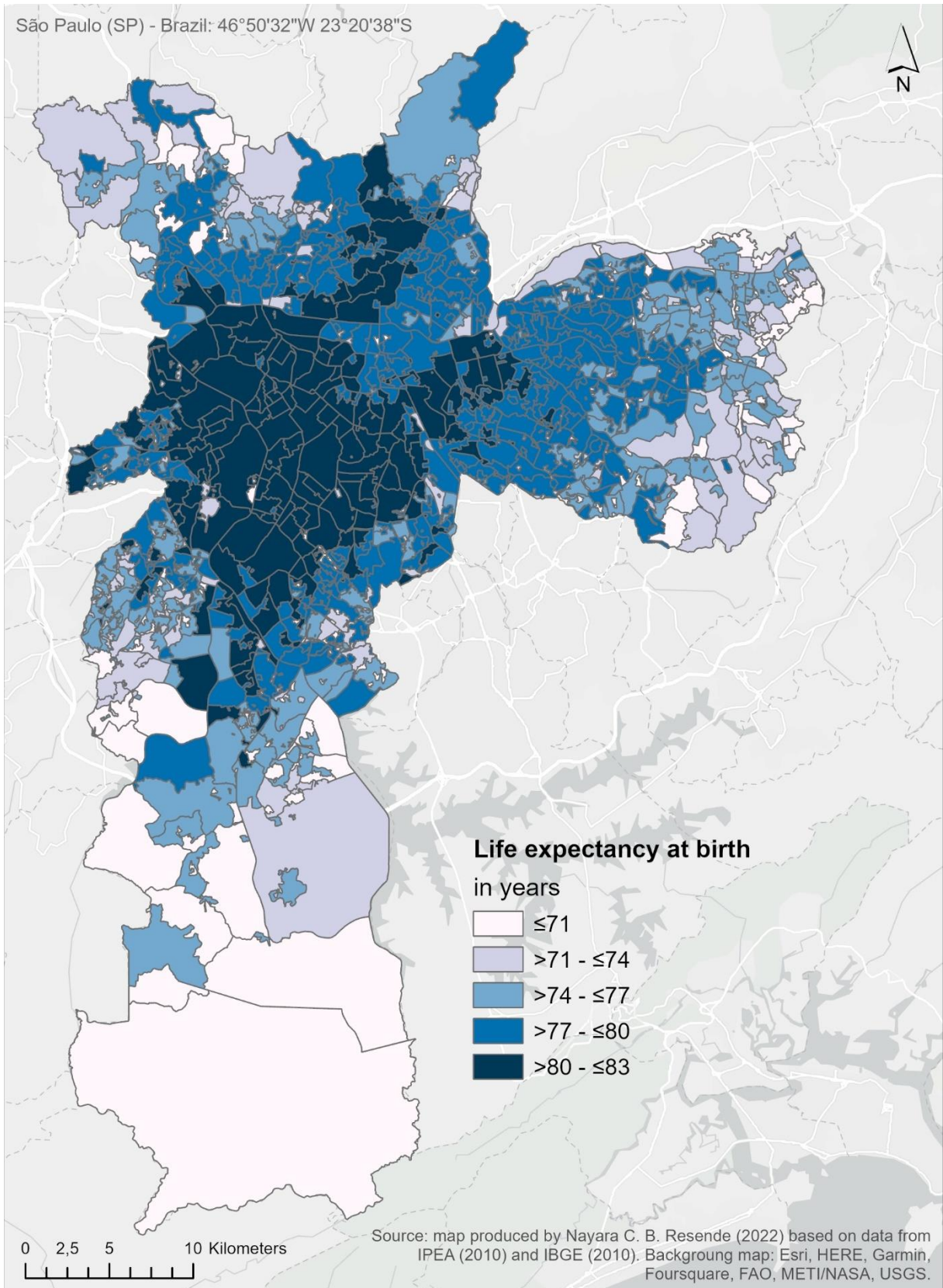
Delimitation of the human development units in the municipality of São Paulo

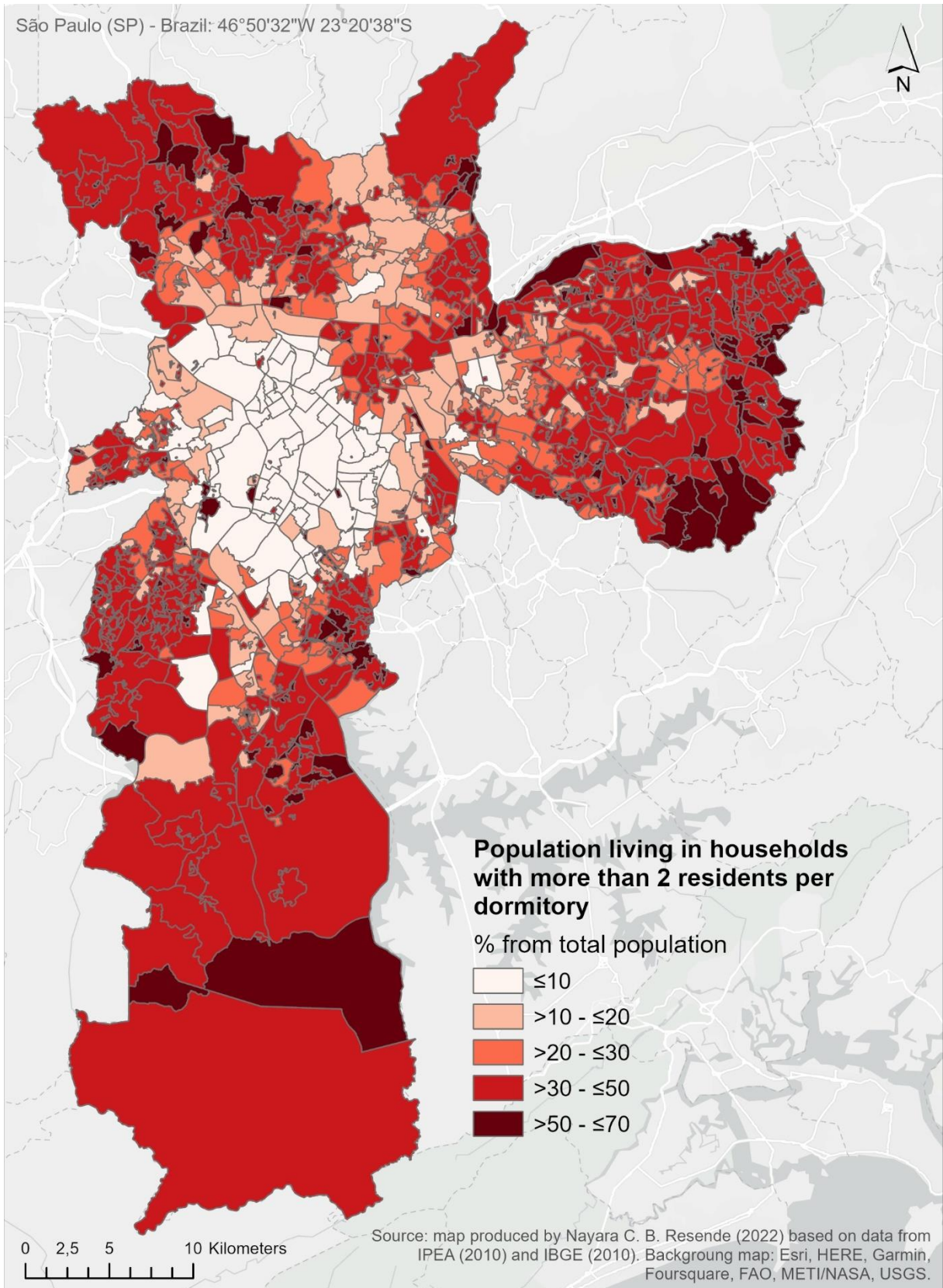


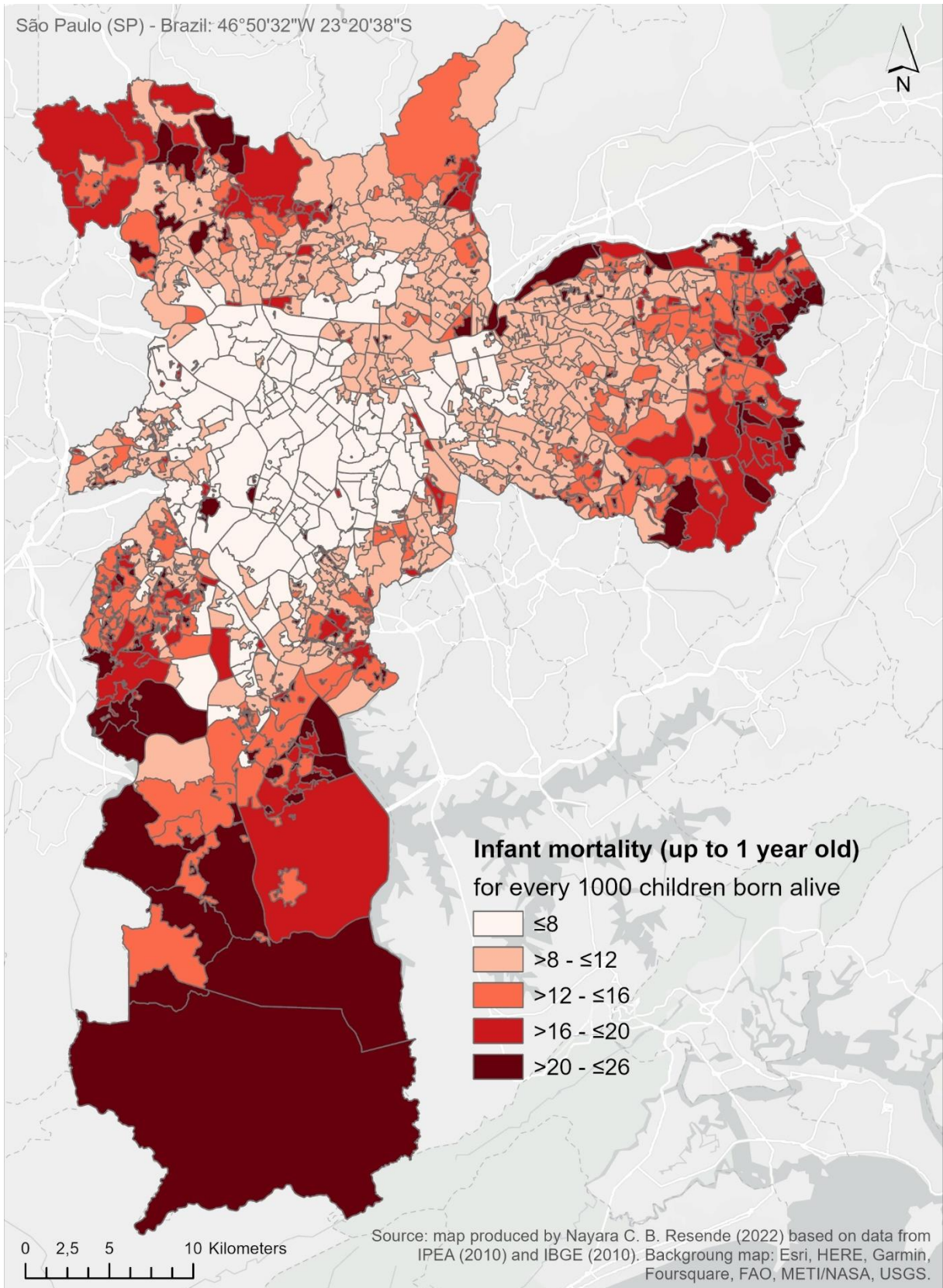
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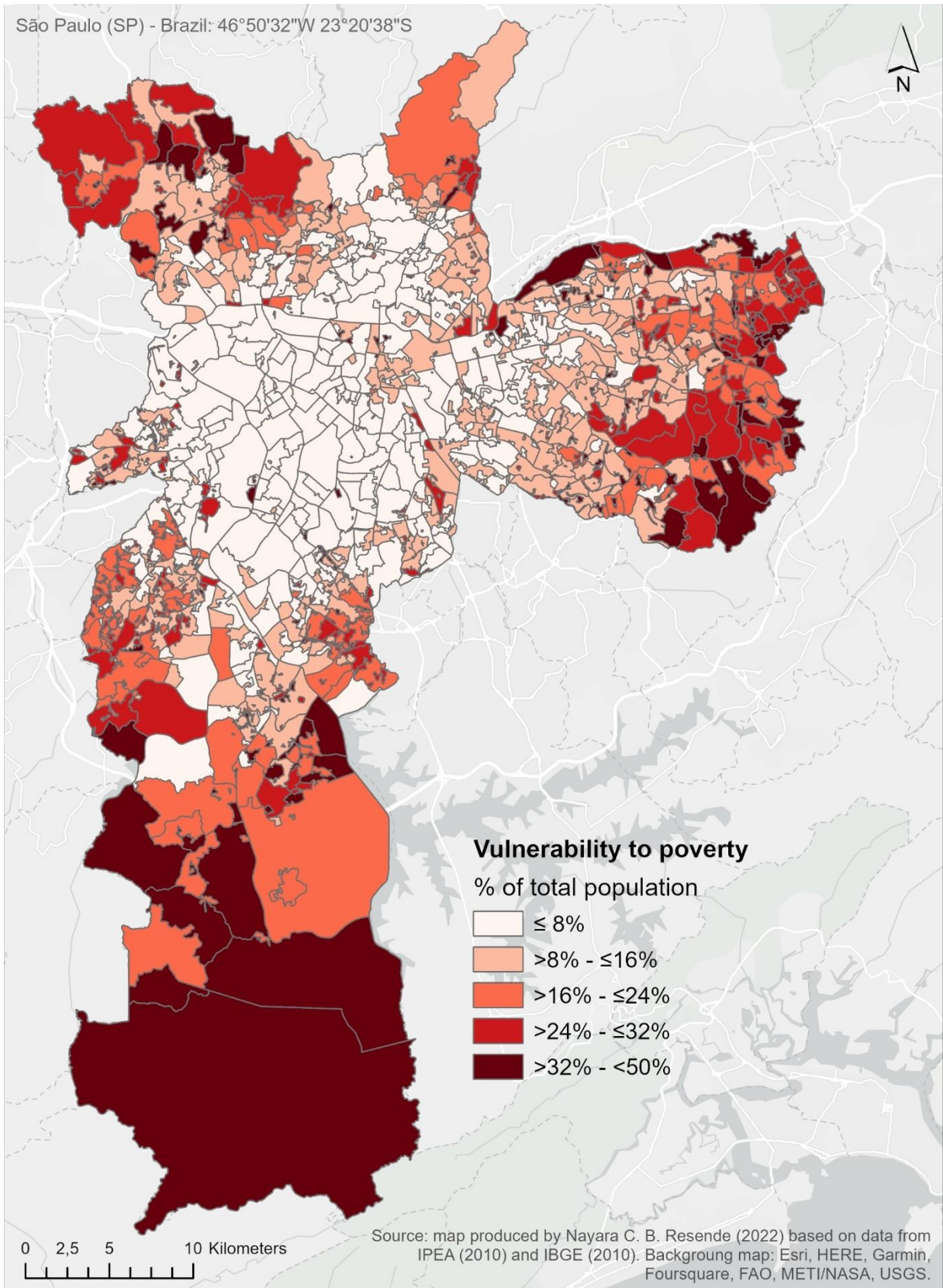
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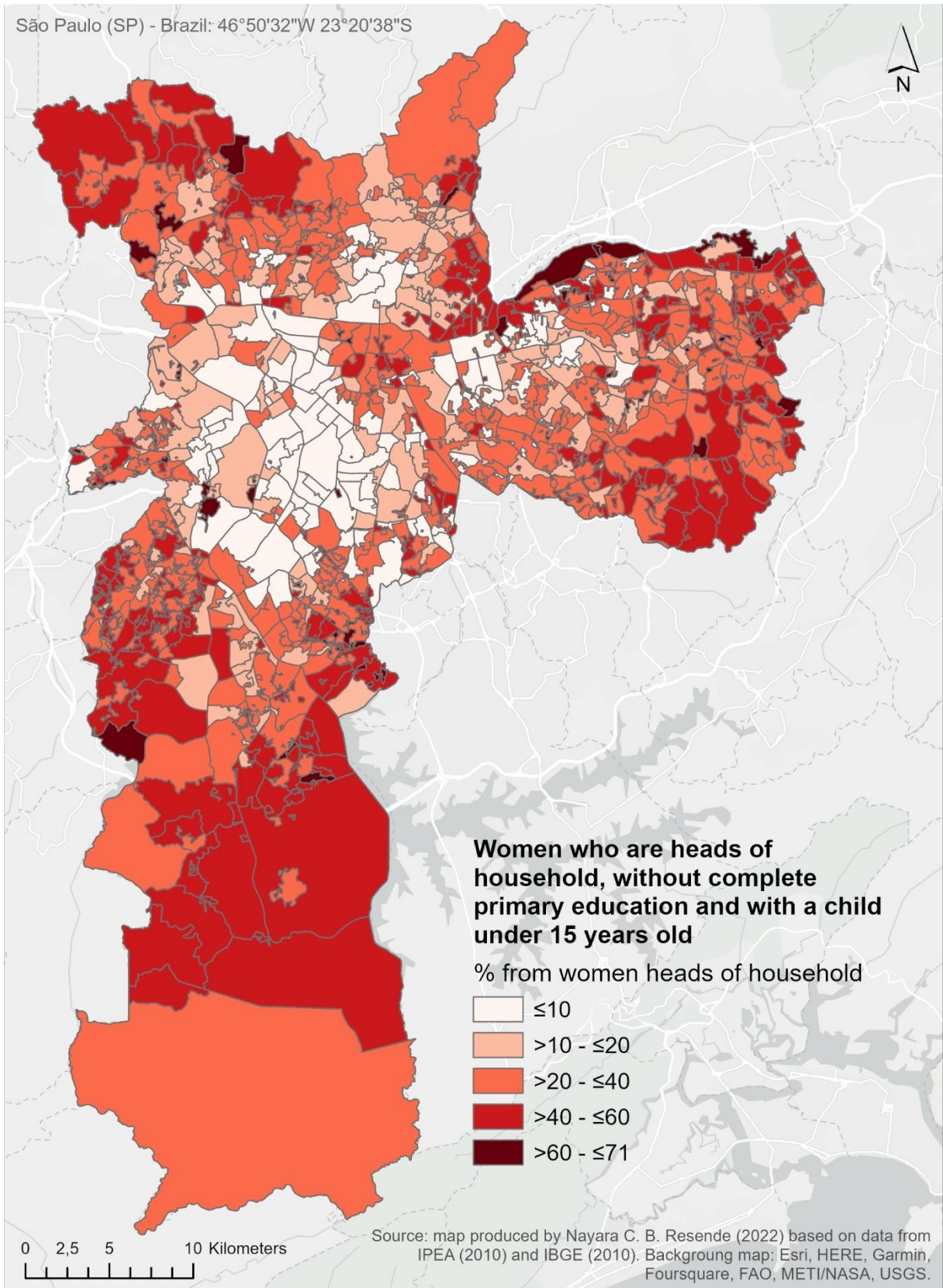


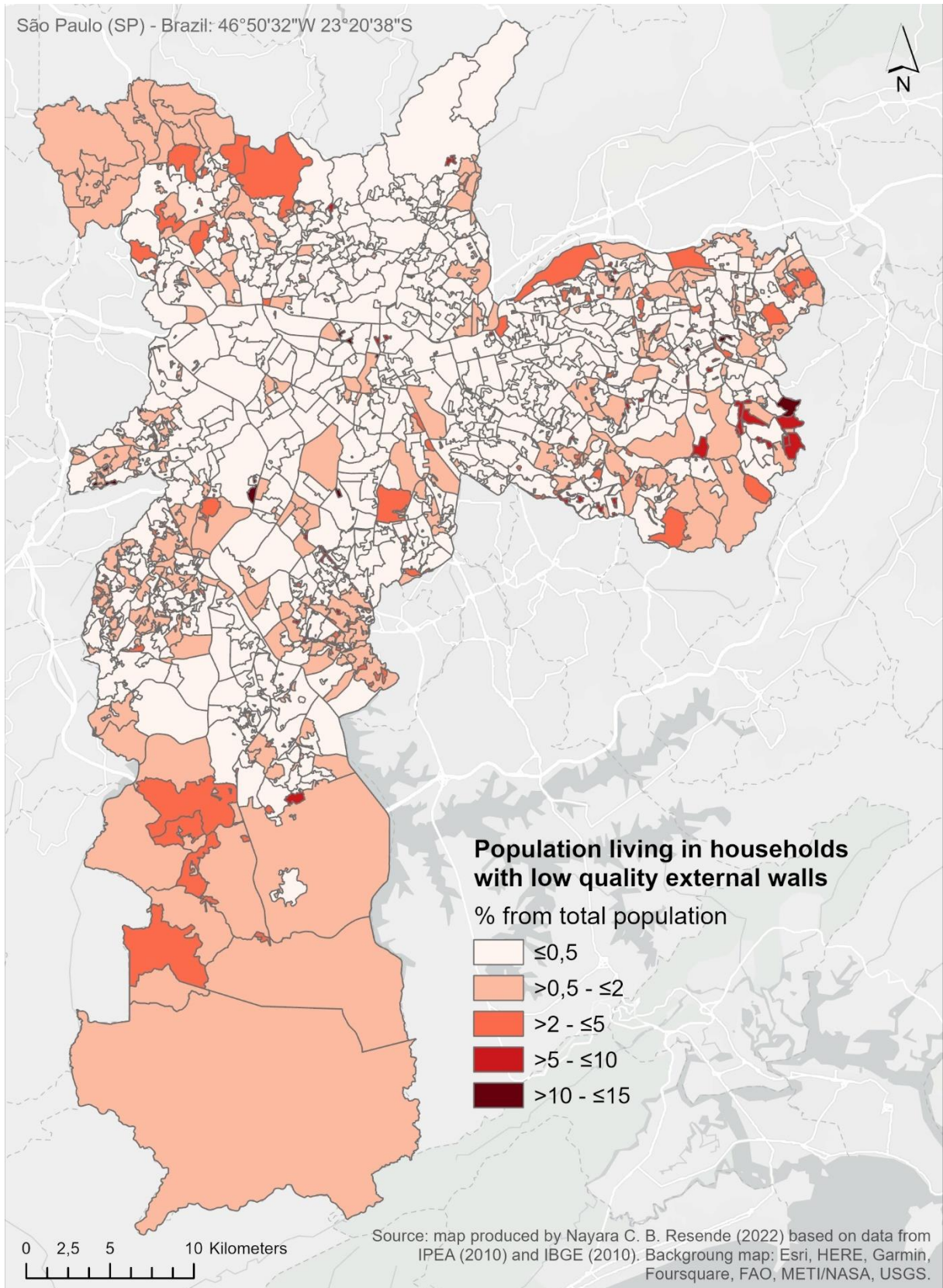


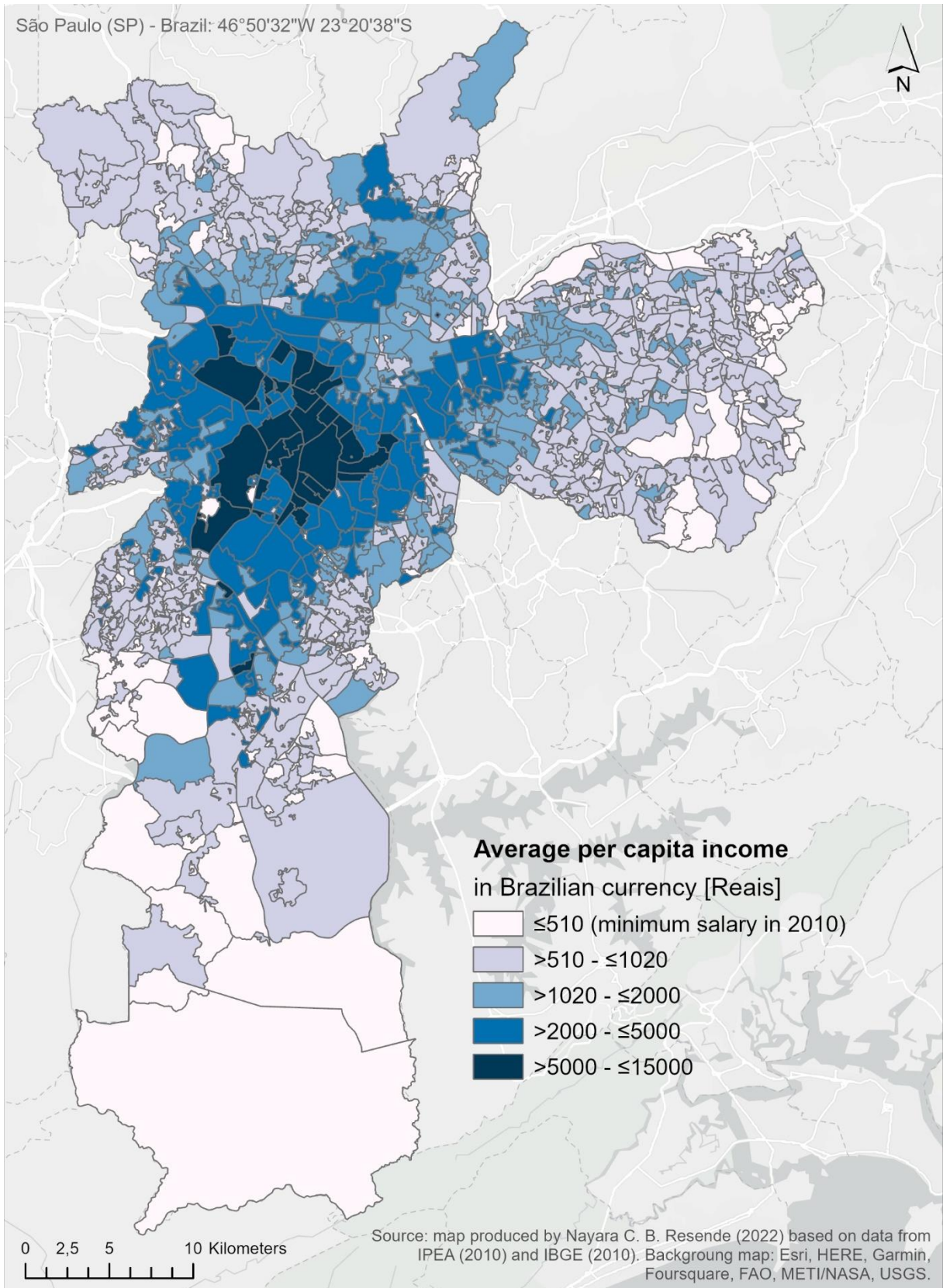


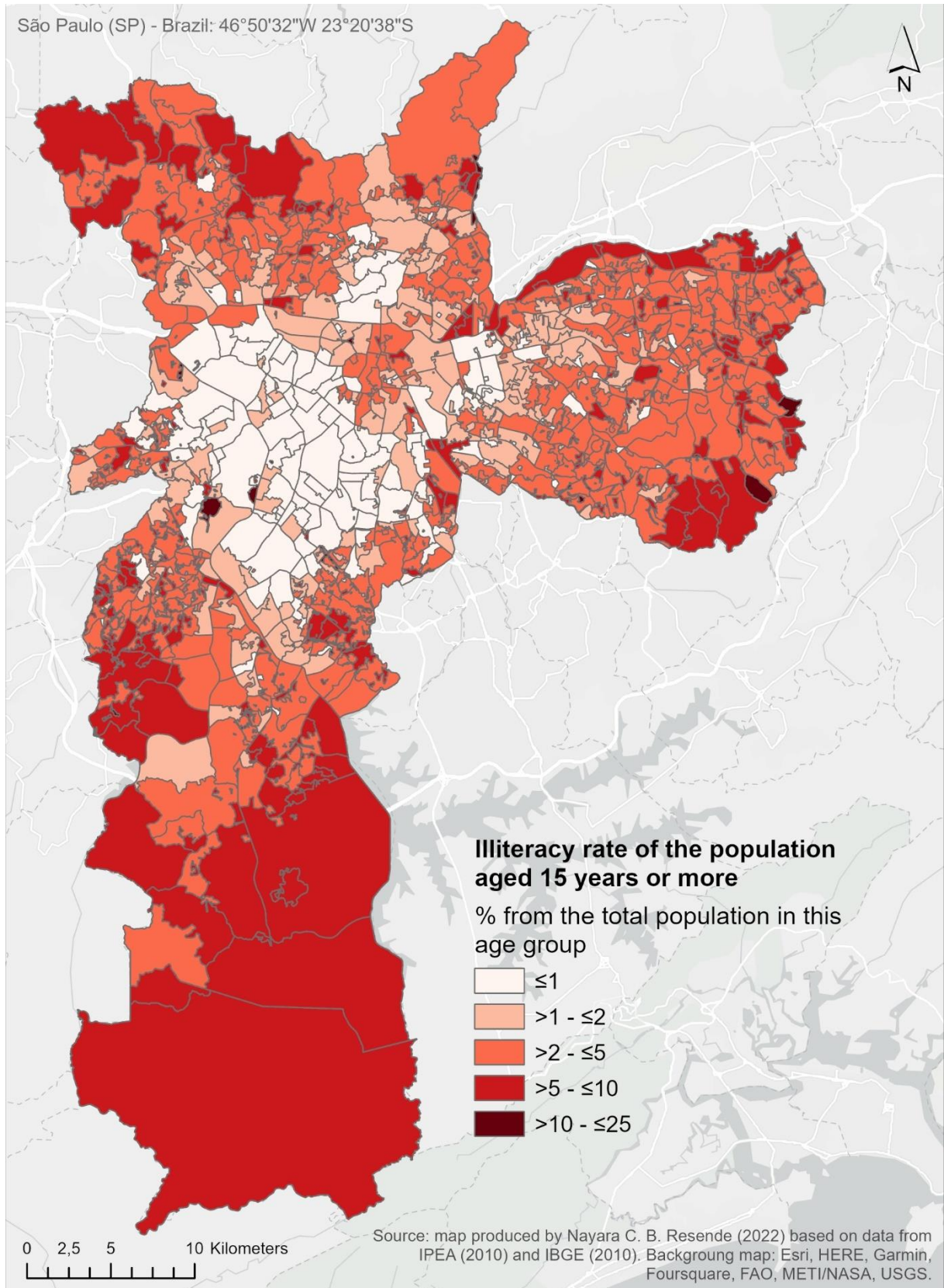


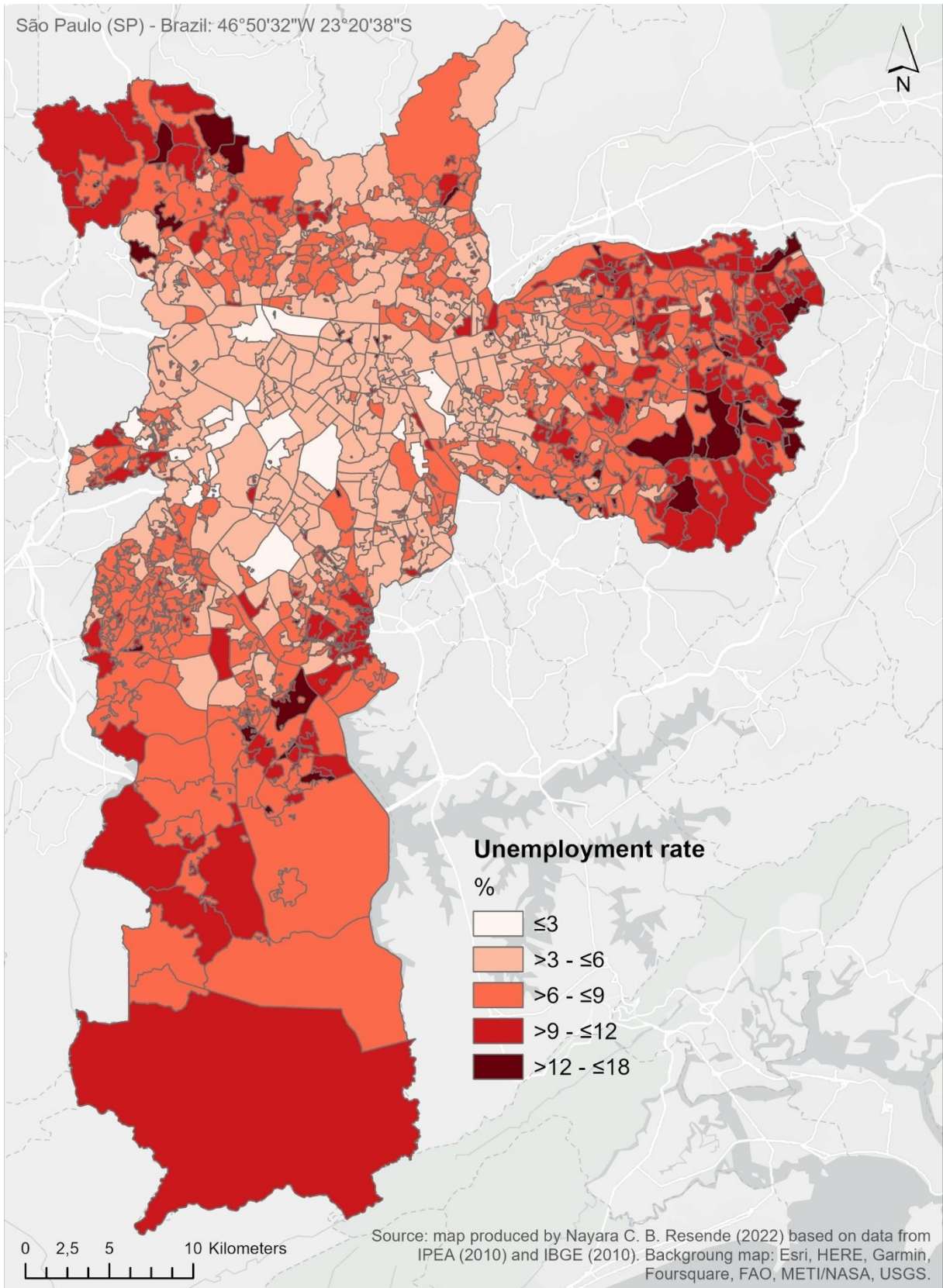


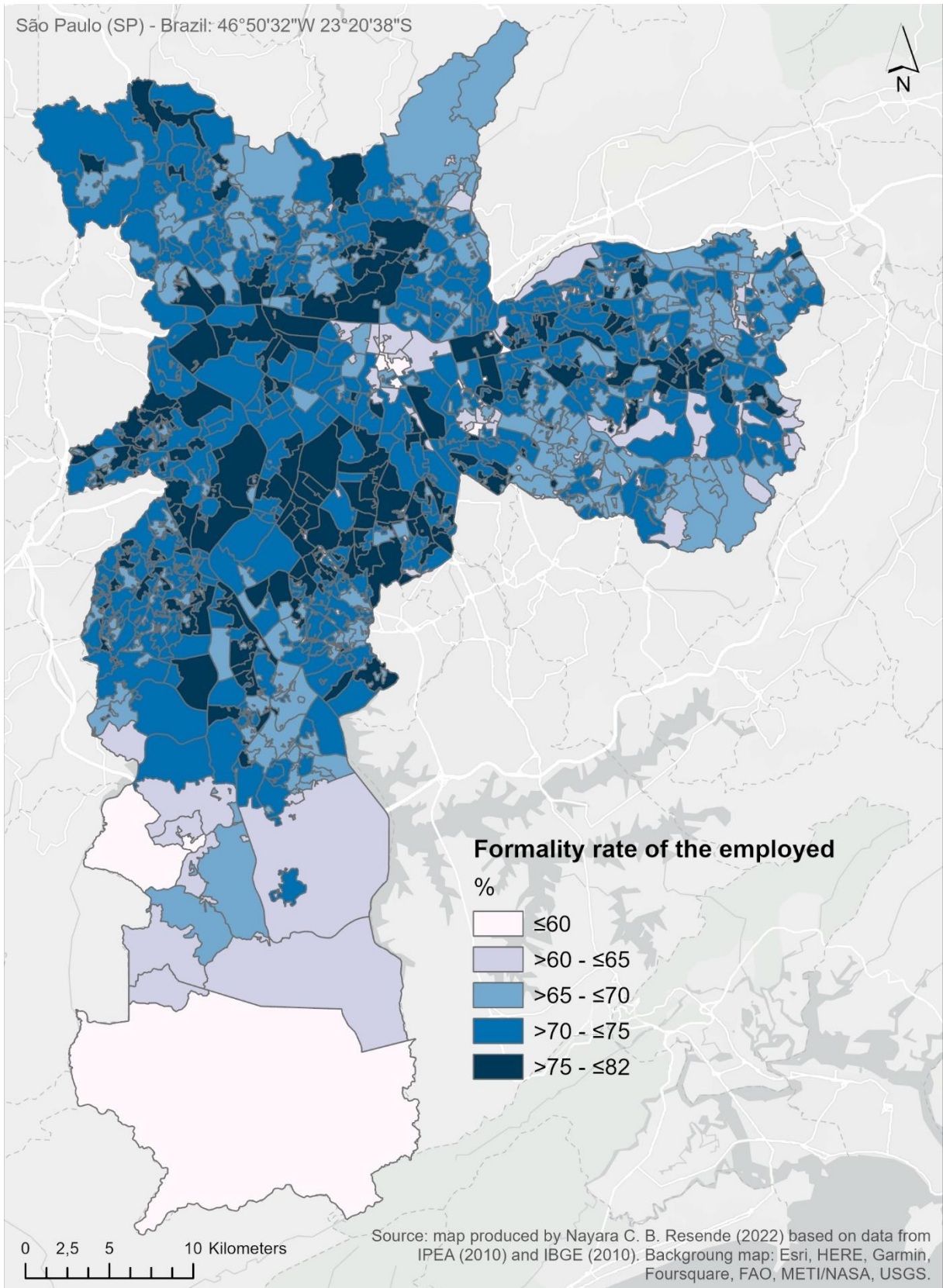


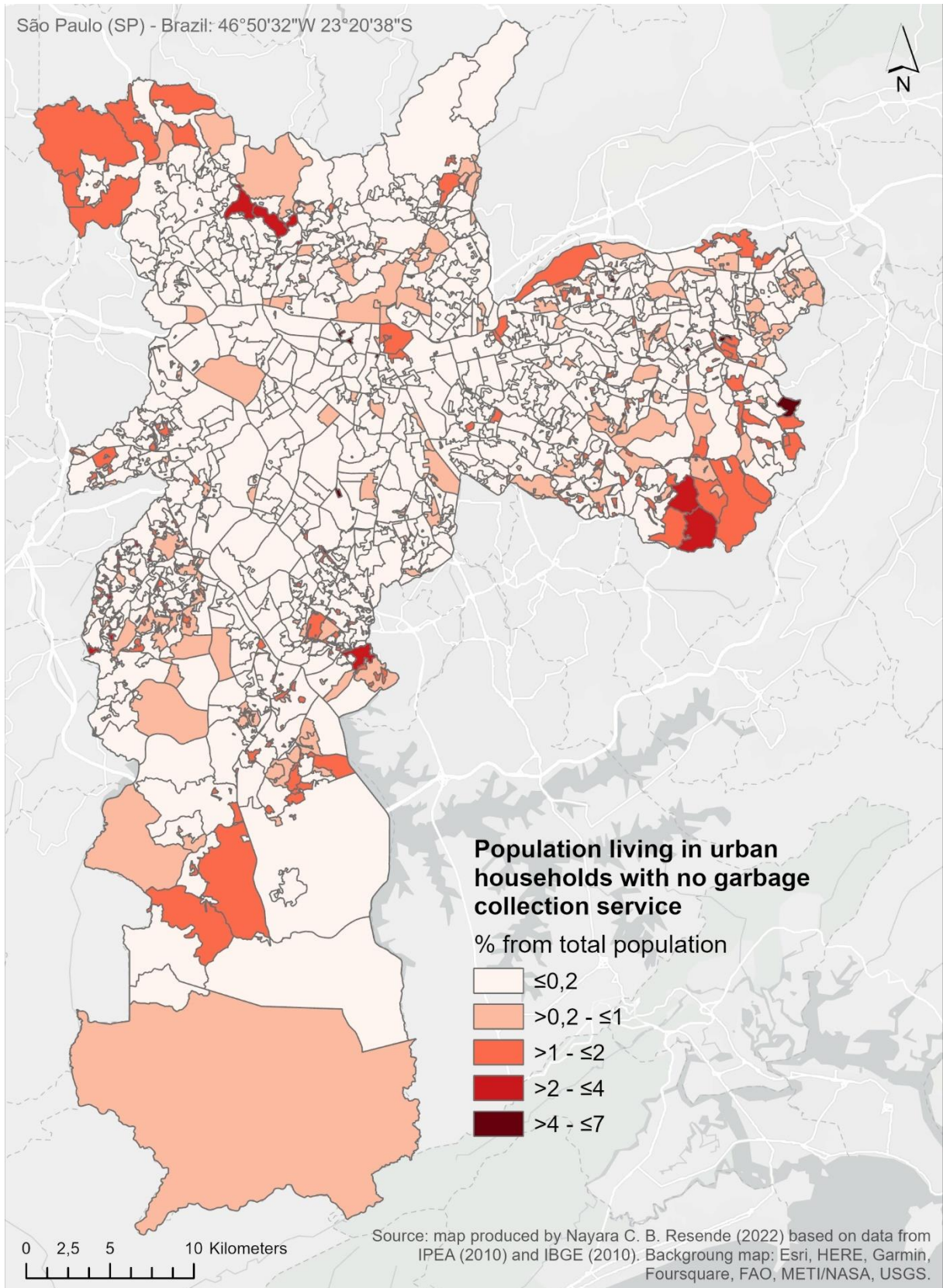


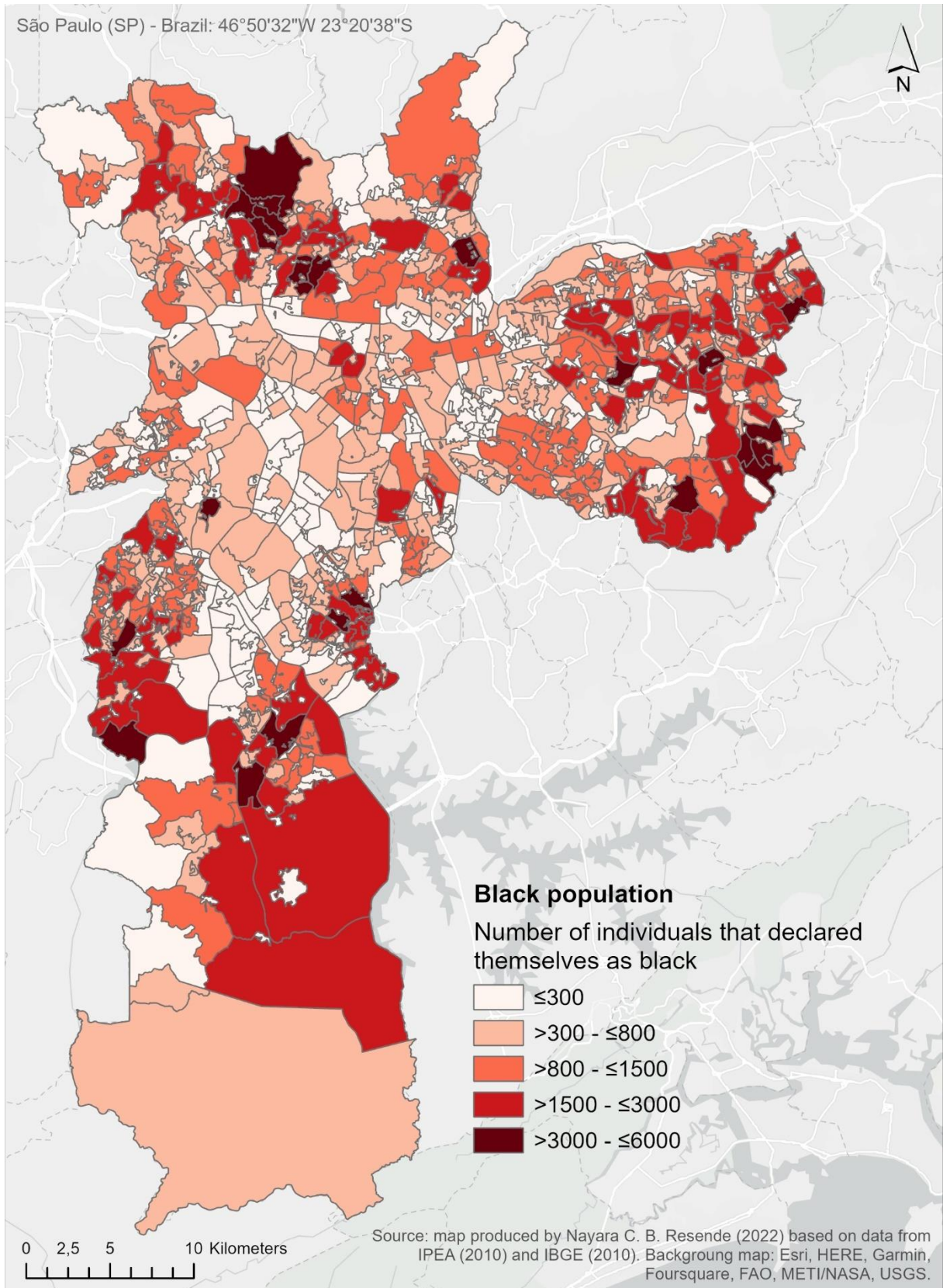


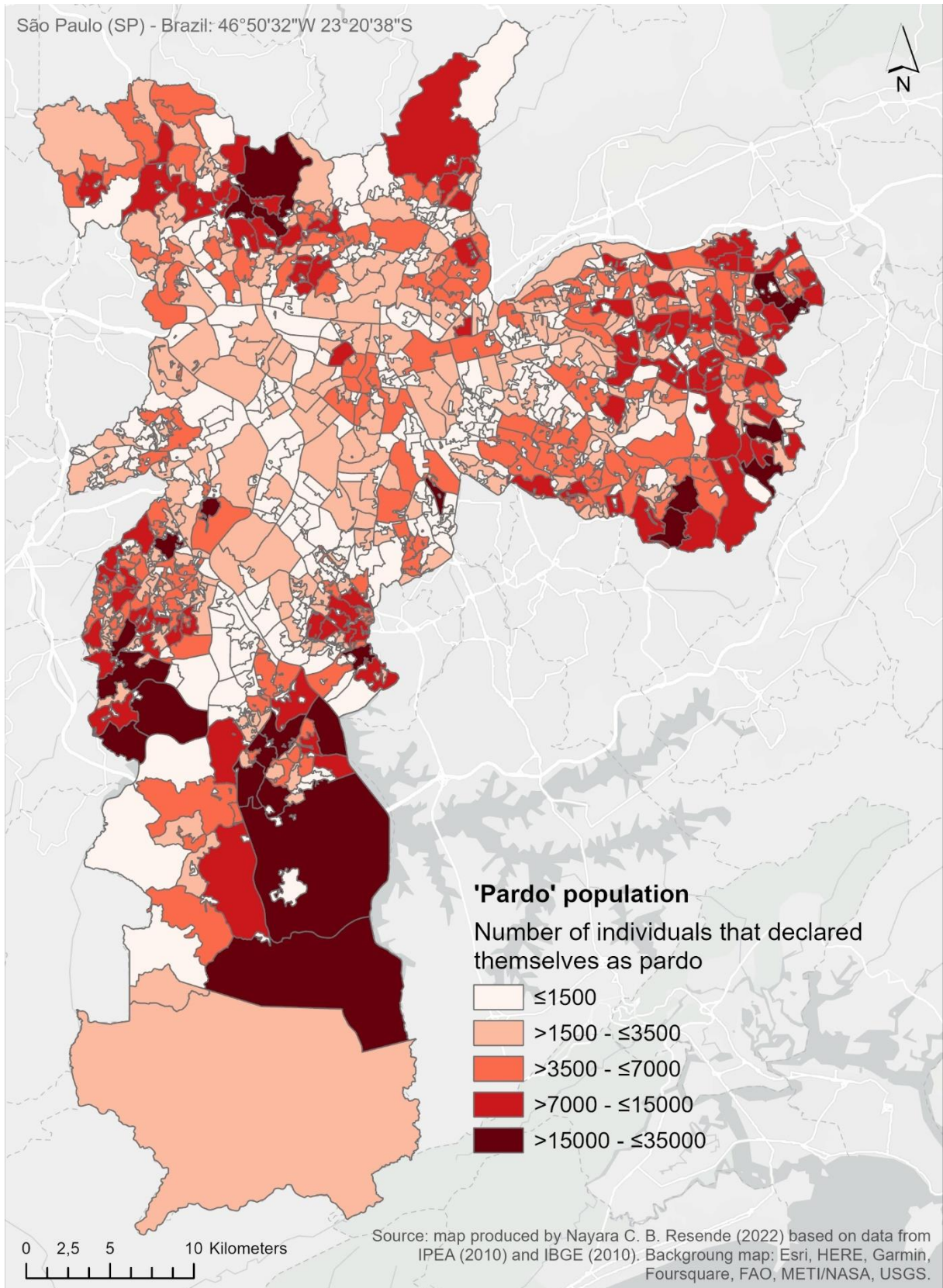


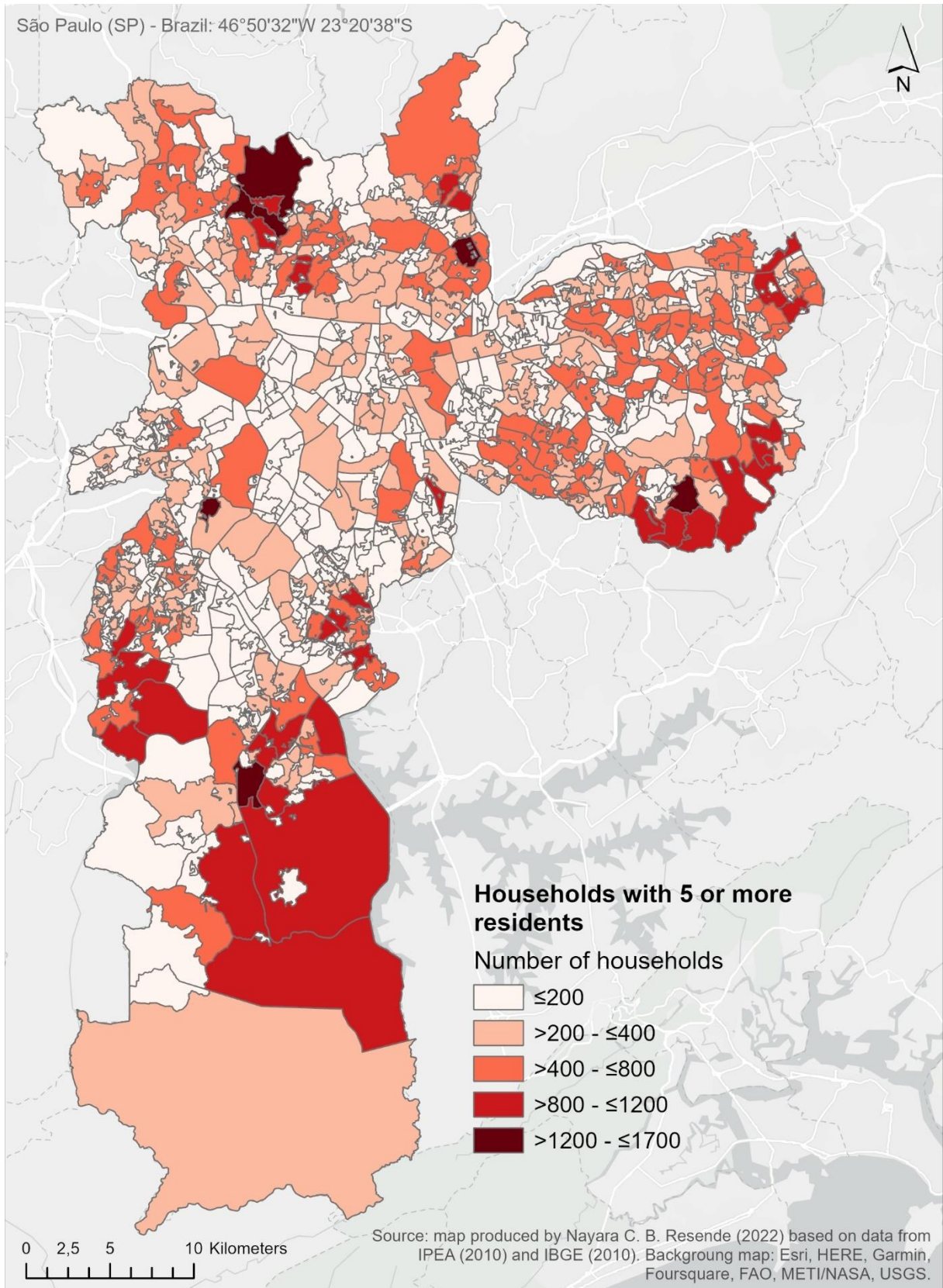


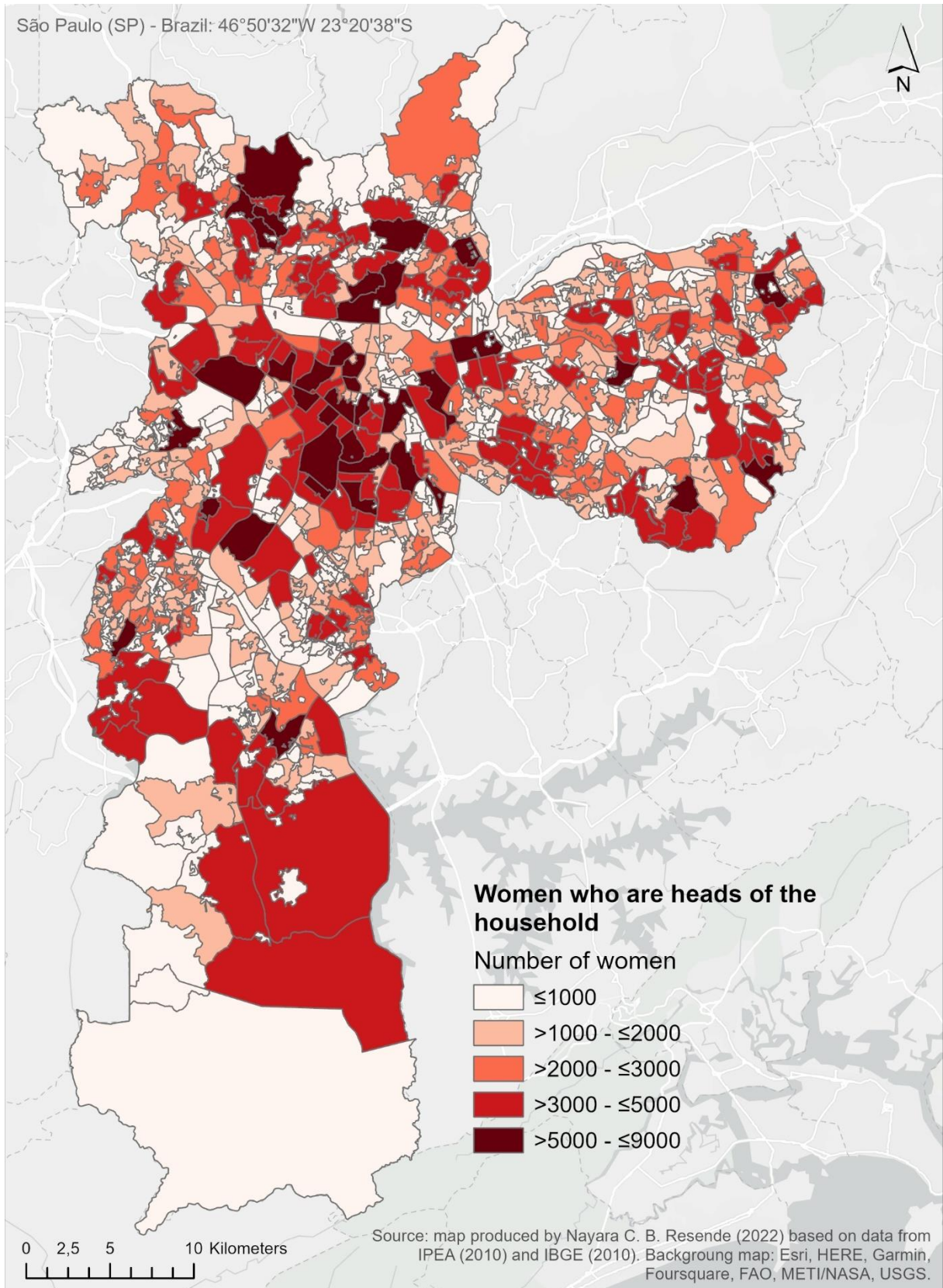


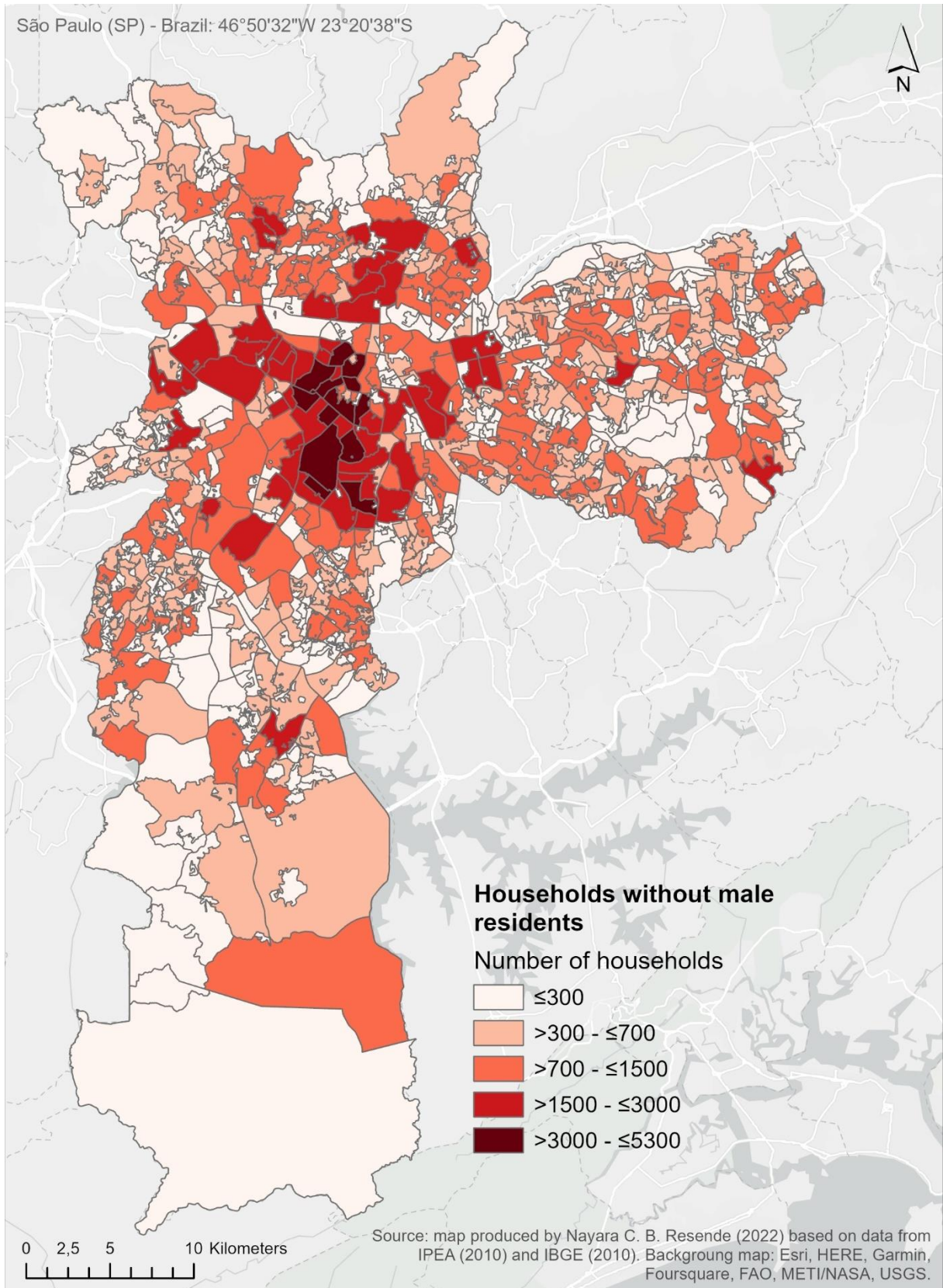


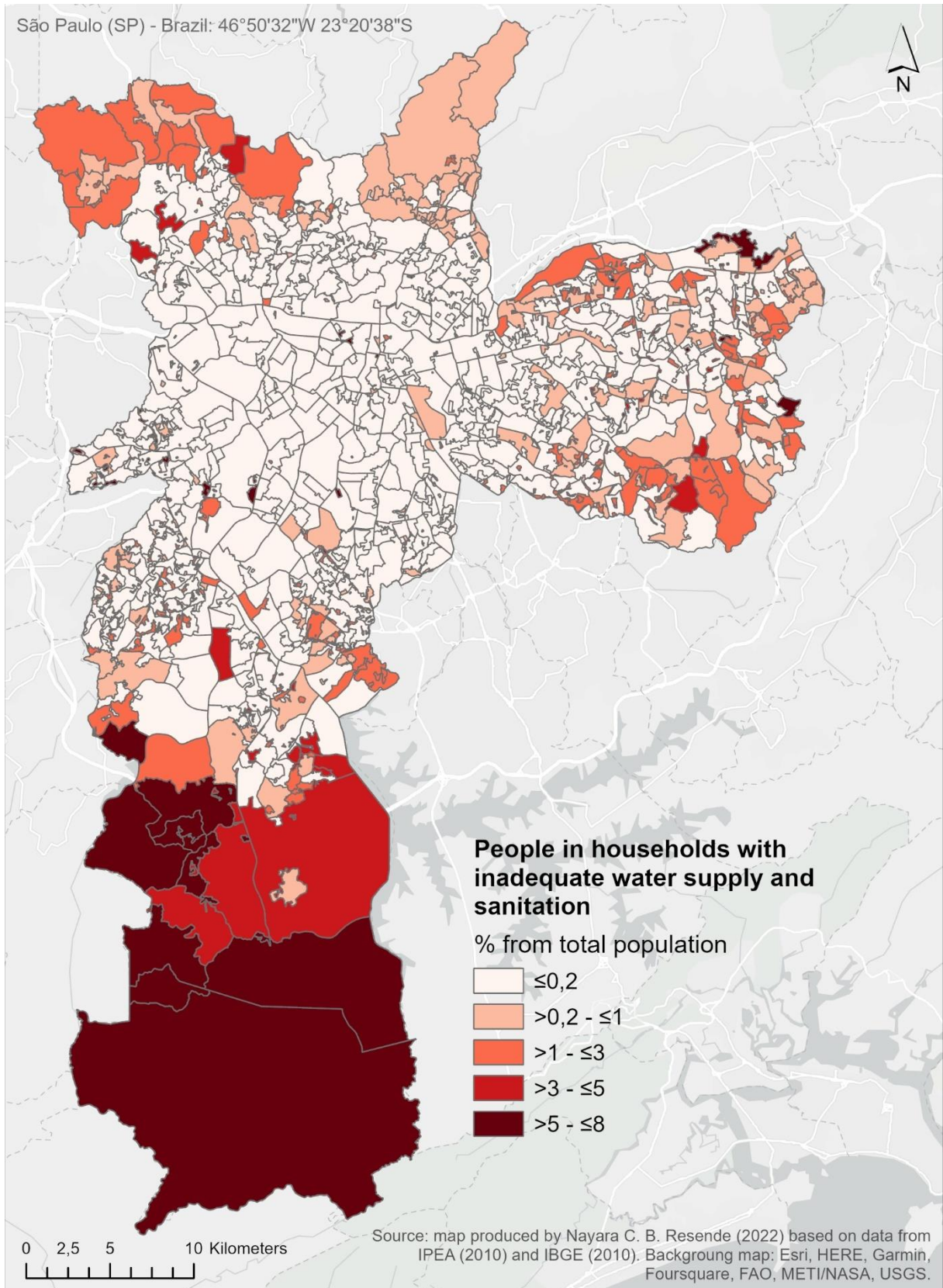


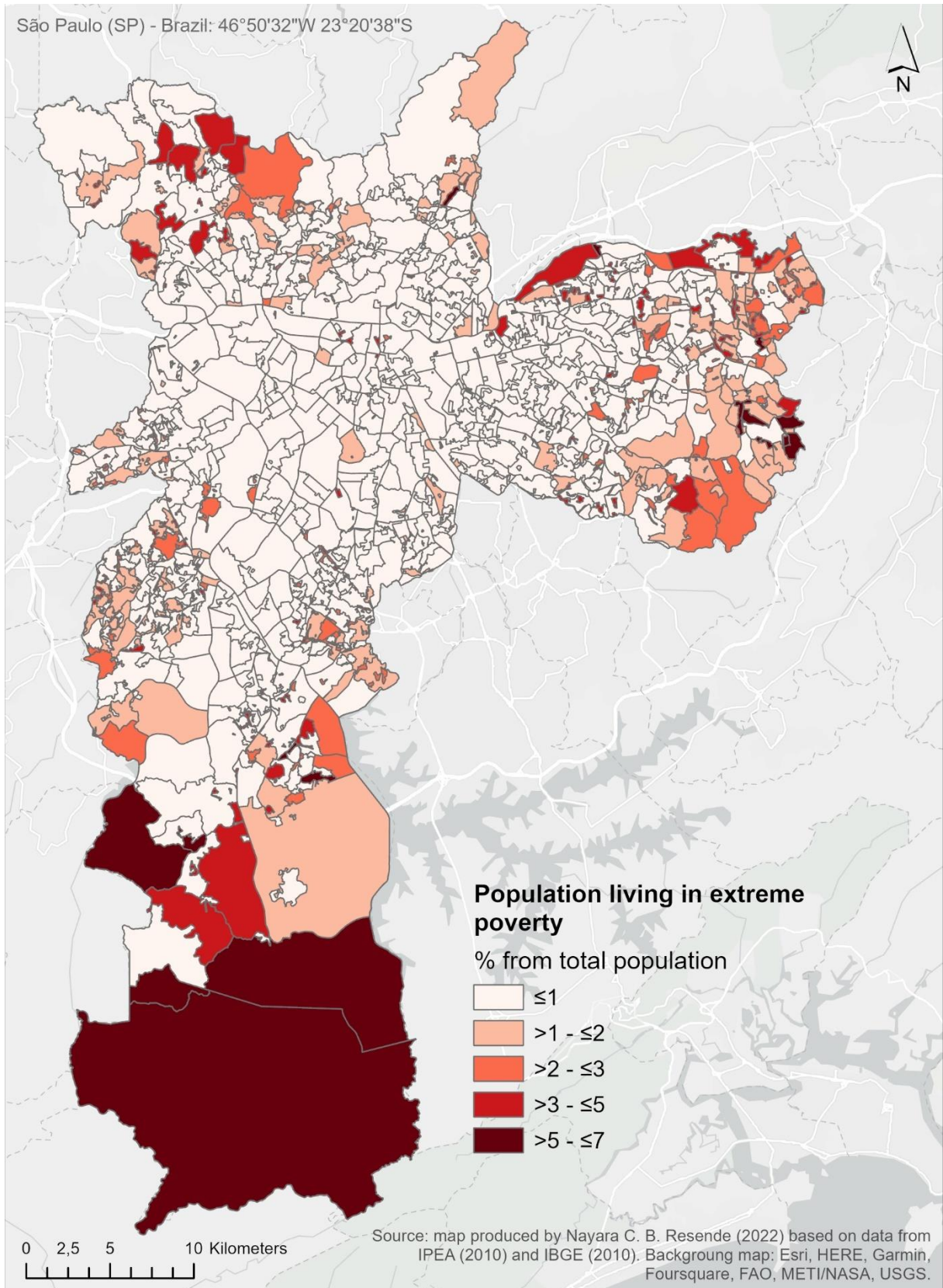


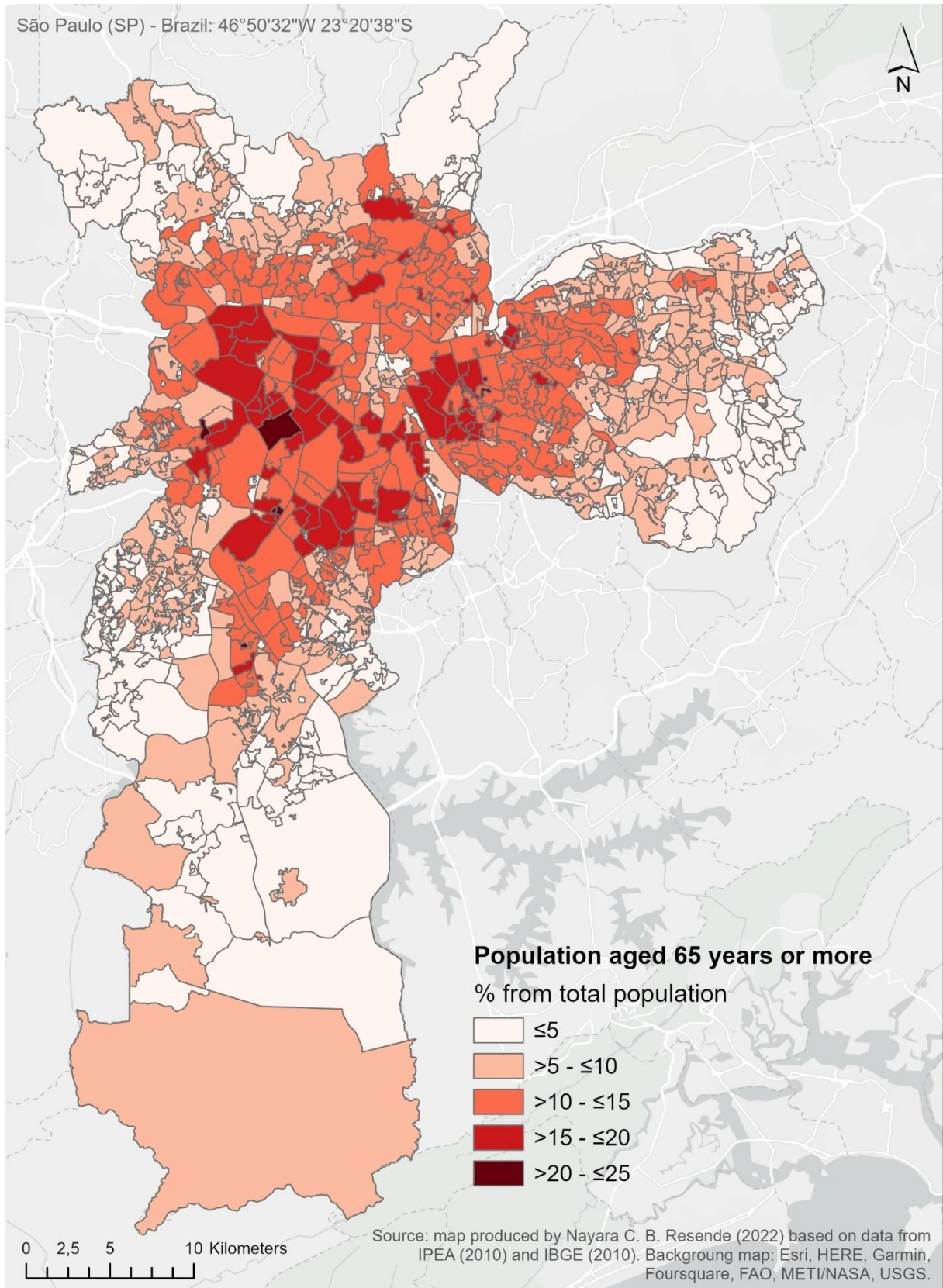












Appendix C

Results from the factor analysis in the software IBM SPSS statistics

Anti-image correlation matrix

	VULN_POV	EXTR_POV	OCCTA	DENS_DORM	PC_INC	FEM_POP	DEP_RATIO	ELD_POP	WAT_SAN	WIT_BATH	GARB_COL	EXT_WALL	UNEMP_RATE	FORM_RATE	FEM_HEAD	FEM_HAUS	WOM_CHILD	WIT_MEN	RES_HOUS	ILL_RATE	SECO_EDU	INF_MORT	LIFE_EXP	BLA_POP	PAR_POP	IND_POP
VULN_POV	.965	-0.329	0.013	-0.031	0.156	-0.005	0.044	-0.046	0.011	-0.199	-0.178	-0.240	-0.078	-0.004	-0.136	0.046	0.001	-0.008	0.037	-0.118	-0.013	-0.164	-0.019	0.019	0.043	
EXTR_POV	-0.329	.945	0.005	-0.088	-0.026	-0.017	0.031	0.002	-0.016	-0.060	0.092	-0.154	0.045	0.008	0.053	-0.055	-0.011	-0.029	0.000	0.013	-0.329	0.322	0.049	0.012	-0.075	
OCCTA	0.013	0.005	.964	0.003	-0.020	-0.006	0.050	0.017	-0.096	-0.091	-0.002	-0.017	-0.055	0.045	-0.028	0.028	-0.037	-0.096	-0.026	0.063	-0.062	0.041	-0.027	-0.008	0.015	
DENS_DORM	-0.031	-0.088	0.003	.953	-0.078	0.047	-0.010	0.070	-0.046	-0.047	-0.058	-0.116	-0.183	0.125	-0.206	-0.033	-0.142	-0.087	-0.049	-0.436	0.210	-0.229	-0.018	0.057	0.003	
PC_INC	0.156	-0.026	-0.020	-0.078	.940	-0.042	0.065	-0.015	-0.037	0.048	0.047	-0.088	0.015	-0.103	0.127	-0.043	0.146	0.072	0.055	-0.271	0.204	-0.211	-0.086	0.050	-0.054	
FEM_POP	-0.005	-0.017	-0.006	0.047	-0.042	.958	-0.024	0.010	0.049	0.022	-0.058	0.059	0.085	-0.031	-0.005	0.023	0.015	0.059	0.060	0.009	-0.040	0.029	-0.103	0.026	0.029	
DEP_RATIO	-0.086	-0.020	-0.038	-0.010	0.065	-0.024	.945	-0.266	0.086	-0.067	-0.067	-0.014	-0.010	-0.031	0.034	-0.001	0.062	-0.106	-0.332	-0.031	0.028	-0.028	0.031	0.124	0.002	
ELD_POP	0.044	0.031	0.050	-0.012	0.029	-0.286	-0.266	.928	0.027	-0.007	0.017	0.075	0.003	-0.066	-0.004	-0.032	-0.058	-0.173	0.225	-0.045	-0.063	0.092	0.116	0.190	0.007	
WAT_SAN	-0.046	0.002	0.017	0.070	-0.015	0.010	0.066	0.027	.956	0.030	-0.141	-0.268	0.025	-0.123	-0.100	0.109	-0.006	-0.044	-0.029	0.018	-0.007	-0.003	0.075	-0.019	-0.129	
WIT_BATH	0.011	-0.016	-0.096	-0.046	-0.037	0.049	-0.007	0.030	.941	-0.050	-0.015	0.012	-0.039	0.069	0.026	0.023	-0.081	-0.092	-0.092	0.021	-0.066	0.064	0.085	-0.150	-0.153	
GARB_COL	-0.199	-0.060	-0.091	-0.047	0.048	0.022	-0.067	-0.141	-0.050	.927	-0.400	-0.007	0.027	-0.028	0.041	-0.056	0.014	0.043	0.063	-0.018	0.101	-0.025	0.018	-0.024	0.093	
EXT_WALL	-0.178	0.092	-0.002	-0.058	0.047	-0.058	-0.067	0.075	-0.268	-0.015	-0.400	.906	-0.272	-0.045	-0.078	-0.132	0.026	0.042	0.004	0.010	-0.148	0.203	0.054	-0.021	0.043	
UNEMP_RATE	-0.240	-0.154	-0.017	-0.116	-0.088	0.059	-0.014	0.003	0.025	0.012	-0.007	-0.272	.970	0.051	0.180	0.055	0.007	0.017	0.023	0.027	0.055	-0.046	-0.055	-0.006	0.057	
FORM_RATE	-0.078	0.045	-0.055	-0.183	0.015	0.085	-0.010	-0.161	-0.123	-0.039	0.027	-0.045	0.051	.953	0.077	0.118	-0.154	-0.084	0.024	-0.177	-0.130	0.155	0.052	0.053	-0.021	
FEM_HEAD	-0.004	0.008	0.045	0.125	-0.103	-0.031	-0.031	0.006	0.014	0.069	-0.028	-0.040	0.077	.738	0.030	0.030	-0.013	-0.966	-0.554	-0.070	-0.022	0.023	-0.034	-0.118	0.018	
FEM_HAUS	-0.136	0.053	-0.028	-0.206	0.127	-0.005	0.034	-0.004	-0.100	0.026	0.041	-0.078	0.118	0.118	.967	-0.019	-0.042	0.024	0.024	-0.328	-0.112	0.101	0.054	-0.078	-0.042	
WOM_CHILD	0.046	-0.055	0.028	-0.033	-0.043	0.023	-0.001	-0.032	0.109	0.023	-0.056	-0.132	0.055	-0.154	-0.019	.965	0.024	0.031	0.039	-0.074	-0.141	0.118	-0.027	-0.030	0.011	
WIT_MEN	0.001	-0.011	-0.037	-0.142	0.146	0.015	0.062	-0.006	0.023	-0.081	0.014	0.026	0.007	-0.084	-0.042	0.024	.714	0.510	-0.023	0.122	0.029	-0.034	-0.016	0.137	-0.035	
RES_HOUS	-0.008	-0.029	-0.096	-0.087	0.072	0.059	-0.106	-0.044	-0.092	0.043	0.042	0.017	-0.094	-0.094	0.024	0.031	0.510	.762	0.011	0.008	-0.036	0.041	-0.377	-0.507	-0.112	
ILL_RATE	0.037	0.000	-0.026	-0.049	0.055	0.060	-0.332	0.225	-0.029	-0.092	0.063	0.004	0.023	0.024	-0.034	0.039	-0.023	0.011	.969	-0.065	-0.031	-0.004	0.048	-0.008	0.016	
SECO_EDU	-0.118	0.013	0.063	-0.436	-0.271	0.009	-0.031	-0.045	0.018	0.021	-0.018	0.010	0.027	-0.177	-0.070	-0.328	-0.074	0.122	-0.065	.933	0.312	-0.320	-0.018	-0.008	0.020	
INF_MORT	-0.013	-0.329	-0.062	0.210	0.204	-0.040	0.028	-0.063	-0.007	-0.066	0.101	-0.148	0.055	-0.130	-0.022	-0.112	-0.141	0.029	-0.036	0.312	.868	-0.966	0.053	0.065	-0.016	
LIFE_EXP	-0.164	0.322	0.041	-0.229	-0.018	0.057	0.002	0.092	0.065	0.025	-0.024	0.043	0.053	0.155	0.023	0.101	0.118	0.041	-0.004	-0.320	-0.966	.867	-0.039	-0.076	0.012	
BLA_POP	-0.019	0.049	-0.027	-0.018	-0.086	-0.103	0.031	0.116	0.075	0.085	0.018	-0.021	-0.055	0.052	-0.034	0.054	-0.027	-0.016	-0.377	0.048	0.053	-0.039	.926	-0.206	0.056	
PAR_POP	0.019	0.012	-0.008	0.057	0.050	0.026	0.124	0.190	-0.019	-0.150	-0.024	0.043	-0.006	0.053	-0.118	-0.078	0.137	-0.507	-0.008	-0.008	0.065	-0.076	-0.206	.885	0.026	
IND_POP	0.043	-0.075	0.015	0.003	-0.054	0.029	0.002	0.007	-0.129	-0.153	0.093	-0.055	0.057	-0.021	0.018	-0.042	0.011	-0.035	-0.112	0.016	0.020	0.012	0.056	0.026	.892	

Communalities		
	Initial	Extraction
VULN_POV	1,000	0,946
PC_INC	1,000	0,636
WAT_SAN	1,000	0,585
GARB_COL	1,000	0,717
UNEMP_RATE	1,000	0,768
FORM_RATE	1,000	0,507
FEM_HAUS	1,000	0,858
DENS_DORM	1,000	0,926
EXT_WALL	1,000	0,811
ILL_RATE	1,000	0,634
SECO_EDU	1,000	0,930
INF_MORT	1,000	0,891
LIFE_EXP	1,000	0,924
ELD_POP	1,000	0,535
EXTR_POV	1,000	0,689
BLA_POP	1,000	0,909
PAR_POP	1,000	0,906
FEM_HEAD	1,000	0,930
WIT_MEN	1,000	0,744
RES_HOUS	1,000	0,934
Extraction Method: Principal Component Analysis.		

Total variance explained									
Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	10,152	50,761	50,761	10,152	50,761	50,761	8,082	40,410	40,410
2	3,997	19,984	70,745	3,997	19,984	70,745	4,005	20,025	60,435
3	1,630	8,150	78,895	1,630	8,150	78,895	3,692	18,460	78,895
4	0,769	3,847	82,742						
5	0,737	3,684	86,425						
6	0,511	2,554	88,979						
7	0,406	2,032	91,011						
8	0,394	1,972	92,983						
9	0,331	1,656	94,639						
10	0,273	1,365	96,004						
11	0,250	1,248	97,252						
12	0,189	0,947	98,199						
13	0,131	0,655	98,854						
14	0,070	0,349	99,203						
15	0,062	0,310	99,513						
16	0,031	0,157	99,670						
17	0,030	0,148	99,818						
18	0,026	0,128	99,946						
19	0,009	0,045	99,991						
20	0,002	0,009	100,000						
Extraction method: Principal Component Analysis.									

Component matrix ^a			
	Component		
	1	2	3
VULN_POV	0,970	0,062	0,021
PC_INC	0,668	0,063	-0,431
WAT_SAN	0,613	-0,027	0,457
GARB_COL	0,573	-0,069	0,620
UNEMP_RATE	0,865	0,049	0,131
FORM_RATE	0,691	0,009	0,172
FEM_HAUS	0,922	0,054	-0,064
DENS_DORM	0,954	0,075	-0,104
EXT_WALL	0,647	-0,111	0,617
ILL_RATE	0,782	0,054	-0,138
SECO_EDU	0,946	0,085	-0,167
INF_MORT	0,932	0,079	-0,126
LIFE_EXP	0,944	0,091	-0,160
ELD_POP	-0,669	0,016	0,294
EXTR_POV	0,816	0,015	0,154
BLA_POP	0,004	0,949	-0,092
PAR_POP	0,091	0,940	-0,118
FEM_HEAD	-0,304	0,887	0,226
WIT_MEN	-0,419	0,659	0,366
RES_HOUS	0,029	0,964	-0,053
Extraction method: Principal Component Analysis.			
a. 3 components extracted.			

Rotated component matrix ^a			
	Component		
	1	2	3
VULN_POV	0,838	0,008	0,493
PC_INC	0,796	-0,006	-0,049
WAT_SAN	0,307	-0,030	0,700
GARB_COL	0,190	-0,057	0,823
UNEMP_RATE	0,692	0,008	0,537
FORM_RATE	0,517	-0,019	0,489
FEM_HAUS	0,837	-0,004	0,396
DENS_DORM	0,886	0,012	0,376
EXT_WALL	0,252	-0,103	0,858
ILL_RATE	0,752	-0,001	0,263
SECO_EDU	0,911	0,019	0,317
INF_MORT	0,878	0,016	0,346
LIFE_EXP	0,906	0,025	0,321
ELD_POP	-0,724	0,076	-0,074
EXTR_POV	0,635	-0,021	0,534
BLA_POP	0,130	0,938	-0,111
PAR_POP	0,217	0,923	-0,090
FEM_HEAD	-0,299	0,917	0,017
WIT_MEN	-0,487	0,706	0,090
RES_HOUS	0,133	0,955	-0,065
Extraction method: Principal Component Analysis. Rotation method: Varimax with Kaiser normalisation.			
a. Rotation converged in 5 iterations.			

Component Score Coefficient Matrix			
	Component		
	1	2	3
VULN_POV	0,078	0,011	0,058
PC_INC	0,187	-0,007	-0,198
WAT_SAN	-0,085	0,010	0,274
GARB_COL	-0,138	0,007	0,359
UNEMP_RATE	0,036	0,013	0,111
FORM_RATE	0,008	0,006	0,125
FEM_HAUS	0,099	0,005	0,010
DENS_DORM	0,114	0,009	-0,010
EXT_WALL	-0,131	-0,004	0,361
ILL_RATE	0,109	0,003	-0,036
SECO_EDU	0,133	0,009	-0,044
INF_MORT	0,119	0,009	-0,023
LIFE_EXP	0,131	0,010	-0,041
ELD_POP	-0,145	0,021	0,124
EXTR_POV	0,024	0,006	0,121
BLA_POP	0,048	0,232	-0,057
PAR_POP	0,063	0,229	-0,067
FEM_HEAD	-0,075	0,233	0,098
WIT_MEN	-0,131	0,183	0,170
RES_HOUS	0,039	0,238	-0,035
Extraction method: Principal Component Analysis. Rotation method: Varimax with Kaiser normalisation.			

Appendix D

Data used for the construction of the social vulnerability index

CODE_AREA	VULN_POV	EXTR_POV	OCC_STA	DENS_DORM	PC_INC	FEM_POP	DEP_RATIO	ELD_POP	WAT_SAN	WIT_BATH	GARB_COL	EXT_WALL	UNEMP_RATE	FORM_RATE	FEM_HEAD	FEM_HAUS	WOM_CHILD	WIT_MEN	RES_HOUS	ILL_RATE	SECO_EDU	INF_MORT	LIFE_EXP	BLA_POP	PAR_POP	IND_POP
1355030801001	4.56	0.12	11	17.99	1801.17	53.74	41.54	14.20	0.00	1	0.00	0.42	3.51	71.84	2455	14.34	1.56	1024	252	1.41	60.51	0.00	79.91	614	1978	2
1355030801002	4.41	0.55	30	16.51	2000.87	54.15	40.70	13.69	0.00	1	0.00	0.00	5.05	71.80	3239	12.64	0.00	1281	288	1.26	63.14	8.10	80.04	657	2337	18
1355030801003	14.35	0.06	12	33.30	890.75	53.29	42.74	14.42	0.27	0	0.00	0.14	6.67	69.07	1509	19.39	0.30	454	228	2.16	44.23	11.80	77.05	379	1419	7
1355030801004	7.84	0.00	42	27.93	1233.65	53.05	42.11	13.16	0.00	4	0.00	0.00	4.85	69.15	3713	20.40	0.00	1366	561	2.04	44.47	8.60	79.61	1202	4300	10
1355030801005	12.54	0.94	2	29.87	1180.17	53.00	43.09	13.59	0.00	0	0.00	0.00	7.41	66.26	746	24.87	1.71	279	144	2.61	47.05	8.60	79.56	252	1212	0
1355030801006	4.41	0.55	2	16.51	2000.87	53.09	42.09	14.25	0.00	0	0.00	0.00	5.05	71.80	501	12.64	0.00	147	68	1.29	63.14	8.10	80.04	99	342	0
1355030801007	5.26	0.26	0	25.25	1268.02	52.64	50.64	22.60	0.00	0	0.00	0.28	4.18	70.98	139	23.69	1.66	44	14	0.85	55.21	8.60	79.62	15	57	1
1355030801008	2.53	0.35	2	12.53	2831.18	52.21	36.98	11.26	0.00	0	0.00	0.00	6.55	77.08	1027	0.00	0.00	319	66	0.84	69.30	7.50	80.62	79	329	3
1355030801009	5.26	0.26	2	25.25	1268.02	54.97	41.00	13.62	0.00	0	0.00	0.28	4.18	70.98	459	23.69	1.66	139	41	1.74	55.21	8.60	79.62	119	393	0
1355030801010	14.35	0.06	1	33.30	890.75	51.07	47.50	11.98	0.27	0	0.00	0.14	6.67	69.07	100	19.39	0.30	34	31	3.82	44.23	11.80	77.05	36	234	0
1355030801011	14.35	0.06	2	33.30	890.75	52.66	42.13	4.99	0.27	0	0.00	0.14	6.67	69.07	87	19.39	0.30	17	32	4.76	44.23	11.80	77.05	133	332	3
1355030801012	5.26	0.26	47	25.25	1268.02	52.83	44.78	13.84	0.00	0	0.00	0.28	4.18	70.98	761	23.69	1.66	256	137	1.77	55.21	8.60	79.62	295	1148	22
1355030801013	5.26	0.26	11	25.25	1268.02	52.51	40.24	13.77	0.00	0	0.00	0.28	4.18	70.98	248	23.69	1.66	87	35	1.82	55.21	8.60	79.62	82	324	0
1355030801014	2.53	0.35	6	12.53	2831.18	53.16	39.54	11.14	0.00	2	0.00	0.00	6.55	77.08	1648	0.00	0.00	726	205	1.18	69.30	7.50	80.62	485	1314	10
1355030801015	10.50	0.51	11	34.96	871.77	52.10	42.46	9.24	0.00	1	0.00	0.24	10.28	69.12	2356	27.43	2.43	630	495	2.94	42.57	10.60	77.92	1273	5477	10
1355030801016	38.11	6.52	0	60.90	413.19	50.55	55.11	5.68	0.11	0	0.00	0.48	16.77	69.53	70	62.22	2.58	11	24	3.92	26.43	24.70	69.55	37	256	0
1355030801017	38.11	6.52	1	60.90	413.19	50.99	47.40	3.27	0.11	0	0.00	0.48	16.77	69.53	110	62.22	2.58	26	47	9.79	26.43	24.70	69.55	81	536	0
1355030801018	36.02	3.24	82	59.05	415.46	52.73	59.76	3.76	1.07	0	1.62	4.30	12.01	66.12	146	56.56	9.28	32	48	8.64	21.71	24.60	69.58	76	573	0
1355030801019	10.50	0.51	4	34.96	871.77	53.02	44.16	10.06	0.00	0	0.00	0.24	10.28	69.12	650	27.43	2.43	202	134	3.04	42.57	10.60	77.92	365	1640	3
1355030801020	36.81	3.24	4	57.62	462.01	52.25	41.79	7.75	0.41	1	0.99	5.53	14.24	62.45	513	54.24	0.43	95	56	5.49	21.10	22.30	70.69	149	861	0
1355030801021	4.56	0.12	5	17.99	1801.17	53.01	40.57	11.10	0.00	0	0.00	0.42	3.51	71.84	1277	14.34	1.56	424	146	0.79	60.51	8.20	79.91	239	1070	1
1355030801022	36.02	3.24	126	59.05	415.46	53.22	58.43	3.08	1.07	1	1.62	4.30	12.01	66.12	125	56.56	9.28	31	42	13.68	21.71	24.60	69.58	101	616	2
1355030801023	12.54	0.94	4	29.87	1180.17	51.99	42.43	12.18	0.00	0	0.00	0.00	7.41	66.26	886	24.87	1.71	233	162	2.28	47.05	8.60	79.56	330	1172	9
1355030801024	2.53	0.35	2	12.53	2831.18	52.25	34.39	4.66	0.00	0	0.00	0.00	6.55	77.08	420	0.00	0.00	103	19	0.80	69.30	7.50	80.62	98	332	0
1355030801025	2.53	0.35	1	12.53	2831.18	51.63	30.01	5.64	0.00	0	0.00	0.00	6.55	77.08	127	0.00	0.00	55	8	0.43	69.30	7.50	80.62	132	243	0
1355030801026	14.35	0.06	12	33.30	890.75	52.65	41.49	8.93	0.27	0	0.00	0.14	6.67	69.07	2877	19.39	0.30	815	448	2.91	44.23	11.80	77.05	1493	5944	24
1355030801027	10.50	0.51	13	34.96	871.77	52.33	41.58	10.47	0.00	6	0.00	0.24	10.28	69.12	2430	27.43	2.43	788	449	2.56	42.57	10.60	77.92	1367	4533	8
1355030801028	10.50	0.51	1	34.96	871.77	53.63	42.76	11.53	0.00	0	0.00	0.24	10.28	69.12	511	27.43	2.43	209	74	1.84	42.57	10.60	77.92	280	943	1
1355030801029	12.54	0.94	9	29.87	1180.17	53.66	43.12	13.95	0.00	1	0.00	0.00	7.41	66.26	1872	24.87	1.71	624	256	2.08	47.05	8.60	79.56	757	1963	5
1355030801030	5.26	0.26	11	25.25	1268.02	53.74	40.94	14.42	0.00	0	0.00	0.28	4.18	70.98	1474	23.69	1.66	525	173	2.53	55.21	8.60	79.62	377	1294	6
1355030801031	12.54	0.94	6	29.87	1180.17	53.29	40.80	12.21	0.00	0	0.00	0.00	7.41	66.26	414	24.87	1.71	167	69	1.99	47.05	8.60	79.56	183	665	0
1355030801032	14.35	0.06	11	33.30	890.75	52.50	44.20	13.49	0.27	0	0.00	0.14	6.67	69.07	711	19.39	0.30	229	133	2.04	44.23	11.80	77.05	335	999	0
1355030801033	5.26	0.26	6	25.25	1268.02	54.58	42.85	15.13	0.00	0	0.00	0.28	4.18	70.98	913	23.69	1.66	378	124	1.54	55.21	8.60	79.62	264	723	10
1355030801034	27.72	0.49	1	49.68	510.82	52.30	45.82	10.07	0.00	0	0.28	1.51	7.89	71.35	184	62.75	2.21	46	49	3.05	25.61	18.90	72.50	24	492	1
1355030802001	2.50	0.00	40	4.95	13802.96	54.21	41.25	12.99	0.00	0	0.00	0.00	5.04	75.44	3735	10.48	0.00	1396	563	0.83	79.33	5.70	82.41	721	2555	21
1355030802002	2.06	0.22	17	5.05	4452.87	54.79	42.59	17.98	0.00	0	0.00	0.00	2.93	73.47	1671	7.18	0.00	761	157	0.76	82.90	6.80	81.28	381	981	14
1355030802003	2.06	0.22	8	5.05	4452.87	53.12	41.11	10.90	0.00	0	0.00	0.00	2.93	73.47	1361	7.18	0.00	452	98	0.94	82.90	6.80	81.28	174	781	1
1355030802004	3.00	0.00	18	11.21	2469.05	53.37	35.91	11.08	0.17	0	0.00	0.32	4.96	76.92	2628	19.79	0.00	893	245	1.29	72.17	7.70	80.43	699	2918	15
1355030802005	1.64	0.00	6	7.28	3129.76	52.95	28.96	7.06	0.14	0	0.00	0.32	2.86	77.44	1725	12.44	1.42	553	73	0.47	77.47	7.20	80.84	295	685	5
1355030802006	5.63	0.21	5	22.74	1541.49	52.58	40.26	11.87	0.00	0	0.00	0.30	4.62	73.03	441	21.28	0.00	128	88	1.64	58.51	8.40	79.81	229	881	7
1355030802007	8.99	0.22	3	25.20	1165.34	52.51	38.06	10.49	0.00	0	0.00	0.54	7.09	77.36	418	20.79	1.89	127	50	2.23	51.16	8.70	79.52	188	680	7
1355030802008	1.28	0.00	8	5.98	3380.61	52.65	32.86	8.85	0.00	0	0.00	0.45	5.38	81.88	1999	4.77	0.00	841	130	0.79	79.26	7.10	80.96	384	1401	23
1355030802009	13.78	1.12	15	37.19	825.75	52.25	38.83	6.96	0.00	1	0.00	0.14	9.86	70.88	1296	31.58	5.31	360	274	3.92	41.30	11.30	77.38	872	3841	19
1355030802010	24.73	0.93	1	45.41	572.22	53.22	38.65	5.77	0.00	0	0.00	1.67	7.24	80.04	424	53.07	2.07	113	86	3.96	29.93	15.90	74.23	263	1380	11

1355030802011	10,67	0,45	3	33,78	955,25	52,75	41,07	8,46	0,32	0	1,19	1,95	6,87	69,69	1495	31,25	2,10	380	247	2,61	48,58	9,80	78,62	10,18	32,57	0
1355030802012	32,99	2,63	25	57,72	448,78	50,35	50,06	2,16	5,82	5	0,24	12,21	10,97	67,56	684	61,01	3,98	135	185	10,28	19,01	23,40	70,14	60,7	2142	355
1355030802013	32,99	2,63	0	57,72	448,78	50,45	45,65	1,81	5,82	0	0,24	12,21	10,97	67,56	230	60,17	3,98	48	59	9,92	19,01	23,40	70,14	273	768	25
1355030802014	26,18	2,69	17	58,24	588,48	51,45	44,57	1,99	7,04	1	0,67	1,45	8,25	67,22	1296	60,17	0,84	223	212	9,36	22,94	17,90	73,05	587	4293	8
1355030802015	32,99	2,63	0	57,72	448,78	51,65	27,03	1,02	5,82	3	0,24	12,21	10,97	67,56	210	61,01	3,98	37	179	11,55	19,01	23,40	70,14	123	1878	9
1355030802016	26,18	2,69	2	58,24	588,48	50,85	42,35	1,89	7,04	0	0,67	1,45	8,25	67,22	1273	60,17	0,84	176	392	7,51	22,94	17,90	73,05	767	5541	0
1355030802017	26,18	2,69	11	58,24	588,48	52,80	41,00	2,18	7,04	0	0,67	1,45	8,25	67,22	302	60,17	0,84	77	63	7,79	22,94	17,90	73,05	228	1077	10
1355030802018	32,99	2,63	0	57,72	448,78	50,88	53,56	1,55	5,82	1	0,24	12,21	10,97	67,56	258	61,01	3,98	41	64	9,11	19,01	23,40	70,14	185	1073	0
1355030802019	32,99	2,63	0	57,72	448,78	50,00	45,97	4,00	5,82	0	0,24	12,21	10,97	67,56	165	61,01	3,98	13	46	9,20	19,01	23,40	70,14	77	576	1
1355030802020	24,73	0,93	4	45,41	572,22	50,81	42,25	2,50	0,00	0	0,00	1,67	7,24	80,04	786	53,07	2,07	184	187	4,25	29,93	15,90	74,23	831	2079	34
1355030802021	32,99	2,63	0	57,72	448,78	52,12	41,69	2,05	5,82	0	0,24	12,21	10,97	67,56	191	61,01	3,98	28	86	5,91	19,01	23,40	70,14	97	604	8
1355030802022	32,99	2,63	271	57,72	448,78	50,85	48,44	2,07	5,82	5	0,24	12,21	10,97	67,56	597	61,01	3,98	100	171	10,95	19,01	23,40	70,14	482	2220	17
1355030802023	1,28	0,00	3	5,98	3380,61	52,72	40,08	11,78	0,00	0	0,00	0,45	5,38	81,88	758	4,77	0,00	238	42	0,93	79,26	7,10	80,96	111	346	3
1355030802024	5,16	0,24	1	16,51	1951,61	54,53	44,46	20,77	0,00	0	0,00	0,16	4,69	73,50	833	4,87	2,41	418	54	0,99	62,99	8,10	80,01	240	433	5
1355030802025	24,73	0,93	0	45,41	572,22	53,13	40,00	1,12	0,00	0	0,00	1,67	7,24	80,04	49	53,07	2,07	13	11	3,08	29,93	15,90	74,23	53	287	0
1355030802026	1,64	0,00	4	7,28	3129,76	53,39	29,28	5,86	0,14	0	0,00	0,32	2,86	77,44	470	12,44	1,42	230	32	1,65	77,47	7,20	80,84	117	533	1
1355030802027	3,00	0,00	0	11,21	2469,05	50,19	24,70	4,81	0,17	0	0,00	0,32	4,96	76,92	61	19,79	0,00	12	2	0,00	72,17	7,70	80,43	6	59	0
1355030802028	2,53	0,00	34	8,87	2369,35	53,12	35,07	11,70	0,00	0	0,00	0,00	5,01	72,91	5140	14,56	0,00	1823	419	0,96	71,51	7,80	80,37	1315	4071	36
1355030802029	24,73	0,93	8	45,41	572,22	48,93	46,72	3,49	0,00	0	0,00	1,67	7,24	80,04	106	53,07	2,07	31	27	4,37	29,93	15,90	74,23	128	269	8
1355030802030	5,16	0,24	2	16,51	1951,61	54,58	42,51	19,14	0,00	0	0,00	0,16	4,69	73,50	560	4,87	2,41	253	61	1,13	62,99	8,10	80,01	169	522	10
1355030802031	3,00	0,00	8	11,21	2469,05	47,95	16,71	7,91	0,17	0	0,00	0,32	4,96	76,92	450	19,79	0,00	211	34	0,38	72,17	7,70	80,43	267	606	2
1355030802032	2,50	0,00	0	4,95	1380,22	55,00	42,63	13,77	0,00	0	0,00	0,00	5,04	75,44	38	10,48	0,00	17	10	0,00	79,33	5,70	82,41	24	70	0
1355030802033	26,18	2,69	0	58,24	588,48	51,05	45,97	0,99	7,04	1	0,67	1,45	8,25	67,22	101	60,17	0,84	25	37	7,00	22,94	17,90	73,05	22	601	0
1355030802034	2,06	0,22	15	5,05	4452,87	50,76	27,43	8,39	0,00	0	0,00	0,00	2,93	73,47	599	7,18	0,00	269	25	0,90	82,90	6,80	81,28	125	392	1
1355030802035	5,16	0,24	0	16,51	1951,61	53,71	42,14	11,17	0,00	0	0,00	0,16	4,69	73,50	135	4,87	2,41	56	16	1,82	62,99	8,10	80,01	87	185	3
1355030802036	1,28	0,00	10	5,98	3380,61	55,35	33,56	14,08	0,00	0	0,00	0,45	5,38	81,88	893	4,77	0,00	441	18	0,43	79,26	7,10	80,96	85	339	1
1355030802037	10,67	0,45	14	33,78	955,25	51,94	42,42	7,57	0,32	1	1,19	1,95	6,87	69,69	357	31,25	2,10	105	64	2,31	48,58	9,80	78,62	232	1037	6
1355030802038	2,06	0,22	3	5,05	4452,87	55,00	42,63	13,77	0,00	0	0,00	0,00	2,93	73,47	432	7,18	0,00	140	49	0,50	82,90	6,80	81,28	40	114	2
1355030802039	2,06	0,22	1	5,05	4452,87	52,82	37,99	11,00	0,00	0	0,00	0,00	2,93	73,47	731	7,18	0,00	223	42	1,04	82,90	6,80	81,28	68	299	3
1355030802040	2,06	0,22	0	5,05	4452,87	49,65	35,14	6,38	0,00	0	0,00	0,00	2,93	73,47	52	7,18	0,00	14	2	0,00	82,90	6,80	81,28	1	13	0
1355030802041	26,18	2,69	0	58,24	588,48	50,88	42,89	1,51	7,04	0	0,67	1,45	8,25	67,22	144	60,17	0,84	23	23	7,95	22,94	17,90	73,05	37	440	0
1355030802042	13,78	1,12	2	37,19	825,75	54,27	44,18	8,89	0,00	0	0,00	0,14	9,86	70,88	105	31,58	5,31	29	18	1,49	41,30	11,30	77,38	68	276	0
1355030802043	5,63	0,21	14	22,74	1541,49	53,90	41,46	13,61	0,00	0	0,00	0,30	4,62	73,03	1086	21,28	0,00	362	152	1,64	58,51	8,40	79,81	396	1262	2
1355030802044	5,16	0,24	23	16,51	1951,61	53,78	41,85	15,71	0,00	1	0,00	0,16	4,69	73,50	2179	4,87	2,41	811	232	1,22	62,99	8,10	80,01	545	1841	7
1355030802045	24,73	0,93	22	45,41	572,22	50,50	47,19	2,99	0,00	0	0,00	1,67	7,24	80,04	128	53,07	2,07	19	15	7,26	29,93	15,90	74,23	54	230	0
1355030802046	1,64	0,00	2	7,28	3129,76	52,24	30,72	6,26	0,14	0	0,00	0,32	2,86	77,44	634	12,44	1,42	169	93	0,86	77,47	7,20	80,84	179	597	2
1355030802047	26,18	2,69	0	58,24	588,48	48,83	52,36	4,51	7,04	1	0,67	1,45	8,25	67,22	219	60,17	0,84	48	68	5,18	22,94	17,90	73,05	122	879	11
1355030802048	3,00	0,00	1	11,21	2469,05	49,20	31,73	1,37	0,17	0	0,00	0,32	4,96	76,92	199	19,79	0,00	58	1	0,15	72,17	7,70	80,43	33	136	0
1355030802049	5,63	0,21	10	22,74	1541,49	52,63	36,96	8,08	0,00	0	0,00	0,30	4,62	73,03	1513	21,28	0,00	436	271	1,26	58,51	8,40	79,81	655	2614	14
1355030802050	24,73	0,93	6	45,41	572,22	52,02	43,78	5,21	0,00	1	0,00	1,67	7,24	80,04	753	53,07	2,07	161	121	5,06	29,93	15,90	74,23	395	1941	6
1355030802051	5,16	0,24	2	16,51	1951,61	54,98	35,10	6,65	0,00	0	0,00	0,16	4,69	73,50	27	4,87	2,41	20	7	1,12	62,99	8,10	80,01	1	54	0
1355030802052	5,63	0,21	0	22,74	1541,49	52,90	38,34	8,73	0,00	0	0,00	0,30	4,62	73,03	454	21,28	0,00	126	78	2,39	58,51	8,40	79,81	264	861	29
1355030802053	13,78	1,12	10	37,19	825,75	52,61	37,78	6,38	0,00	0	0,00	0,14	9,86	70,88	475	31,58	5,31	145	128	4,43	41,30	11,30	77,38	306	1329	29
1355030802054	1,64	0,00	3	7,28	3129,76	53,21	30,44	6,42	0,14	0	0,00	0,32	2,86	77,44	1117	12,44	1,42	498	70	0,53	77,47	7,20	80,84	266	889	11
1355030802055	10,67	0,45	3	33,78	955,25	51,89	43,23	9,14	0,32	0	1,19	1,95	6,87	69,69	313	31,25	2,10	92	58	3,54	48,58	9,80	78,62	190	794	0
1355030802056	3,00	0,00	2	11,21	2469,05	52,89	36,67	10,01	0,17	0	0,00	0,32	4,96	76,92	503	19,79	0,00	165	52	1,23	72,17	7,70	80,43	177	590	6
1355030802057	10,67	0,45	11	33,78	955,25	52,94	47,34	9,02	0,32	0	1,19	1,95	6,87	69,69	942	31,25	2,10	233	181	3,98	48,58	9,80	78,62	636	2090	20
1355030802058	8,99	0,22	31	25,20	1165,34	53,17	40,26	10,19	0,00	0	0,00	0,54	7,09	77,36	2030	20,79	1,89	599	390	2,38	51,16	8,70	79,52	1381	4370	15
1355030802059	24,73	0,93	0	45,41	572,22	52,27	42,28	6,96	0,00	0	0,00	1,67	7,24	80,04	318	53,07	2,07	80	71	0,26						

1355030802060	13.78	1.12	1	37.19	825.75	54.74	43.74	9.14	0.00	0.14	9.86	70.88	171	31.58	5.31	53	43	3.66	41.30	11.30	77.38	132	718	0	
1355030802061	26.18	2.69	0	58.24	588.48	53.41	42.96	6.08	0.67	1.45	8.25	67.22	101	60.17	0.84	25	25	9.44	22.94	17.90	73.05	102	425	0	
1355030802062	24.73	0.93	78	45.41	572.22	51.15	47.88	4.80	1.00	1.67	7.24	80.04	387	53.07	2.07	86	128	7.02	29.93	15.90	74.23	436	1533	5	
1355030802063	13.78	1.12	16	37.19	825.75	51.51	41.59	6.22	0.00	0.14	9.86	70.88	304	31.58	5.31	76	68	4.45	41.30	11.30	77.38	291	1141	7	
1355030802064	8.99	0.22	4	25.20	1165.34	52.64	41.38	9.39	0.00	0.54	7.09	77.36	406	20.79	1.89	135	65	3.30	51.16	8.70	79.52	234	970	0	
1355030802065	24.73	0.93	0	45.41	572.22	52.93	46.20	3.78	0.00	1.67	7.24	80.04	287	53.07	2.07	55	69	3.63	29.93	15.90	74.23	176	1264	3	
1355030802066	24.73	0.93	0	45.41	572.22	51.91	39.29	8.23	0.00	1.67	7.24	80.04	132	53.07	2.07	31	36	3.18	29.93	15.90	74.23	76	344	1	
1355030802067	3.00	0.00	0	11.21	2469.05	54.00	23.45	5.21	0.17	0.00	4.96	76.92	52	19.79	0.00	20	2	0.65	72.17	7.70	80.43	17	31	0	
1355030802068	5.63	0.21	0	22.74	1541.49	50.29	28.17	6.72	0.00	0.30	4.62	73.03	125	21.28	0.00	42	23	1.70	58.51	8.40	79.81	59	266	0	
1355030802069	32.99	2.63	0	57.72	448.78	51.93	54.29	1.80	0.24	12.21	10.97	67.56	543	61.01	3.98	92	218	8.29	19.01	23.40	70.14	332	2592	0	
1355030802070	32.99	2.63	6	57.72	448.78	51.58	49.49	2.53	0.24	12.21	10.97	67.56	608	61.01	3.98	108	170	4.44	19.01	23.40	70.14	552	2329	5	
1355030802071	24.73	0.93	0	45.41	572.22	51.72	44.67	4.45	0.00	1.67	7.24	80.04	262	53.07	2.07	42	66	7.17	29.93	15.90	74.23	181	898	4	
1355030802072	13.78	1.12	8	37.19	825.75	55.07	39.30	5.63	0.00	0.14	9.86	70.88	1387	31.58	5.31	382	116	2.05	41.30	11.30	77.38	867	2792	4	
1355030802073	2.06	0.22	1	5.05	4452.87	51.34	36.67	3.89	0.00	0.00	2.93	73.47	223	7.18	0.00	47	13	0.60	82.90	6.80	81.28	43	202	0	
1355030802074	3.00	0.00	1	11.21	2469.05	54.70	36.61	3.73	0.17	0.32	4.96	76.92	265	19.79	0.00	102	22	1.43	72.17	7.70	80.43	116	479	0	
1355030802075	26.18	2.69	0	58.24	588.48	50.42	39.43	1.98	0.74	1.45	8.25	67.22	211	60.17	0.84	38	58	7.99	22.94	17.90	73.05	193	772	0	
1355030802076	8.99	0.22	4	25.20	1165.34	52.84	35.85	9.05	0.00	0.54	7.09	77.36	655	20.79	1.89	199	109	2.46	51.16	8.70	79.52	287	1325	2	
1355030802077	8.99	0.22	2	25.20	1165.34	54.13	33.26	3.89	0.00	0.54	7.09	77.36	106	20.79	1.89	29	16	3.08	51.16	8.70	79.52	33	282	0	
1355030802078	32.99	2.63	1	57.72	448.78	53.45	43.96	4.76	0.24	12.21	10.97	67.56	262	61.01	3.98	70	51	4.62	19.01	23.40	70.14	235	884	0	
1355030802079	5.16	0.24	5	16.51	1951.61	56.63	30.13	4.44	0.00	0.16	4.69	73.50	795	4.87	2.41	196	101	1.33	62.99	8.10	80.01	396	1589	7	
1355030802080	24.73	0.93	0	45.41	572.22	51.78	46.36	5.73	0.00	1.67	7.24	80.04	113	53.07	2.07	37	27	4.38	29.93	15.90	74.23	124	412	2	
1355030802081	10.67	0.45	5	33.78	955.25	56.04	34.00	5.65	0.32	1.19	1.95	68.69	503	31.25	2.10	208	21	1.49	48.58	9.80	78.62	243	1022	6	
1355030802082	3.00	0.00	2	11.21	2469.05	52.78	33.98	4.57	0.17	0.32	4.96	76.92	505	19.79	0.00	192	13	1.16	72.17	7.70	80.43	164	678	2	
1355030802083	26.18	2.69	1	58.24	588.48	51.08	42.53	2.55	7.04	1.45	8.25	67.22	299	60.17	0.84	81	95	5.81	22.94	17.90	73.05	352	1252	0	
1355030802084	32.99	2.63	32	57.72	448.78	51.39	53.31	2.28	5.82	1.24	10.97	67.56	295	61.01	3.98	44	68	9.26	19.01	23.40	70.14	186	1188	1	
1355030802085	10.67	0.45	0	33.78	955.25	51.28	36.04	6.66	0.32	1.19	1.95	68.69	290	31.25	2.10	76	54	3.67	48.58	9.80	78.62	203	751	1	
1355030802086	26.18	2.69	0	58.24	588.48	52.52	42.33	6.43	7.04	1.45	8.25	67.22	69	60.17	0.84	18	21	4.31	22.94	17.90	73.05	40	257	0	
1355030802087	26.18	2.69	0	58.24	588.48	52.70	44.83	3.39	7.04	1.45	8.25	67.22	390	60.17	0.84	64	59	10.81	22.94	17.90	73.05	236	1009	0	
1355030802088	13.78	1.12	5	37.19	825.75	51.76	39.96	5.00	0.30	0.14	9.86	70.88	998	31.58	5.31	272	199	4.58	41.30	11.30	77.38	716	3418	2	
1355030802089	8.99	0.22	4	25.20	1165.34	53.00	35.92	7.94	0.00	0.54	7.09	77.36	482	20.79	1.89	122	72	2.31	51.16	8.70	79.52	267	1065	6	
1355030802090	24.73	0.93	2	45.41	572.22	51.65	43.65	6.70	0.00	1.67	7.24	80.04	243	53.07	2.07	51	51	5.90	29.93	15.90	74.23	198	680	5	
1355030802091	23.62	1.36	0	54.36	533.99	51.30	42.68	2.61	0.00	0.23	0.99	69.38	62	48.66	3.56	15	22	7.42	30.23	17.20	73.47	24	272	0	
1355030802092	32.99	2.63	0	57.72	448.78	51.79	51.16	1.54	5.82	0.24	12.21	10.97	67.56	79	61.01	3.98	21	25	6.57	19.01	23.40	70.14	97	304	0
1355030803001	29.20	2.44	25	52.50	469.78	49.95	44.80	1.36	1.79	0.00	2.92	8.04	71.97	7445	70.33	5.61	1582	1472	10.05	17.32	20.80	71.45	3621	33128	52
1355030803002	2.42	0.37	63	3.99	6235.10	52.43	36.56	6.09	0.00	1.08	3.31	80.14	3625	5.76	0.00	1372	376	1.08	81.71	6.20	81.87	695	3864	14	
1355030803003	5.30	0.45	74	10.11	3109.22	52.58	33.67	7.01	0.00	1.04	6.56	77.23	2450	11.71	1.17	1077	132	0.77	68.49	7.30	80.80	382	1806	9	
1355030803004	17.46	1.43	10	41.61	730.19	51.83	40.41	5.17	0.00	0.56	8.28	68.72	2217	38.37	0.00	626	397	5.12	38.06	12.90	76.25	1325	7608	47	
1355030803005	15.53	1.56	30	30.01	746.33	52.79	38.07	4.41	0.00	0.44	7.57	72.24	2553	36.48	0.81	748	366	3.61	46.29	12.70	76.41	1717	7323	52	
1355030803006	17.06	0.43	69	40.60	668.21	52.80	41.45	5.30	0.51	0.75	7.02	73.18	2500	43.73	1.83	639	407	4.33	32.63	13.70	75.66	1369	8061	18	
1355030803007	18.31	2.97	163	41.67	639.34	52.13	39.82	5.16	0.00	0.27	1.73	8.51	71.78	3860	43.57	1.06	1088	718	3.37	27.49	14.40	75.22	2057	15310	40
1355030803008	16.96	1.17	96	38.22	683.19	52.48	43.05	4.68	0.00	1.07	0.08	68.68	1200	36.39	0.99	362	281	4.15	37.30	13.30	75.95	822	5168	9	
1355030803009	6.19	0.27	34	21.07	1650.19	52.72	38.54	7.92	0.00	0.20	5.07	73.19	3835	20.80	1.07	997	621	2.74	59.07	8.30	79.85	1896	8877	36	
1355030803010	17.06	0.43	4	40.60	668.21	51.74	41.51	4.75	0.51	0.75	7.02	73.18	2029	43.73	1.83	597	437	3.19	32.63	13.70	75.66	1450	7719	18	
1355030803011	6.19	0.27	4	21.07	1650.19	52.34	33.38	3.76	0.00	0.20	5.07	73.19	2108	20.80	1.07	574	115	0.84	59.07	8.30	79.85	754	3604	10	
1355030803012	28.92	2.30	308	48.30	471.73	51.76	45.87	3.00	1.33	2.34	8.27	73.76	699	41.64	0.80	130	127	6.93	31.72	20.60	71.58	707	2533	0	
1355030803013	17.03	0.51	24	40.05	642.16	52.16	40.70	3.08	0.10	0.00	9.31	73.58	2489	29.73	3.36	730	462	3.38	35.81	14.40	75.24	1675	10484	5	
1355030803014	22.32	0.73	19	40.87	629.19	52.06	37.81	3.58	0.00	0.00	6.76	72.08	3255	43.18	4.26	743	416	3.67	35.18	14.40	75.19	2082	8368	34	
1355030803015	17.17	1.79	3	42.87	806.43	52.26	41.75	3.73	0.17	0.00	1.22	8.18	70.22	1573	46.59	0.00	409	312	5.23	28.92	12.40	76.63	908	6052	8
1355030803016	29.12	3.74	2	59.93	618.21	51.53	36.54	0.94	0.91	1.42	7.55	72.48	193	49.02	1.76	72	154	1.98	23.26	17.40	73.33	98	2169	1	

1355030803017	29,12	3,74	57	59,93	618,21	52,64	47,44	2,67	0,91	0	1,42	2,31	7,55	72,48	689	49,02	1,76	135	124	8,16	23,26	17,40	73,33	422	2058	1
1355030803018	23,04	0,88	12	48,80	528,13	51,29	43,05	3,79	0,25	1	0,00	0,00	7,60	75,80	1928	47,63	2,52	431	325	5,17	31,64	17,60	73,25	1063	6252	13
1355030803019	28,92	2,30	49	48,30	471,73	51,35	47,46	2,89	1,33	0	3,47	1,12	8,27	73,76	426	41,64	1,80	88	106	7,29	31,72	20,60	71,58	404	1615	4
1355030803020	5,30	0,45	0	10,11	3109,22	52,63	33,58	1,88	0,00	0	0,00	1,04	6,56	77,23	133	11,71	1,17	54	8	0,73	68,49	7,30	80,80	97	407	0
1355030803021	17,03	0,51	0	40,05	642,16	53,66	34,43	4,18	0,10	0	0,00	0,00	9,31	73,58	102	29,73	3,36	24	11	4,21	35,81	14,40	75,24	13	355	1
1355030803022	5,30	0,45	7	10,11	3109,22	52,18	37,37	12,27	0,00	0	0,00	1,04	6,56	77,23	186	11,71	1,17	93	29	3,25	68,49	7,30	80,80	81	467	0
1355030803024	22,17	1,79	7	42,87	806,43	50,08	45,20	3,05	0,17	0	0,00	1,22	8,18	70,22	450	46,59	0,00	112	104	4,46	28,92	12,40	76,63	220	2305	0
1355030803025	29,12	3,74	1	59,93	618,21	49,69	57,82	1,51	0,91	0	1,42	2,31	7,55	72,48	261	49,02	1,76	40	68	9,15	23,26	17,40	73,33	208	855	5
1355030803026	28,92	2,30	101	48,30	471,73	52,86	49,34	1,54	1,33	0	3,47	1,12	8,27	73,76	38	41,64	0,80	15	17	6,43	31,72	20,60	71,58	22	246	0
1355030803027	5,30	0,45	6	10,11	3109,22	52,53	42,97	9,71	0,00	0	0,00	1,04	6,56	77,23	748	11,71	1,17	231	107	2,44	68,49	7,30	80,80	371	1545	4
1355030803028	11,72	0,00	0	32,83	903,61	52,07	41,90	8,49	0,00	0	0,00	0,13	7,09	71,96	193	27,04	0,00	66	31	4,07	45,55	11,00	77,65	100	520	0
1355030803029	11,72	0,00	0	32,83	903,61	50,94	44,89	1,98	0,00	0	0,00	0,13	7,09	71,96	225	27,04	0,00	46	52	9,86	45,55	11,00	77,65	150	884	1
1355030803030	23,04	0,88	1	48,80	528,13	51,61	43,73	4,05	0,25	0	0,00	0,00	7,60	75,80	223	47,63	2,52	56	44	5,24	31,64	17,60	73,25	83	786	0
1355030803031	28,92	2,30	8	48,30	471,73	50,66	38,04	4,62	1,33	0	3,47	1,12	8,27	73,76	188	41,64	0,80	27	41	7,39	31,72	20,60	71,58	71	645	3
1355030803032	17,03	0,51	7	40,05	642,16	50,48	45,37	3,02	0,10	0	0,00	0,00	9,31	73,58	252	29,73	3,36	50	54	8,61	35,81	14,40	75,24	129	1148	1
1355030803033	28,92	2,30	1	48,30	471,73	52,96	45,99	3,17	1,33	0	3,47	1,12	8,27	73,76	276	41,64	0,80	67	55	5,46	31,72	20,60	71,58	173	901	0
1355030803034	23,04	0,88	1	48,80	528,13	51,43	44,98	2,91	0,25	0	0,00	0,00	7,60	75,80	927	47,63	2,52	177	165	3,91	31,64	17,60	73,25	692	3064	1
1355030803035	29,36	1,25	10	48,60	477,79	51,95	45,73	3,00	0,05	2	0,62	0,26	6,72	71,00	636	50,04	0,77	139	193	7,75	25,56	20,40	71,69	492	2275	8
1355030803036	29,12	3,74	0	59,93	618,21	54,08	43,01	2,91	0,91	0	1,42	2,31	7,55	72,48	241	49,02	1,76	36	37	4,77	23,26	17,40	73,33	257	425	2
1355030803037	29,12	3,74	15	59,93	618,21	51,37	43,99	3,81	0,91	1	1,42	2,31	7,55	72,48	804	49,02	1,76	141	160	8,08	23,26	17,40	73,33	492	2780	1
1355030803038	28,92	2,30	34	48,30	471,73	51,40	45,86	2,49	1,33	0	3,47	1,12	8,27	73,76	802	41,64	0,80	170	145	7,55	31,72	20,60	71,58	545	2879	11
1355030803039	29,12	3,74	9	59,93	618,21	52,70	48,37	1,89	0,91	1	1,42	2,31	7,55	72,48	369	49,02	1,76	73	102	6,30	23,26	17,40	73,33	252	1772	1
1355030803040	17,32	0,73	4	40,87	629,19	52,33	39,64	3,61	0,00	0	0,00	0,00	6,76	72,08	627	43,18	4,26	144	121	2,50	35,18	14,40	75,19	439	2075	4
1355030803041	15,53	1,56	5	30,01	746,33	53,43	39,15	6,52	0,00	0	0,00	0,44	7,57	72,24	1283	36,48	0,81	419	159	3,11	46,29	12,70	76,41	783	3636	16
1355030803042	17,03	0,51	16	40,05	642,16	52,03	41,20	6,43	0,10	0	0,00	0,00	9,31	73,58	547	29,73	3,36	126	75	4,91	35,81	14,40	75,24	318	1882	0
1355030803043	22,17	1,79	1	42,87	806,43	52,57	43,71	4,20	0,17	1	0,00	1,22	8,18	70,22	1180	46,59	0,00	282	188	5,53	28,92	12,40	76,63	665	3311	7
1355030803044	11,72	0,00	118	32,83	903,61	52,49	40,13	8,43	0,00	1	0,00	0,13	7,09	71,96	1509	27,04	0,00	498	209	3,17	45,55	11,00	77,65	817	3954	6
1355030803045	5,30	0,45	5	10,11	3109,22	54,72	32,92	7,62	0,00	0	0,00	1,04	6,56	77,23	938	11,71	1,17	321	64	1,27	68,49	7,30	80,80	272	1424	4
1355030803046	29,12	3,74	5	59,93	618,21	51,75	48,44	2,30	0,91	0	1,42	2,31	7,55	72,48	263	49,02	1,76	56	73	9,70	23,26	17,40	73,33	154	1047	0
1355030803047	29,12	3,74	0	59,93	618,21	53,06	45,55	2,88	0,91	0	1,42	2,31	7,55	72,48	87	49,02	1,76	14	24	8,29	23,26	17,40	73,33	31	326	1
1355030803048	6,19	0,27	22	21,07	1650,19	54,19	34,87	7,47	0,00	0	0,00	0,20	5,07	73,19	2417	20,80	1,07	892	214	1,26	59,07	8,30	79,85	895	3748	25
1355030803049	6,19	0,27	0	21,07	1650,19	51,53	36,79	3,99	0,00	0	0,00	0,20	5,07	73,19	76	20,80	1,07	19	17	0,52	59,07	8,30	79,85	35	169	1
1355030803050	23,04	0,88	2	48,80	528,13	51,24	42,66	2,68	0,25	1	0,00	0,00	7,60	75,80	841	47,63	2,52	203	225	4,45	31,64	17,60	73,25	659	4084	1
1355030803051	29,12	3,74	0	59,93	618,21	52,02	53,79	3,17	0,91	0	1,42	2,31	7,55	72,48	391	49,02	1,76	66	104	6,42	23,26	17,40	73,33	147	1840	0
1355030803052	11,72	0,00	11	32,83	903,61	52,96	37,62	7,87	0,00	0	0,00	0,13	7,09	71,96	990	27,04	0,00	291	136	3,21	45,55	11,00	77,65	342	2504	6
1355030803053	5,30	0,45	2	10,11	3109,22	54,27	35,71	8,57	0,00	0	0,00	1,04	6,56	77,23	1024	11,71	1,17	351	124	1,39	68,49	7,30	80,80	405	2161	5
1355030803054	11,72	0,00	1	32,83	903,61	53,25	40,85	9,89	0,00	0	0,00	0,13	7,09	71,96	131	27,04	0,00	37	28	2,16	45,55	11,00	77,65	59	276	3
1355030803055	29,12	3,74	0	59,93	618,21	52,16	40,54	0,96	0,91	0	1,42	2,31	7,55	72,48	84	49,02	1,76	14	14	8,67	23,26	17,40	73,33	66	186	0
1355030803056	29,36	1,25	338	48,60	477,79	51,91	47,99	2,13	0,05	3	0,62	0,26	6,72	71,00	318	50,04	0,77	73	96	8,79	25,56	20,40	71,69	172	1569	0
1355030803057	28,92	2,30	7	48,30	471,73	52,60	41,47	3,01	1,33	0	3,47	1,12	8,27	73,76	330	41,64	0,80	81	51	7,45	31,72	20,60	71,58	197	1078	0
1355030803058	16,96	1,17	10	38,22	683,19	51,41	40,63	5,17	0,00	3	0,00	1,04	6,56	77,23	418	11,71	1,17	162	69	2,42	68,49	7,30	80,80	203	1039	0
1355030803062	29,12	3,74	2	59,93	618,21	51,49	43,60	2,92	0,91	0	1,42	2,31	7,55	72,48	299	49,02	1,76	46	70	6,80	23,26	17,40	73,33	144	1093	4
1355030803060	29,36	1,25	127	48,60	477,79	51,79	45,51	2,89	0,05	0	0,62	0,26	6,72	71,00	403	50,04	0,77	85	54	7,23	25,56	20,40	71,69	140	1490	8
1355030803061	5,30	0,45	1	10,11	3109,22	53,12	37,58	8,87	0,00	0	0,00	1,04	6,56	77,23	418	11,71	1,17	162	69	2,42	68,49	7,30	80,80	203	1039	0
1355030803062	6,19	0,27	0	21,07	1650,19	54,90	29,56	6,42	0,00	0	0,00	0,20	5,07	73,19	90	20,80	1,07	21	5	0,64	59,07	8,30	79,85	25	115	0
1355030803063	29,36	1,25	12	48,60	477,79	51,48	45,76	3,06	0,05	0	0,62	0,26	6,72	71,00	1703	50,04	0,77	290	316	6,28	25,56	20,40	71,69	1162	5483	4
1355030803064	29,12	3,74	53	59,93	618,21	50,58	49,97	2,83	0,91	0	1,42	2,31	7,55	72,48	339	49,02	1,76	55	91	6,34	23,26	17,40	73,33	272	1406	0
1355030803065	5,30	0,45	0	10,11	3109,22	50,39	32,99	2,68	0,00	0	0,00	1,04	6,56	77,23	133	11,71	1,17	43	12	2,58	68,49	7,30	80,80	66	286	1
1355030803066	29,36	1,25	0	48,60	477,79	53,15	50,17	3,30	0,05	0	0,62	0,26	6,72	71,00	157	50,04	0,77									

1355030803067	28,92	2,30	13	48,30	471,73	51,54	46,92	4,51	1,33	2	3,47	1,12	8,27	73,76	369	41,64	0,80	87	85	8,47	31,72	20,60	71,58	240	1104	38
1355030803068	29,36	1,25	185	48,60	477,79	51,92	50,00	2,18	0,05	0	0,62	0,26	6,72	71,00	140	50,04	0,77	20	35	4,98	25,56	20,40	71,69	127	460	0
1355030803069	29,12	3,74	0	59,93	618,21	50,50	48,48	2,86	0,91	0	1,42	2,31	7,55	72,48	217	49,02	1,76	39	79	4,82	23,26	17,40	73,33	152	963	2
1355030803070	15,53	1,56	5	30,01	746,33	51,51	43,62	6,51	0,00	1	0,00	0,44	7,57	72,24	557	36,48	0,81	153	128	3,85	46,29	12,70	76,41	440	1846	12
1355030803071	11,72	0,00	51	32,83	903,61	52,92	40,04	7,22	0,00	0	0,00	0,13	7,09	71,96	897	27,04	0,00	224	134	3,92	45,55	11,00	77,65	493	2275	8
1355030803072	5,30	0,45	3	10,11	3109,22	52,01	32,91	5,02	0,00	0	0,00	1,04	6,56	77,23	976	11,71	1,17	285	72	1,70	68,49	7,30	80,80	302	1501	6
1355030803073	29,36	1,25	1	48,60	477,79	51,66	46,00	3,79	0,05	0	0,62	0,26	6,72	71,00	516	50,04	0,77	115	106	9,45	25,56	20,40	71,69	344	1920	6
1355030803074	28,92	2,30	0	48,30	471,73	52,12	42,55	3,82	1,33	0	3,47	1,12	8,27	73,76	624	41,64	0,80	159	141	9,03	31,72	20,60	71,58	373	2509	0
1355030803075	17,46	1,43	2	41,61	730,19	51,70	39,67	4,96	0,00	1	0,00	0,56	8,28	68,72	1588	38,37	0,00	415	251	4,62	38,06	12,90	76,25	1468	5274	11
1355030803076	17,32	0,73	2	40,87	629,19	52,55	41,12	4,59	0,00	3	0,00	0,00	6,76	72,08	1713	43,18	4,26	171	107	4,71	35,18	14,40	75,19	468	2500	10
1355030803077	28,92	2,30	0	48,30	471,73	51,60	40,23	2,44	1,33	1	3,47	1,12	8,27	73,76	338	41,64	0,80	69	95	4,71	31,72	20,60	71,58	174	1683	1
1355030803078	22,17	1,79	2	42,87	806,43	52,18	42,44	4,57	0,17	1	0,00	1,22	8,18	70,22	1163	46,59	0,00	320	193	5,91	28,92	12,40	76,63	842	4153	5
1355030803079	11,72	0,00	1	32,83	903,61	53,02	34,58	3,19	0,00	0	0,00	0,13	7,09	71,96	395	27,04	0,00	84	79	2,93	45,55	11,00	77,65	165	1333	10
1355030803080	29,12	3,74	9	59,93	618,21	53,83	50,92	2,89	0,91	0	1,42	2,31	7,55	72,48	201	49,02	1,76	52	54	4,98	23,26	17,40	73,33	170	953	2
1355030803081	29,36	1,25	5	48,60	477,79	52,48	43,38	3,69	0,05	2	0,62	0,26	6,72	71,00	671	50,04	0,77	119	140	5,11	25,56	20,40	71,69	332	2423	1
1355030803082	5,30	0,45	1	10,11	3109,22	51,92	33,24	5,25	0,00	0	0,00	1,04	6,56	77,23	249	11,71	1,17	70	29	1,55	68,49	7,30	80,80	88	647	2
1355030803083	28,92	2,30	0	48,30	471,73	51,67	46,70	4,67	1,33	0	3,47	1,12	8,27	73,76	79	41,64	0,80	21	17	6,41	31,72	20,60	71,58	48	350	0
1355030803084	16,96	1,17	31	38,22	683,19	52,37	41,13	4,65	0,00	1	0,07	0,08	5,98	68,68	1684	36,39	0,99	439	311	3,02	37,30	13,30	75,95	1094	5665	17
1355030804001	27,23	0,91	12	46,91	518,34	51,10	41,06	3,08	1,85	0	1,29	0,00	7,23	68,51	863	55,47	2,40	203	185	6,78	24,82	18,40	72,77	578	2909	10
1355030804002	27,23	0,91	0	46,91	518,34	52,15	44,25	1,86	1,85	0	1,29	0,00	7,23	68,51	243	55,47	2,40	50	76	6,65	24,82	18,40	72,77	155	864	0
1355030804003	38,17	2,50	0	57,19	423,25	53,03	52,85	1,86	3,29	1	1,84	1,73	11,65	67,73	105	59,86	1,42	30	38	7,06	19,44	24,30	69,74	84	533	0
1355030804004	36,02	3,24	0	59,05	415,46	48,98	50,67	1,78	1,07	0	1,62	4,30	12,01	66,12	76	56,56	9,28	20	25	6,15	21,71	24,60	69,58	65	452	5
1355030804005	27,23	0,91	231	46,91	518,34	51,04	44,09	2,73	1,85	0	1,29	0,00	7,23	68,51	95	55,47	2,40	14	34	8,94	24,82	18,40	72,77	85	530	0
1355030804006	33,22	4,89	29	52,85	436,81	52,75	50,37	4,19	0,07	0	0,48	1,35	10,88	72,62	218	57,16	1,73	54	65	8,99	19,82	23,90	69,92	124	891	0
1355030804007	27,23	0,91	107	46,91	518,34	51,11	45,35	5,39	1,85	0	1,29	0,00	7,23	68,51	364	55,47	2,40	74	91	6,22	24,82	18,40	72,77	185	1377	1
1355030804008	27,23	0,91	63	46,91	518,34	53,02	45,13	6,35	1,85	0	1,29	0,00	7,23	68,51	341	55,47	2,40	90	94	5,08	24,82	18,40	72,77	258	1290	0
1355030804009	9,58	0,24	29	21,60	1154,15	52,32	35,05	8,99	0,00	1	0,00	0,00	5,12	70,63	1755	20,73	0,00	534	295	2,30	60,25	8,80	79,46	828	3751	7
1355030804010	11,97	0,00	0	33,44	873,32	55,75	44,87	19,12	0,00	0	0,18	0,00	8,19	69,35	106	32,21	1,39	23	10	0,20	45,09	10,60	77,94	36	126	0
1355030804011	38,17	2,50	4	57,19	423,25	50,05	56,24	1,68	3,29	2	1,84	1,73	11,65	67,73	168	59,86	1,42	31	87	5,64	19,44	24,30	69,74	182	1084	0
1355030804012	27,23	0,91	0	46,91	518,34	51,04	38,49	3,22	1,85	0	1,29	0,00	7,23	68,51	67	55,47	2,40	19	36	2,70	24,82	18,40	72,77	89	401	0
1355030804013	33,22	4,89	0	52,85	436,81	51,92	43,72	3,45	0,07	0	0,48	1,35	10,88	72,62	385	57,16	1,73	79	97	4,19	19,82	23,90	69,92	347	1374	0
1355030804014	5,54	0,84	0	11,25	2480,11	52,57	31,70	7,54	0,00	0	0,00	0,12	6,24	77,99	221	12,75	0,64	51	33	0,93	66,69	7,60	80,46	79	422	4
1355030804015	19,31	0,52	1	40,50	598,29	54,02	47,74	4,50	4,37	0	0,83	0,27	10,82	69,85	160	46,34	0,75	48	42	13,25	36,56	16,10	74,15	97	804	0
1355030804016	27,23	0,91	82	46,91	518,34	53,53	43,51	2,05	1,85	0	1,29	0,00	7,23	68,51	274	55,47	2,40	51	50	5,38	24,82	18,40	72,77	249	802	0
1355030804017	11,97	0,00	15	33,44	873,32	52,76	40,32	7,50	0,00	3	0,18	0,00	8,19	69,35	2130	32,21	1,39	602	366	2,88	45,09	10,60	77,94	999	5081	8
1355030804018	19,31	0,52	38	40,50	598,29	50,30	40,63	7,68	4,37	0	0,83	0,27	10,82	69,85	140	46,34	0,75	42	29	3,85	36,56	16,10	74,15	89	374	1
1355030804019	11,97	0,00	1	33,44	873,32	52,68	44,09	20,40	0,00	0	0,18	0,00	8,19	69,35	171	32,21	1,39	43	12	1,99	45,09	10,60	77,94	33	164	0
1355030804020	5,54	0,84	0	11,25	2480,11	53,66	40,71	10,80	0,00	0	0,00	0,12	6,24	77,99	133	12,75	0,64	55	10	2,49	66,69	7,60	80,46	38	208	6
1355030804021	5,54	0,84	13	11,25	2480,11	53,65	39,35	14,21	0,00	0	0,00	0,12	6,24	77,99	1422	12,75	0,64	573	182	1,26	66,69	7,60	80,46	258	1468	6
1355030804022	27,23	0,91	0	46,91	518,34	51,91	38,93	3,30	1,85	1	1,29	0,00	7,23	68,51	303	55,47	2,40	73	83	5,73	24,82	18,40	72,77	306	1263	0
1355030804023	38,17	2,50	82	57,19	423,25	51,25	48,29	2,47	3,29	0	1,84	1,73	11,65	67,73	607	59,86	1,42	146	173	7,23	19,44	24,30	69,74	491	2676	3
1355030804025	19,31	0,52	2	40,50	598,29	48,95	47,41	3,95	4,37	0	0,83	0,27	10,82	69,85	162	46,34	0,75	39	34	6,62	36,56	16,10	74,15	89	794	1
1355030804026	39,82	2,85	2	58,16	451,82	50,57	49,01	2,63	1,98	1	1,50	8,08	10,62	62,63	542	59,71	3,28	115	181	8,63	20,26	23,20	70,24	436	3468	0
1355030804027	27,23	0,91	1	46,91	518,34	50,24	38,12	3,25	1,85	0	1,29	0,00	7,23	68,51	270	55,47	2,40	81	79	6,08	24,82	18,40	72,77	249	1277	0
1355030804028	36,02	3,24	0	59,05	415,46	50,77	48,39	3,16	1,07	0	1,62	4,30	12,01	66,12	100	56,56	9,28	13	41	3,71	21,71	24,60	69,58	47	655	0
1355030804029	39,82	2,85	0	58,16	451,82	52,68	55,48	2,91	1,98	1	1,50	8,08	10,62	62,63	140	59,71	3,28	32	34	11,65	20,26	23,20	70,24	62	489	4
1355030804030	36,02	3,24	210	59,05	415,46	53,13	47,20	2,12	1,07	2	1,62	4,30	12,01	66,12	192	56,56	9,28	31	36	11,47	21,71	24,60	69,58	110	572	0
1355030804031	36,02	3,24	2	59,05	415,46	50,73	44,66	2,18	1,07	1	1,62	4,30	12,01	66,12	120	56,56	9,28	24	32	9,04	21,71	24,60	69,58	74	536	0

1355030804032	36.02	3.24	1	59.05	415.46	50.75	50.12	2.04	1.07	0	1.62	4.30	12.01	66.12	218	56.56	9.28	38	44	7.21	21.71	24.60	69.58	70	763	0
1355030804033	38.17	2.50	3	57.19	423.25	51.64	45.25	2.92	3.29	1	1.84	1.73	11.65	67.73	909	59.86	1.42	182	283	5.35	19.44	24.30	69.74	548	3760	2
1355030804034	5.54	0.84	9	11.25	2480.11	53.07	31.90	4.04	0.00	0	0.00	0.12	6.24	77.99	850	12.75	0.64	252	77	1.29	66.69	7.60	80.46	554	2195	9
1355030804035	33.22	4.89	91	52.85	436.81	52.70	51.30	3.25	0.07	2	0.48	1.35	10.88	72.62	659	57.16	1.73	146	185	6.91	19.82	23.90	69.92	687	2404	1
1355030804036	33.22	4.89	76	52.85	436.81	52.31	48.78	4.59	0.07	1	0.48	1.35	10.88	72.62	267	57.16	1.73	64	79	10.08	19.82	23.90	69.92	243	1258	0
1355030804037	33.22	4.89	0	52.85	436.81	54.98	52.87	3.92	0.07	0	0.48	1.35	10.88	72.62	66	57.16	1.73	26	27	9.41	19.82	23.90	69.92	52	315	0
1355030804038	36.02	3.24	0	59.05	415.46	51.71	61.37	0.96	1.07	0	1.62	4.30	12.01	66.12	71	56.56	9.28	11	27	9.35	21.71	24.60	69.58	94	394	0
1355030804039	5.54	0.84	1	11.25	2480.11	53.62	37.57	5.73	0.00	0	0.00	0.12	6.24	77.99	263	12.75	0.64	77	18	2.41	66.69	7.60	80.46	103	577	4
1355030804040	5.54	0.84	5	11.25	2480.11	53.65	33.44	7.87	0.00	1	0.00	0.12	6.24	77.99	407	12.75	0.64	120	54	1.48	66.69	7.60	80.46	137	675	3
1355030804041	38.17	2.50	0	57.19	423.25	49.26	42.82	3.51	3.29	0	1.84	1.73	11.65	67.73	141	59.86	1.42	26	38	8.91	19.44	24.30	69.74	98	601	1
1355030804042	20.40	0.74	0	41.41	610.13	51.02	50.31	6.67	0.80	0	0.00	0.50	8.71	70.69	81	33.87	3.79	10	29	7.62	38.28	14.80	74.92	96	287	3
1355030804043	19.31	0.52	10	40.50	598.29	51.36	37.36	2.09	4.37	0	0.83	0.27	10.82	69.85	247	46.34	0.75	88	55	4.82	36.56	16.10	74.15	239	1027	0
1355030804044	13.82	0.15	2	26.42	728.29	51.61	29.51	3.22	0.00	0	0.64	0.00	8.49	74.68	152	29.50	0.00	57	27	3.50	41.72	13.90	75.54	91	565	0
1355030804045	11.97	0.00	281	33.44	873.32	52.63	38.83	6.79	0.00	1	0.18	0.00	8.19	69.35	1564	32.21	1.39	451	255	3.51	45.09	10.60	77.94	805	4444	5
1355030804046	13.04	0.84	107	32.70	726.26	52.13	35.41	5.07	0.96	0	0.00	0.00	12.26	69.44	2944	21.18	2.82	670	665	2.10	51.42	13.10	76.12	2010	9550	21
1355030804047	5.54	0.84	6	11.25	2480.11	53.45	31.69	4.29	0.00	0	0.00	0.12	6.24	77.99	1284	12.75	0.64	399	119	1.09	66.69	7.60	80.46	593	2719	10
1355030804048	9.58	0.24	9	21.60	1154.15	54.21	43.96	14.31	0.00	0	0.00	0.00	5.12	70.63	802	20.73	0.80	210	115	2.23	60.25	8.80	79.46	188	851	10
1355030804049	19.31	0.52	1	40.50	598.29	51.58	36.29	2.90	4.37	0	0.83	0.27	10.82	69.85	2076	46.34	0.75	441	486	4.09	36.56	16.10	74.15	1498	8772	33
1355030804050	13.82	0.15	12	26.42	728.29	53.14	43.17	8.14	0.00	2	0.64	0.00	8.49	74.68	1474	29.50	0.00	436	261	2.79	41.72	13.90	75.54	1111	4048	14
1355030804051	38.17	2.50	12	57.19	423.25	50.27	50.46	1.61	3.29	5	1.84	1.73	11.65	67.73	1627	59.86	1.42	252	446	7.86	19.44	24.30	69.74	1141	8251	6
1355030804052	24.91	1.99	19	46.30	563.58	51.70	43.43	3.52	0.27	5	0.16	0.00	6.61	71.47	3771	40.86	2.35	842	981	5.75	33.30	16.50	73.90	2974	15416	22
1355030804053	15.33	0.33	401	40.47	677.68	52.45	38.07	5.32	0.00	2	0.00	0.00	9.00	67.90	6171	32.30	1.08	1568	1077	4.24	39.40	13.60	75.98	3919	19946	85
1355030804054	17.16	1.71	100	40.03	621.32	51.48	40.88	4.41	0.14	8	0.00	0.51	9.26	68.99	3565	40.72	0.85	849	894	5.18	33.96	14.50	75.15	2923	15135	23
1355030804055	20.17	0.67	77	45.24	569.51	51.28	41.24	3.22	0.00	2	0.00	0.41	7.83	70.17	4921	49.04	1.42	1136	1314	4.80	34.57	16.00	74.18	4014	22712	52
1355030804056	13.04	0.19	8	32.70	726.26	52.50	39.41	6.92	0.96	5	0.00	0.00	12.26	69.44	1078	21.18	2.82	300	221	3.46	51.42	13.10	76.12	672	3419	5
1355030804057	20.40	0.74	540	41.41	610.13	52.16	40.85	5.79	0.80	8	0.00	0.50	8.71	70.69	3432	33.87	3.79	861	728	4.97	38.28	14.80	74.92	1983	12047	16
1355030804058	23.10	1.57	202	42.70	511.80	50.12	46.30	3.00	3.39	5	0.11	0.79	6.71	64.09	3456	53.10	1.73	665	959	6.53	30.82	18.80	72.54	2420	15887	13
1355030804059	34.09	2.16	12	47.00	437.74	51.23	46.22	2.10	0.11	5	0.00	0.43	8.43	71.46	3745	52.08	3.67	812	895	7.72	23.20	23.80	69.95	2940	18484	29
1355030804060	27.23	0.91	101	46.91	518.34	53.91	45.43	3.67	1.85	0	1.29	0.00	7.23	68.51	279	55.47	2.40	55	75	8.96	24.82	18.40	72.77	231	962	2
1355030804061	9.58	0.24	1	21.60	1154.15	53.12	39.92	10.12	0.00	0	0.00	0.00	5.12	70.63	475	20.73	0.00	154	91	2.46	60.25	8.80	79.46	140	1016	1
1355030804062	19.31	0.52	2	40.50	598.29	52.20	41.80	4.18	4.37	0	0.83	0.27	10.82	69.85	974	46.34	0.75	272	289	4.42	36.56	16.10	74.15	801	4378	13
1355030804063	43.76	4.27	0	67.65	583.21	51.31	55.25	0.22	5.06	0	6.78	14.50	17.39	60.66	67	66.82	5.97	15	16	11.15	14.08	17.60	73.22	26	274	0
1355030804064	5.54	0.84	10	11.25	2480.11	54.04	40.24	13.62	0.00	0	0.00	0.12	6.24	77.99	777	12.75	0.64	250	140	1.06	66.69	7.60	80.46	297	1025	5
1355030804065	5.54	0.84	50	11.25	2480.11	51.12	40.16	12.62	0.00	0	0.00	0.12	6.24	77.99	267	12.75	0.64	83	49	1.06	66.69	7.60	80.46	111	427	0
1355030804066	2.42	0.37	25	3.99	6235.10	53.71	40.32	7.84	0.00	0	0.00	1.08	3.31	80.14	114	5.76	0.00	40	24	5.28	81.71	6.20	81.87	52	352	5
1355030804067	5.54	0.84	15	11.25	2480.11	54.72	39.37	13.54	0.00	0	0.00	0.12	6.24	77.99	1499	12.75	0.64	543	92	1.11	66.69	7.60	80.46	230	1328	1
1355030804068	9.58	0.24	45	21.60	1154.15	51.93	40.86	9.30	0.00	0	0.00	0.00	5.12	70.63	342	20.73	0.00	121	77	3.64	60.25	8.80	79.46	143	795	35
1355030804069	5.54	0.84	5	11.25	2480.11	52.78	44.84	12.05	0.00	0	0.00	0.12	6.24	77.99	596	12.75	0.64	206	100	3.30	66.69	7.60	80.46	189	1409	2
1355030804070	33.22	4.89	1	52.85	436.81	51.53	45.26	2.08	0.07	2	0.48	1.35	10.88	72.62	1366	57.16	1.73	303	394	7.60	19.82	23.90	69.92	838	6442	1
1355030804071	13.82	0.15	32	26.42	728.29	51.28	40.57	6.09	0.00	0	0.64	0.00	8.49	74.68	632	29.50	0.00	183	127	4.32	41.72	13.90	75.54	466	2243	0
1355030804072	2.50	0.00	2	4.95	13802.96	50.29	46.44	18.19	0.00	0	0.00	0.00	5.04	75.44	141	10.48	0.00	40	29	0.89	79.33	5.70	82.41	14	106	1
1355030804073	33.22	4.89	2	52.85	436.81	51.60	49.71	2.58	0.07	3	0.48	1.35	10.88	72.62	557	57.16	1.73	122	193	9.04	19.82	23.90	69.92	545	2532	12
1355030804074	38.11	6.52	0	60.90	413.19	49.92	47.95	3.24	0.11	0	0.00	0.48	16.77	69.53	233	62.22	2.58	48	78	5.83	26.43	24.70	69.55	202	1227	3
1355030804075	20.40	0.74	2	41.41	610.13	51.57	37.93	4.23	0.80	0	0.00	0.50	8.71	70.69	1476	33.87	3.79	330	314	4.06	38.28	14.80	74.92	1220	5311	6
1355030804076	27.23	0.91	99	46.91	518.34	52.60	43.02	2.98	1.85	0	1.29	0.00	7.23	68.51	1364	55.47	2.40	197	278	3.62	24.82	18.40	72.77	961	3069	5
1355030804077	13.82	0.15	17	26.42	728.29	53.02	41.79	8.65	0.00	1	0.64	0.00	8.49	74.68	543	29.50	0.00	159	101	5.20	41.72	13.90	75.54	394	1441	7
1355030804078	27.23	0.91	0	46.91	518.34	51.14	44.08	5.08	1.85	0	1.29	0.00	7.23	68.51	85	55.47	2.40	26	34	6.10	24.82	18.40	72.77	88	470	0
1355030804079	33.22	4.89	0	52.85	436.81	52.90	47.85	3.66	0.07	0	0.48	1.35	10.88	72.62	129	57.16	1.73	26	33	4.98	19.82	23.90	69.92	82	511	0
1355030804080	13.82	0.15	12	26.42	728.29	52.24	39																			

1355030804081	27.23	0.91	1	46.91	518.34	51.42	44.46	2.79	1.85	0	1.29	0.00	7.23	68.51	293	55.47	2.40	47	92	7.35	24.82	18.40	72.77	210	1331	0
1355030804082	19.31	0.52	6	40.50	598.29	52.00	40.91	7.68	4.37	0	0.83	0.27	10.82	69.85	175	46.34	0.75	52	27	5.37	36.56	16.10	74.15	107	628	0
1355030804083	27.23	0.91	0	46.91	518.34	52.11	33.87	3.77	1.85	0	1.29	0.00	7.23	68.51	65	55.47	2.40	20	19	3.26	24.82	18.40	72.77	57	275	0
1355030805001	23.62	1.36	0	54.36	533.99	49.80	41.53	1.70	0.00	0	0.23	0.99	7.56	69.38	117	48.66	3.56	20	33	6.90	30.23	18.40	72.80	94	450	0
1355030805002	15.82	0.88	1	45.87	612.98	50.67	58.55	16.17	0.55	0	0.17	0.40	9.25	65.21	45	34.32	1.51	15	11	2.72	37.92	16.90	73.64	123	16	0
1355030805003	23.62	1.36	0	54.36	533.99	52.83	47.83	5.23	0.00	0	0.23	0.99	7.56	69.38	140	48.66	3.56	29	37	2.54	30.23	18.40	72.80	126	362	0
1355030805004	23.62	1.36	44	54.36	533.99	52.44	44.22	3.94	0.00	0	0.23	0.99	7.56	69.38	427	48.66	3.56	85	153	5.41	30.23	18.40	72.80	742	1568	1
1355030805005	43.76	4.27	0	67.65	583.21	57.52	30.69	6.86	5.06	0	6.78	14.50	17.39	60.66	37	66.82	5.97	3	39	1.90	14.08	17.60	73.22	214	96	0
1355030805006	3.02	0.14	0	12.53	2011.50	52.71	30.97	6.68	0.00	0	0.00	0.12	5.99	76.26	63	10.56	1.24	22	4	0.00	72.67	8.10	80.07	18	17	0
1355030805007	3.02	0.14	2	12.53	2011.50	54.56	38.65	10.32	0.00	0	0.00	0.12	5.99	76.26	107	10.56	1.24	48	16	1.08	72.67	8.10	80.07	79	221	9
1355030805008	3.02	0.14	0	12.53	2011.50	50.64	30.23	2.81	0.00	0	0.00	0.12	5.99	76.26	92	10.56	1.24	33	2	0.29	72.67	8.10	80.07	47	105	0
1355030805009	3.02	0.14	0	12.53	2011.50	52.81	29.01	2.39	0.00	0	0.00	0.12	5.99	76.26	93	10.56	1.24	34	0	0.00	72.67	8.10	80.07	32	0	0
1355030805010	3.02	0.14	31	12.53	2011.50	55.75	36.92	11.21	0.00	0	0.00	0.12	5.99	76.26	2029	10.56	1.24	766	108	1.19	72.67	8.10	80.07	606	1313	2
1355030805011	5.01	0.20	0	26.95	1316.52	54.19	38.66	11.30	0.00	0	0.00	0.36	5.98	74.77	202	28.69	1.69	58	22	0.95	54.70	8.50	79.66	82	297	4
1355030805012	23.62	1.36	0	54.36	533.99	52.74	46.33	3.70	0.00	0	0.23	0.99	7.56	69.38	671	48.66	3.56	103	263	6.32	30.23	18.40	72.80	1135	1562	7
1355030805013	3.02	0.14	1	12.53	2011.50	53.53	33.56	6.30	0.00	0	0.00	0.12	5.99	76.26	274	10.56	1.24	115	16	0.63	72.67	8.10	80.07	103	309	4
1355030805014	3.02	0.14	1	12.53	2011.50	53.98	40.80	6.25	0.00	0	0.00	0.12	5.99	76.26	69	10.56	1.24	24	1	0.37	72.67	8.10	80.07	27	40	0
1355030805015	3.02	0.14	14	12.53	2011.50	54.86	36.72	3.05	0.00	0	0.00	0.12	5.99	76.26	119	10.56	1.24	28	3	1.75	72.67	8.10	80.07	30	118	0
1355030805016	3.02	0.14	0	12.53	2011.50	54.09	35.10	2.97	0.00	0	0.00	0.12	5.99	76.26	87	10.56	1.24	35	3	0.46	72.67	8.10	80.07	31	111	0
1355030805017	3.02	0.14	0	12.53	2011.50	52.55	32.62	2.86	0.00	0	0.00	0.12	5.99	76.26	67	10.56	1.24	32	7	0.32	72.67	8.10	80.07	43	103	0
1355030805018	3.02	0.14	5	12.53	2011.50	54.14	34.69	4.14	0.00	0	0.00	0.12	5.99	76.26	141	10.56	1.24	64	4	0.26	72.67	8.10	80.07	84	214	0
1355030805019	5.01	0.20	14	26.95	1316.52	55.76	39.63	5.06	0.00	0	0.00	0.36	5.98	74.77	427	28.69	1.69	85	34	2.55	54.70	8.50	79.66	196	594	4
1355030805020	3.02	0.14	0	12.53	2011.50	52.75	30.19	5.05	0.00	0	0.00	0.12	5.99	76.26	142	10.56	1.24	65	4	0.40	72.67	8.10	80.07	60	148	2
1355030805021	3.02	0.14	1	12.53	2011.50	54.17	35.51	4.91	0.00	0	0.00	0.12	5.99	76.26	178	10.56	1.24	48	8	1.00	72.67	8.10	80.07	66	150	0
1355030805022	2.90	0.26	40	21.26	2168.96	54.52	39.05	12.52	0.00	0	0.00	0.34	3.13	75.36	3808	13.21	0.00	1513	388	1.18	70.35	7.90	80.20	1049	3256	100
1355030805023	11.44	0.16	0	28.96	939.68	53.59	36.57	5.58	0.00	0	0.00	0.00	5.58	70.16	741	24.63	0.40	231	105	2.34	47.77	9.90	78.52	565	1803	2
1355030805025	38.11	6.52	0	60.90	413.19	51.83	47.80	3.90	0.11	0	0.00	0.48	16.77	69.53	73	62.22	2.58	8	15	12.50	26.43	24.70	69.55	52	222	0
1355030805026	15.82	0.88	5	45.87	612.98	50.82	43.36	5.06	0.55	0	0.17	0.40	9.25	65.21	234	34.32	1.51	55	73	5.12	37.92	16.90	73.64	226	995	9
1355030805027	15.82	0.88	21	45.87	612.98	52.17	40.56	6.63	0.55	1	0.17	0.40	9.25	65.21	1322	34.32	1.51	403	258	3.34	37.92	16.90	73.64	1076	3659	31
1355030805028	3.02	0.14	0	12.53	2011.50	52.72	26.99	3.41	0.00	0	0.00	0.12	5.99	76.26	121	10.56	1.24	51	2	0.33	72.67	8.10	80.07	38	90	1
1355030805029	3.02	0.14	5	12.53	2011.50	53.42	41.96	14.40	0.00	1	0.00	0.12	5.99	76.26	1018	10.56	1.24	328	98	0.67	72.67	8.10	80.07	178	679	6
1355030805030	12.98	0.50	28	39.08	973.88	53.51	42.18	10.13	0.00	3	0.00	0.17	6.27	70.47	4337	17.19	2.36	1315	838	2.11	48.44	9.60	78.77	3666	7909	47
1355030805031	5.01	0.20	32	26.95	1316.52	53.79	39.18	11.04	0.00	2	0.00	0.36	5.98	74.77	2846	28.69	1.69	969	445	2.10	54.70	8.50	79.66	1875	4335	23
1355030805032	12.03	1.14	42	41.73	920.16	53.37	42.87	9.43	0.00	2	0.00	0.15	7.94	69.98	3511	29.92	0.00	1062	725	2.41	44.91	10.20	78.24	3121	7455	71
1355030805033	7.37	0.12	11	36.15	1072.90	52.92	39.98	10.43	0.00	3	0.00	0.00	8.37	68.92	2421	33.28	2.72	820	408	2.09	45.16	9.00	79.26	1628	4352	10
1355030805034	11.44	0.16	16	28.96	939.68	53.02	39.39	8.20	0.00	0	0.00	0.00	5.58	70.16	3403	24.63	0.40	1024	628	2.81	47.77	9.90	78.52	2302	7887	28
1355030805035	23.62	1.36	208	54.36	533.99	51.78	47.59	3.30	0.00	5	0.23	0.99	7.56	69.38	1614	48.66	3.56	363	436	6.54	30.23	18.40	72.80	1495	6216	11
1355030805036	15.82	0.88	102	45.87	612.98	51.49	40.44	5.25	0.55	1	0.17	0.40	9.25	65.21	1286	34.32	1.51	300	282	3.57	37.92	16.90	73.64	892	4035	21
1355030805037	7.37	0.12	44	36.15	1072.90	53.93	43.19	12.29	0.00	10	0.00	0.00	8.37	68.92	3235	33.28	2.72	1091	543	2.18	45.16	9.00	79.26	2883	5042	37
1355030805038	39.82	2.85	25	58.16	451.82	51.27	54.93	3.87	1.98	3	1.50	8.08	10.62	62.63	499	59.71	3.28	98	177	8.77	20.26	23.20	70.24	379	2185	5
1355030805039	15.82	0.88	0	45.87	612.98	51.00	44.89	3.53	0.55	0	0.17	0.40	9.25	65.21	134	34.32	1.51	47	52	7.61	37.92	16.90	73.64	61	615	0
1355030805040	23.62	1.36	1	54.36	533.99	49.92	46.03	1.74	0.00	0	0.23	0.99	7.56	69.38	244	48.66	3.56	40	61	6.51	30.23	18.40	72.80	101	931	0
1355030805041	38.11	6.52	168	60.90	413.19	51.50	49.97	3.75	0.11	5	0.00	0.48	16.77	69.53	322	62.22	2.58	53	97	11.38	26.43	24.70	69.55	217	1178	0
1355030805042	5.01	0.20	4	26.95	1316.52	52.94	41.11	12.90	0.00	0	0.00	0.36	5.98	74.77	265	28.69	1.69	86	50	2.62	54.70	8.50	79.66	80	374	0
1355030805043	23.62	1.36	0	54.36	533.99	51.28	41.61	3.35	0.00	0	0.23	0.99	7.56	69.38	121	48.66	3.56	25	19	6.19	30.23	18.40	72.80	73	367	4
1355030805044	23.62	1.36	53	54.36	533.99	51.33	40.54	5.30	0.00	0	0.23	0.99	7.56	69.38	377	48.66	3.56	73	90	7.31	30.23	18.40	72.80	258	972	6
1355030805045	15.82	0.88	29	45.87	612.98	49.64	46.38	2.08	0.55	8	0.17	0.40	9.25	65.21	194	34.32	1.51	30	33	7.49	37.92	16.90	73.64	170	452	0
1355030805046	3.02	0.14	0	12.53	2011.50	52.87	33.65	2.87	0.00	0	0.00	0.12	5.99	76.26	28	10.56	1.24	17	5	0.00	72.67	8.10	80.07	19	71	0
1355030805047	23.62	1.36	17	54.36	533.99	50.59	41.36	2.81	0.00	0	0.23	0.99	7.56	69.38	397	48.66	3.56	89	134	5.64	30.2					

1355030805048	5.01	0.20	2	26.95	1316.52	53.30	36.43	8.72	0.00	1	0.00	0.36	5.98	74.77	1018	28.69	1.69	388	112	1.47	54.70	8.50	79.66	553	1450	25
1355030805049	15.82	0.88	1	45.87	612.98	51.90	46.72	3.56	0.55	1	0.17	0.40	9.25	65.21	583	34.32	1.51	146	163	7.19	37.92	16.90	73.64	443	2854	1
1355030805050	15.82	1.36	5	54.36	533.99	52.82	47.63	5.30	0.00	0	0.23	0.99	7.56	69.38	112	48.66	3.56	29	37	4.84	30.23	18.40	72.80	69	360	0
1355030805051	23.62	0.88	3	45.87	612.98	50.85	39.46	4.90	0.55	0	0.17	0.40	9.25	65.21	414	34.32	1.51	106	75	5.86	37.92	16.90	73.64	343	1536	17
1355030805052	12.03	1.14	44	41.73	920.16	53.43	44.77	11.05	0.00	1	0.00	0.15	7.94	69.98	521	29.92	0.00	161	101	2.19	44.91	10.20	78.24	442	897	10
1355030805053	5.01	0.20	0	26.95	1316.52	54.47	46.88	17.26	0.00	0	0.00	0.36	5.98	74.77	152	28.69	1.69	68	22	2.13	54.70	8.50	79.66	73	172	1
1355030805054	43.76	4.27	0	67.65	583.21	50.09	68.37	2.47	5.06	1	6.78	14.50	17.39	60.66	73	66.82	5.97	6	24	14.11	14.08	17.60	73.22	62	295	0
1355030805055	43.76	4.27	0	67.65	583.21	49.09	69.57	1.13	5.06	1	6.78	14.50	17.39	60.66	224	66.82	5.97	24	90	10.72	14.08	17.60	73.22	266	887	0
1355030805056	43.76	4.27	3	67.65	583.21	51.58	60.58	1.14	5.06	7	6.78	14.50	17.39	60.66	252	66.82	5.97	52	67	9.94	14.08	17.60	73.22	183	1040	2
1355030805057	23.62	1.36	0	54.36	533.99	54.46	63.06	0.92	0.00	0	0.23	0.99	7.56	69.38	73	48.66	3.56	14	17	19.12	30.23	17.20	73.22	38	215	0
1355030806001	25.57	2.50	76	52.64	518.84	51.85	48.79	2.63	0.22	0	0.49	0.17	10.05	71.51	358	43.72	5.61	77	100	8.27	28.45	18.30	72.84	254	1573	1
1355030806002	43.76	4.27	0	67.65	583.21	44.17	17.15	1.79	5.06	1	6.78	14.50	17.39	60.66	96	66.82	5.97	22	42	0.27	14.08	17.60	73.22	105	334	0
1355030806003	29.09	2.40	137	57.58	433.31	52.10	46.95	2.90	2.09	2	1.56	2.88	8.28	67.39	337	61.62	2.33	71	75	8.25	26.88	24.00	69.88	160	1097	0
1355030806004	43.76	4.27	0	67.65	583.21	48.96	24.94	1.04	5.06	2	6.78	14.50	17.39	60.66	141	66.82	5.97	24	40	1.16	14.08	17.60	73.22	29	477	0
1355030806005	38.11	6.52	13	60.90	413.19	51.35	46.28	3.22	0.11	1	0.00	0.48	16.77	69.53	216	62.22	2.58	58	58	8.66	26.43	24.70	69.55	166	925	1
1355030806006	5.28	0.77	14	24.18	1239.79	54.43	36.05	10.36	0.00	0	0.00	0.00	7.83	73.82	1306	18.80	1.08	389	167	2.20	53.50	8.60	79.61	485	2200	5
1355030806007	5.28	0.77	3	24.18	1239.79	54.86	34.32	5.17	0.00	0	0.00	0.00	7.83	73.82	176	18.80	1.08	60	15	1.77	53.50	8.60	79.61	73	308	0
1355030806008	1.71	0.14	0	8.41	4631.37	54.84	27.86	7.68	0.00	0	0.00	0.30	4.13	75.99	88	12.87	1.10	37	11	0.86	69.70	6.70	81.38	58	198	0
1355030806009	1.71	0.14	10	8.41	4631.37	53.47	28.30	6.41	0.00	0	0.00	0.30	4.13	75.99	133	12.87	1.10	61	7	1.25	69.70	6.70	81.38	61	179	0
1355030806010	36.02	3.24	9	59.05	415.46	52.35	43.72	3.14	1.07	2	1.62	4.30	12.01	66.12	374	56.56	9.28	65	76	8.52	21.71	24.60	69.58	232	1293	10
1355030806011	36.02	3.24	0	59.05	415.46	51.55	49.54	1.73	1.07	0	1.62	4.30	12.01	66.12	89	56.56	9.28	16	28	6.49	21.71	24.60	69.58	60	501	0
1355030806012	36.81	3.24	52	57.62	462.01	51.81	47.61	4.11	0.41	0	0.99	5.53	14.24	62.45	304	54.24	0.43	50	45	10.75	21.10	22.30	70.69	147	828	4
1355030806013	5.28	0.77	5	24.18	1239.79	52.28	36.22	7.21	0.00	1	0.00	0.00	7.83	73.82	308	18.80	1.08	112	56	1.64	53.50	8.60	79.61	133	741	1
1355030806014	29.09	2.40	0	57.58	433.31	52.24	45.26	6.79	2.09	3	1.56	2.88	8.28	67.39	299	61.62	2.33	68	74	5.78	26.88	24.00	69.88	175	896	1
1355030806015	17.33	0.16	2	43.28	649.05	52.94	36.13	5.59	0.00	2	0.00	0.39	9.34	73.42	305	56.12	2.23	99	61	4.52	36.16	14.30	75.29	247	1108	1
1355030806016	1.71	0.14	0	8.41	4631.37	55.94	23.61	2.71	0.00	0	0.00	0.30	4.13	75.99	131	12.87	1.10	70	0	0.00	69.70	6.70	81.38	22	94	1
1355030806017	1.71	0.14	0	8.41	4631.37	53.76	28.06	11.69	0.00	0	0.00	0.30	4.13	75.99	127	12.87	1.10	58	1	0.45	69.70	6.70	81.38	8	78	0
1355030806018	1.71	0.14	0	8.41	4631.37	53.42	30.96	10.51	0.00	0	0.00	0.30	4.13	75.99	107	12.87	1.10	22	3	0.60	69.70	6.70	81.38	2	51	0
1355030806019	9.80	0.24	5	29.05	902.20	53.76	40.15	2.53	0.46	0	0.00	0.94	5.92	74.38	128	20.73	1.06	34	53	6.76	43.06	11.10	77.60	146	684	5
1355030806020	1.71	0.14	0	8.41	4631.37	54.88	31.08	9.18	0.00	0	0.00	0.30	4.13	75.99	106	12.87	1.10	40	1	0.45	69.70	6.70	81.38	12	53	0
1355030806021	1.71	0.14	17	8.41	4631.37	52.91	37.37	12.79	0.00	0	0.00	0.30	4.13	75.99	1484	12.87	1.10	565	204	1.33	69.70	6.70	81.38	385	1970	9
1355030806022	1.71	0.14	3	8.41	4631.37	53.55	38.19	14.51	0.00	0	0.00	0.30	4.13	75.99	608	12.87	1.10	206	93	0.81	69.70	6.70	81.38	115	451	1
1355030806023	9.80	0.24	0	29.05	902.20	51.72	30.65	6.70	0.46	0	0.00	0.94	5.92	74.38	92	20.73	1.06	38	14	3.16	43.06	11.10	77.60	89	372	2
1355030806024	9.80	0.24	1	29.05	902.20	52.52	38.05	7.25	0.46	0	0.00	0.94	5.92	74.38	483	20.73	1.06	104	56	2.24	43.06	11.10	77.60	213	1017	0
1355030806025	29.09	2.40	3	57.58	433.31	51.80	43.32	3.20	2.09	0	1.56	2.88	8.28	67.39	235	61.62	2.33	50	73	3.83	26.88	24.00	69.88	150	1090	4
1355030806026	29.09	2.40	14	57.58	433.31	50.30	47.60	1.75	2.09	1	1.56	2.88	8.28	67.39	579	61.62	2.33	106	162	5.74	26.88	24.00	69.88	624	3304	3
1355030806027	29.09	2.40	0	57.58	433.31	51.23	56.91	2.29	2.09	0	1.56	2.88	8.28	67.39	38	61.62	2.33	9	20	6.93	26.88	24.00	69.88	42	345	1
1355030806028	29.09	2.40	75	57.58	433.31	52.75	44.37	3.53	2.09	1	1.56	2.88	8.28	67.39	720	61.62	2.33	137	183	7.53	26.88	24.00	69.88	384	2522	5
1355030806029	36.02	3.24	1	59.05	415.46	50.36	39.38	3.83	1.07	0	1.62	4.30	12.01	66.12	117	56.56	9.28	31	35	6.37	21.71	24.60	69.58	130	585	1
1355030806030	5.28	0.77	3	24.18	1239.79	53.55	36.21	6.78	0.00	0	0.00	0.00	7.83	73.82	444	18.80	1.08	135	30	0.95	53.50	8.60	79.61	193	638	9
1355030806031	9.80	0.24	2	29.05	902.20	50.65	40.03	6.29	0.46	0	0.00	0.94	5.92	74.38	387	20.73	1.06	99	78	3.73	43.06	11.10	77.60	406	1175	4
1355030806032	9.80	0.24	39	29.05	902.20	53.49	36.88	7.88	0.46	2	0.00	0.94	5.92	74.38	1245	20.73	1.06	398	186	3.07	43.06	11.10	77.60	784	2960	1
1355030806033	25.80	0.96	34	53.53	522.27	51.13	43.93	2.29	0.00	3	0.00	0.97	10.95	68.85	1422	62.52	0.00	317	363	8.39	20.59	17.80	73.09	1212	6656	25
1355030806034	9.97	0.35	63	36.09	853.77	53.31	38.88	7.76	0.00	2	0.00	0.76	6.05	73.37	2956	21.56	2.10	891	523	3.54	42.66	10.70	77.84	2463	8409	22
1355030806035	17.96	1.15	62	40.65	681.49	52.33	40.74	5.64	1.09	5	1.12	0.00	10.56	71.56	4607	42.00	2.15	1219	777	5.20	37.05	13.30	75.94	2840	14684	14
1355030806036	25.57	2.50	26	52.64	518.84	51.90	42.95	3.62	0.22	2	0.49	0.17	10.05	71.51	375	43.72	5.61	795	807	6.36	28.45	18.30	72.84	2497	13648	12
1355030806037	5.28	0.77	41	24.18	1239.79	52.89	37.80	9.72	0.00	0	0.00	0.00	7.83	73.82	1154	18.80	1.08	387	178	1.89	53.50	8.60	79.61	488	2097	3
1355030806038	9.80	0.24	1	29.05	902.20	53.23	40.17	9.58	0.46	0	0.00	0.94	5.92	74.38	978	20.73	1.06	282	134	2.68	43.06	11.10	77.60	535	2299	2
1355030806039	27.62	1.86	95	51.29	504.87	51.18	43.90	3.10	2.11	11	2.46	1.86	9.47	72.32	4451	44.64	3.72	1002	105							

1355030806040	19,26	1,35	37	44,48	609,12	51,06	40,03	3,86	1,61	2	0,48	0,51	8,93	75,32	2808	44,94	3,63	656	625	3,58	37,68	15,40	74,54	2382	10720	12
1355030806041	17,33	0,16	21	43,28	649,05	51,78	39,03	4,36	0,00	0	0,00	0,39	9,34	73,42	382	56,12	2,23	123	109	3,22	36,16	14,30	75,29	394	1847	0
1355030806043	36,02	3,24	0	59,05	415,46	48,16	43,04	3,77	1,07	0	1,62	4,30	12,01	66,12	69	56,56	9,28	23	46	12,80	21,71	24,60	69,58	82	550	1
1355030806044	9,80	0,24	11	29,05	902,20	53,98	38,55	9,11	0,46	1	0,00	0,94	5,92	74,38	613	20,73	1,06	205	103	2,57	43,06	11,10	77,60	322	1407	2
1355030806045	16,43	1,43	16	38,90	811,83	50,40	35,15	10,28	0,00	0	0,00	1,95	9,48	69,51	54	39,16	2,28	13	8	1,91	37,53	11,40	77,30	26	103	0
1355030806046	16,43	1,43	2	38,90	811,83	51,96	32,75	9,64	0,00	0	0,00	1,95	9,48	69,51	114	39,16	2,28	20	17	2,12	37,53	11,40	77,30	14	185	0
1355030806047	17,33	0,16	60	43,28	649,05	52,42	42,18	6,22	0,00	0	0,00	0,39	9,34	73,42	2119	56,12	2,23	560	376	4,53	36,16	14,30	75,29	1732	6402	2
1355030806048	25,80	0,96	0	53,53	522,27	52,79	40,51	6,68	0,00	0	0,00	0,97	10,95	68,85	202	62,52	0,00	43	29	4,84	20,59	17,80	73,09	70	593	0
1355030806049	29,09	2,40	1	57,58	433,31	52,79	42,98	4,72	2,09	1	1,56	2,88	8,28	67,39	173	61,62	2,33	41	20	6,97	26,88	24,00	69,88	137	457	1
1355030806050	39,82	2,85	9	58,16	451,82	53,67	43,07	5,73	1,98	0	1,50	8,08	10,62	62,63	201	59,71	3,28	47	58	4,02	20,26	23,20	70,24	172	647	0
1355030806051	36,02	3,24	60	59,05	415,46	52,33	43,18	3,70	1,07	0	1,62	4,30	12,01	66,12	55	56,56	9,28	9	29	9,79	21,71	24,60	69,58	31	251	0
1355030806052	39,82	2,85	9	58,16	451,82	53,62	45,00	3,96	1,98	3	1,50	8,08	10,62	62,63	224	59,71	3,28	52	52	6,17	20,26	23,20	70,24	195	748	0
1355030806053	1,71	0,14	0	8,41	4631,37	53,96	34,85	6,57	0,00	0	0,00	0,30	4,13	75,99	46	12,87	1,10	23	5	0,83	69,70	6,70	81,38	10	96	0
1355030806054	16,43	1,43	27	38,90	811,83	52,97	39,43	6,47	0,00	5	0,00	1,95	9,48	69,51	2792	39,16	2,28	837	513	4,30	37,53	11,40	77,30	2245	8921	24
1355030806055	25,80	0,96	1	53,53	522,27	54,63	40,53	4,32	0,00	0	0,00	0,97	10,95	68,85	144	62,52	0,00	42	30	10,04	20,59	17,80	73,09	63	515	3
1355030806056	16,43	1,43	26	38,90	811,83	52,14	36,45	4,65	0,00	0	0,00	1,95	9,48	69,51	614	39,16	2,28	142	91	3,29	37,53	11,40	77,30	298	1509	1
1355030806057	29,09	2,40	22	57,58	433,31	52,43	47,11	3,27	2,09	2	1,56	2,88	8,28	67,39	569	61,62	2,33	83	129	8,32	26,88	24,00	69,88	421	1904	6
1355030806058	22,09	0,60	49	50,46	542,74	52,15	44,44	4,54	0,00	10	0,00	0,63	6,90	74,87	4543	38,70	1,86	1042	827	6,16	29,31	16,90	73,63	3238	14972	37
1355030806059	25,80	0,96	24	53,53	522,27	52,06	42,92	3,75	0,00	1	0,00	0,97	10,95	68,85	1921	62,52	0,00	435	382	6,99	20,59	17,80	73,09	1557	7311	25
1355030806060	5,28	0,77	0	24,18	1239,79	50,20	36,61	7,07	0,00	0	0,00	0,00	7,83	73,82	158	18,80	1,08	33	40	3,16	53,50	8,60	79,61	96	357	0
1355030806061	17,33	0,16	54	43,28	649,05	52,34	40,34	4,74	0,00	1	0,00	0,39	9,34	73,42	1356	56,12	2,23	349	227	3,73	36,16	14,30	75,29	701	4928	0
1355030806062	25,57	2,50	0	52,64	518,84	52,88	42,64	2,66	0,22	1	0,49	0,17	10,05	71,51	214	43,72	5,61	30	40	8,76	28,45	18,30	72,84	227	601	0
1355030806063	9,97	0,35	0	36,09	853,77	52,81	40,09	9,06	0,00	3	0,00	0,76	6,05	73,37	746	21,56	2,10	242	96	3,09	42,66	10,70	77,84	502	1823	0
1355030806065	16,43	1,43	0	38,90	811,83	51,14	36,08	5,10	0,00	0	0,00	1,95	9,48	69,51	213	39,16	2,28	47	38	3,25	37,53	11,40	77,30	116	666	0
1355030806066	5,28	0,77	0	24,18	1239,79	51,69	23,46	4,19	0,00	0	0,00	0,00	7,83	73,82	49	18,80	1,08	18	6	0,76	53,50	8,60	79,61	22	145	0
1355030806067	19,26	1,35	16	44,48	609,12	51,43	42,59	1,91	1,61	0	0,48	0,51	8,93	75,32	133	44,94	3,63	44	59	4,57	37,68	15,40	74,54	232	981	0
1355030806068	5,28	0,77	9	24,18	1239,79	53,31	38,97	8,24	0,00	0	0,00	0,00	7,83	73,82	460	18,80	1,08	192	78	1,73	53,50	8,60	79,61	170	1017	2
1355030806069	9,80	0,24	0	29,05	902,20	52,16	38,83	7,04	0,46	0	0,00	0,94	5,92	74,38	311	20,73	1,06	102	89	2,11	43,06	11,10	77,60	267	1328	8
1355030806070	19,26	1,35	37	44,48	609,12	53,50	39,65	4,27	1,61	1	0,48	0,51	8,93	75,32	345	44,94	3,63	58	48	6,78	37,68	15,40	74,54	150	895	1
1355030806071	9,80	0,24	18	29,05	902,20	50,62	39,89	7,52	0,46	0	0,00	0,94	5,92	74,38	208	20,73	1,06	39	41	1,99	43,06	11,10	77,60	97	467	8
1355030806072	29,09	2,40	282	57,58	433,31	53,33	47,61	3,21	2,09	0	1,56	2,88	8,28	67,39	444	61,62	2,33	93	145	6,28	26,88	24,00	69,88	497	1692	0
1355030806073	29,09	2,40	0	57,58	433,31	52,69	46,75	2,85	2,09	0	1,56	2,88	8,28	67,39	179	61,62	2,33	63	56	10,70	26,88	24,00	69,88	147	1057	0
1355030806074	29,09	2,40	0	57,58	433,31	53,07	42,40	2,14	2,09	0	1,56	2,88	8,28	67,39	153	61,62	2,33	44	52	8,86	26,88	24,00	69,88	165	767	3
1355030806075	1,71	0,14	0	8,41	4631,37	56,18	26,18	2,10	0,00	0	0,00	0,30	4,13	75,99	91	12,87	1,10	48	0	0,29	69,70	6,70	81,38	19	58	0
1355030806076	1,71	0,14	1	8,41	4631,37	51,54	36,68	13,51	0,00	0	0,00	0,30	4,13	75,99	127	12,87	1,10	35	3	0,67	69,70	6,70	81,38	13	38	1
1355030807001	20,78	1,89	9	37,55	564,24	51,56	39,32	4,23	0,13	0	0,00	0,62	8,72	72,05	404	31,20	3,15	96	44	2,54	38,59	16,10	74,11	233	1011	3
1355030807002	20,78	1,89	395	37,55	564,24	52,63	42,64	4,92	0,13	6	0,00	0,62	8,72	72,05	3769	31,20	3,15	854	701	3,31	38,59	16,10	74,11	2748	9538	15
1355030807003	20,78	1,89	15	37,55	564,24	53,07	44,60	3,00	0,13	0	0,00	0,62	8,72	72,05	333	31,20	3,15	78	39	2,68	38,59	16,10	74,11	284	994	3
1355030807004	12,24	0,81	0	27,88	958,55	53,09	38,88	1,77	0,00	0	0,00	0,00	8,55	72,91	99	16,75	0,00	34	7	1,03	51,62	9,80	78,63	119	312	0
1355030807005	28,08	1,65	180	42,05	519,04	52,34	44,80	3,15	0,97	4	0,00	0,00	10,57	73,14	4830	39,90	1,25	1014	1142	4,70	31,02	18,20	72,88	3994	16241	22
1355030807006	20,78	1,89	61	37,55	564,24	52,06	42,68	3,57	0,13	0	0,00	0,62	8,72	72,05	1264	31,20	3,15	311	238	3,66	38,59	16,10	74,11	1298	3460	11
1355030807007	25,84	1,07	369	37,15	528,37	53,33	44,99	3,44	0,00	4	0,00	0,05	9,65	70,85	3430	32,50	2,70	757	808	3,41	34,30	17,60	73,26	3837	10186	24
1355030807008	22,68	1,65	385	37,92	533,00	53,42	44,36	4,15	0,43	1	0,00	0,37	11,67	68,51	5482	28,83	2,37	1520	1001	2,87	36,32	17,30	73,40	5886	15414	26
1355030807009	24,30	0,41	113	31,75	563,59	52,73	42,44	3,23	0,00	1	0,23	0,46	8,34	72,11	4250	24,27	0,64	1166	682	2,79	38,79	16,40	73,92	3567	12490	73
1355030807010	20,78	1,89	4	37,55	564,24	51,47	43,52	3,16	0,13	0	0,00	0,62	8,72	72,05	571	31,20	3,15	80	127	6,99	38,59	16,10	74,11	343	2008	0
1355030807011	44,80	6,84	248	58,54	373,28	50,31	49,55	2,19	1,02	9	1,70	5,35	14,62	61,56	1700	56,39	3,23	268	559	7,79	19,30	25,50	69,19	1497	8110	17
1355030807012	44,80	6,84	264	58,54	373,28	51,87	57,88	1,84	1,02	0	1,70	5,35	14,62	61,56	594	56,39	3,23	119	198	7,59	19,30	25,50	69,19	531	2812	1
1355030807013	25,84	1,07	25	37,15	528,37	53,96	41,19	2,23	0,00	0	0,00	0,05	9,65	70,85	1067	32,50	2,70	268	186	3,45	34,30	17,60	73,26	876	3156	3
1355030807014	44,80	6,84	11	58,54	373,28	50,83	59,24	2,21	1,02	6	1,70	5,35</														

1355030807015	44.80	6.84	258	58.54	373.28	48.39	60.09	1.96	1.02	0	1.70	5.35	14.62	61.56	236	56.39	3.23	30	75	8.80	19.30	25.50	69.19	119	684	2
1355030807016	44.80	6.84	234	58.54	373.28	50.99	61.40	1.54	1.02	3	1.70	5.35	14.62	61.56	779	56.39	3.23	122	244	7.15	19.30	25.50	69.19	710	3016	16
1355030807017	20.78	1.89	0	37.55	564.24	51.76	43.86	2.18	0.13	0	0.00	0.62	8.72	72.05	80	31.20	3.15	19	21	7.24	38.59	16.10	74.11	46	353	0
1355030808001	38.11	6.52	1	60.90	413.19	51.20	47.67	1.73	0.11	1	0.00	0.48	16.77	69.53	179	62.22	2.58	31	29	7.03	26.43	24.70	69.55	143	682	0
1355030808002	43.76	4.27	0	67.65	583.21	52.47	51.24	3.45	5.06	0	6.78	14.50	17.39	60.66	113	66.82	5.97	17	20	2.13	14.08	17.60	73.22	31	150	0
1355030808003	36.81	3.24	9	57.62	462.01	53.24	38.78	5.36	0.41	0	0.99	5.53	14.24	62.45	130	54.24	0.43	51	24	2.59	21.10	22.30	70.69	46	538	0
1355030808004	36.81	3.24	0	57.62	462.01	52.10	45.96	3.56	0.41	1	0.99	5.53	14.24	62.45	170	54.24	0.43	46	50	8.12	21.10	22.30	70.69	97	841	0
1355030808005	36.81	3.24	7	57.62	462.01	50.11	42.16	4.13	0.41	1	0.99	5.53	14.24	62.45	276	54.24	0.43	65	66	8.43	21.10	22.30	70.69	383	1018	2
1355030808006	43.76	4.27	0	67.65	583.21	51.98	48.90	2.86	5.06	0	6.78	14.50	17.39	60.66	309	66.82	5.97	48	81	3.17	14.08	17.60	73.22	142	600	0
1355030808007	39.82	2.85	0	58.16	451.82	50.77	39.95	6.32	1.98	0	1.50	8.08	10.62	62.63	108	59.71	3.28	15	14	2.22	20.26	23.20	70.24	24	70	0
1355030808008	4.65	0.22	4	29.03	1142.00	52.54	35.68	3.12	0.00	0	0.00	0.36	6.98	75.11	375	6.12	0.00	157	27	0.95	61.55	8.80	79.41	219	1005	4
1355030808009	4.65	0.22	14	29.03	1142.00	53.13	37.84	9.34	0.00	2	0.00	0.36	6.98	75.11	779	6.12	0.00	226	103	2.40	61.55	8.80	79.41	375	1239	7
1355030808010	36.81	3.24	0	57.62	462.01	53.86	61.21	5.08	0.41	1	0.99	5.53	14.24	62.45	65	54.24	0.43	19	22	11.18	21.10	22.30	70.69	39	233	0
1355030808011	4.65	0.22	1	29.03	1142.00	54.02	39.57	11.59	0.00	0	0.00	0.36	6.98	75.11	435	6.12	0.00	153	69	2.04	61.55	8.80	79.41	177	855	0
1355030808012	6.66	0.22	0	18.91	1368.23	54.21	35.42	8.83	1.54	0	0.00	0.77	6.36	73.06	324	23.46	2.97	100	22	1.40	57.50	8.50	79.71	84	360	9
1355030808013	6.66	0.22	0	18.91	1368.23	54.49	38.03	8.98	1.54	0	0.00	0.77	6.36	73.06	204	23.46	2.97	85	21	0.89	57.50	8.50	79.71	102	359	0
1355030808014	4.65	0.22	0	29.03	1142.00	53.21	36.73	8.59	0.00	0	0.00	0.36	6.98	75.11	358	6.12	0.00	86	27	1.82	61.55	8.80	79.41	94	402	0
1355030808015	36.02	3.24	380	59.05	415.46	49.24	68.48	1.51	1.07	2	1.62	4.30	12.01	66.12	225	56.56	9.28	56	103	6.00	21.71	24.60	69.58	219	1233	10
1355030808016	1.71	0.14	1	8.41	4631.37	56.19	26.29	5.36	0.00	0	0.00	0.30	4.13	75.99	194	12.87	1.10	52	7	0.30	69.70	6.70	81.38	71	158	0
1355030808017	6.66	0.22	1	18.91	1368.23	56.89	34.63	9.38	1.54	0	0.00	0.77	6.36	73.06	108	23.46	2.97	34	3	0.00	57.50	8.50	79.71	46	71	0
1355030808018	43.76	4.27	0	67.65	583.21	52.80	52.80	5.15	5.06	0	6.78	14.50	17.39	60.66	133	66.82	5.97	18	28	3.26	14.08	17.60	73.22	102	97	0
1355030808019	4.65	0.22	0	29.03	1142.00	52.80	38.11	6.57	0.00	0	0.00	0.36	6.98	75.11	382	6.12	0.00	128	37	1.56	61.55	8.80	79.41	96	658	0
1355030808020	4.65	0.22	1	29.03	1142.00	53.67	35.15	8.27	0.00	0	0.00	0.36	6.98	75.11	247	6.12	0.00	89	31	1.51	61.55	8.80	79.41	110	349	0
1355030808021	4.65	0.22	2	29.03	1142.00	51.41	40.64	5.86	0.00	0	0.00	0.36	6.98	75.11	105	6.12	0.00	19	63	4.34	61.55	8.80	79.41	293	804	0
1355030808022	19.85	0.46	58	40.21	667.59	51.16	39.18	5.05	1.45	0	0.00	0.18	9.77	70.30	2332	25.64	2.40	532	434	4.64	45.80	13.80	75.63	1244	7842	39
1355030808023	13.12	0.96	2	38.76	805.14	51.88	39.97	6.64	1.78	3	0.00	1.62	9.90	69.96	1436	22.65	1.08	381	254	3.10	46.45	11.80	77.06	864	3870	4
1355030808024	13.56	0.92	94	34.59	843.63	53.09	41.03	10.10	0.00	0	0.00	0.00	7.66	70.25	3837	26.96	1.88	1029	682	2.96	44.36	10.90	77.70	1735	8539	26
1355030808025	10.36	0.15	52	30.47	932.27	55.00	40.95	10.81	0.00	1	0.00	0.00	8.92	72.21	4052	27.01	0.22	1142	663	2.00	45.78	10.00	78.39	2082	6633	21
1355030808026	11.92	0.24	9	34.81	885.00	52.51	40.31	9.63	0.00	0	0.00	0.25	8.42	75.85	698	25.05	1.98	206	141	2.22	49.36	10.60	77.97	496	1789	5
1355030808027	13.12	0.96	5	38.76	805.14	52.98	41.62	9.18	1.78	0	0.00	1.62	9.90	69.96	2162	22.65	1.08	594	359	2.50	46.45	11.80	77.06	1110	4409	23
1355030808028	4.65	0.22	4	29.03	1142.00	52.04	41.56	7.95	0.00	0	0.00	0.36	6.98	75.11	448	6.12	0.00	134	110	2.32	61.55	8.80	79.41	319	1449	2
1355030808029	27.72	0.49	10	49.68	510.82	49.96	45.84	2.33	0.00	1	0.28	1.51	7.89	71.35	581	62.75	2.21	152	171	5.65	25.61	18.90	72.50	232	3040	11
1355030808030	11.92	0.24	43	34.81	885.00	52.72	40.16	7.45	0.00	0	0.00	0.25	8.42	75.85	1187	25.05	1.98	382	252	2.75	49.36	10.60	77.97	896	3098	6
1355030808031	11.92	0.24	10	34.81	885.00	52.06	40.98	8.44	0.00	0	0.00	0.25	8.42	75.85	397	25.05	1.98	124	88	3.89	49.36	10.60	77.97	294	999	1
1355030808032	13.12	0.96	0	38.76	805.14	51.15	34.36	4.19	1.78	0	0.00	1.62	9.90	69.96	120	22.65	1.08	43	37	1.98	46.45	11.80	77.06	74	550	0
1355030808033	19.85	0.46	10	40.21	667.59	51.66	43.18	6.16	1.45	2	0.00	0.18	9.77	70.30	699	25.64	2.40	187	144	4.89	45.80	13.80	75.63	668	2306	19
1355030808034	19.85	0.46	9	40.21	667.59	50.86	39.74	5.98	1.45	1	0.00	0.18	9.77	70.30	669	25.64	2.40	152	121	4.39	45.80	13.80	75.63	328	1990	3
1355030808035	19.85	0.46	91	40.21	667.59	50.96	38.67	3.61	1.45	0	0.00	0.18	9.77	70.30	64	25.64	2.40	14	14	7.30	45.80	13.80	75.63	9	191	0
1355030808036	4.65	0.22	2	29.03	1142.00	52.53	39.79	8.80	0.00	0	0.00	0.36	6.98	75.11	316	6.12	0.00	78	26	1.16	61.55	8.80	79.41	65	307	0
1355030808037	19.85	0.46	4	40.21	667.59	51.92	43.32	8.05	1.45	0	0.00	0.18	9.77	70.30	467	25.64	2.40	138	91	2.52	45.80	13.80	75.63	364	1034	2
1355030808038	13.12	0.96	13	34.81	885.00	52.96	37.82	7.78	0.00	0	0.00	0.25	8.42	75.85	1828	25.05	1.98	468	251	2.40	49.36	10.60	77.97	718	4233	10
1355030808039	27.72	0.49	3	49.68	510.82	52.32	39.63	4.12	0.00	0	0.28	1.51	7.89	71.35	289	62.75	2.21	54	41	5.18	25.61	18.90	72.50	165	656	4
1355030808040	19.85	0.46	3	40.21	667.59	51.96	42.08	6.27	1.45	2	0.00	0.18	9.77	70.30	725	25.64	2.40	138	122	3.17	45.80	13.80	75.63	321	1937	3
1355030808041	13.12	0.96	0	38.76	805.14	50.29	33.28	5.13	1.78	0	0.00	1.62	9.90	69.96	53	22.65	1.08	21	21	3.20	46.45	11.80	77.06	48	338	0
1355030809001	16.23	0.44	0	37.25	770.60	51.68	38.57	5.31	0.38	1	0.00	0.00	8.32	69.87	282	28.88	3.18	106	66	3.55	45.36	11.90	76.94	278	1049	2
1355030809002	14.99	0.40	1	39.63	801.12	52.59	32.80	3.85	0.00	0	0.00	0.00	4.73	70.03	123	38.60	2.51	32	5	0.84	41.86	11.80	77.01	42	270	0
1355030809003	16.23	0.44	2	37.25	770.60	52.45	38.20	3.48	0.38	0	0.00	0.00	8.32	69.87	119	28.88	3.18	26	16	2.30	45.36	11.90	76.94	76	449	6
1355030809004	17.27	1.24	0	45.10	715.70	52.46	35.88	7.03	0.00	0	0.20	0.62	6.60	68.26	403	33.28	1.82	152	88	3.57	37.77	13.20	76.02	450	1367	6
1355030809005	4.36	0.19	46	18.28	1591.14	54.40	46.42	10.55	0.00	0	0.00	0.00	6.10	76.00	321	17.68	0.80	92	6							

1355030809006	17.27	1.24	22	45.10	715.70	51.54	41.88	2.68	0.00	0	0.20	0.62	6.60	68.26	368	33.28	1.82	65	81	4.63	37.77	13.20	76.02	257	1141	14
1355030809007	4.36	0.19	5	18.28	1591.14	54.60	33.91	6.33	0.00	0	0.00	0.00	6.10	76.00	999	17.68	0.80	360	55	1.11	63.88	8.40	79.83	362	1201	2
1355030809008	4.36	0.19	0	18.28	1591.14	53.18	33.93	2.39	0.00	0	0.00	0.00	6.10	76.00	99	17.68	0.80	35	2	0.17	63.88	8.40	79.83	29	150	0
1355030809009	4.36	0.19	0	18.28	1591.14	52.54	42.24	2.54	0.00	0	0.00	0.00	6.10	76.00	88	17.68	0.80	18	2	0.70	63.88	8.40	79.83	16	90	1
1355030809010	4.36	0.19	0	18.28	1591.14	50.73	37.58	3.41	0.00	0	0.00	0.00	6.10	76.00	64	17.68	0.80	21	4	1.28	63.88	8.40	79.83	31	94	0
1355030809011	7.21	0.44	2	30.30	1336.90	52.55	29.13	6.54	0.00	0	0.00	0.00	7.01	73.95	288	9.83	0.00	96	51	1.25	57.89	8.60	79.60	125	674	0
1355030809012	28.40	2.10	0	49.43	521.55	51.71	42.34	1.92	2.70	1	0.26	2.90	7.87	68.78	148	49.74	1.38	20	28	5.02	27.35	17.90	73.06	81	395	1
1355030809013	3.17	0.35	0	17.68	1799.59	53.00	36.06	8.85	0.00	0	0.00	0.00	4.46	79.95	209	2.09	2.41	81	11	1.25	69.52	8.30	79.90	86	359	0
1355030809014	7.21	0.44	1	30.30	1336.90	54.68	44.52	13.10	0.00	1	0.00	0.00	7.01	73.95	481	9.83	0.00	169	80	1.47	57.89	8.60	79.60	210	608	2
1355030809015	3.17	0.35	1	17.68	1799.59	54.96	41.67	5.15	0.00	0	0.00	0.00	4.46	79.95	62	2.09	2.41	17	3	0.73	69.52	8.30	79.90	11	84	0
1355030809016	3.17	0.35	0	17.68	1799.59	52.79	33.49	4.64	0.00	0	0.00	0.00	4.46	79.95	122	2.09	2.41	55	4	0.75	69.52	8.30	79.90	58	130	0
1355030809017	4.36	0.19	10	18.28	1591.14	53.38	33.64	6.59	0.00	1	0.00	0.00	6.10	76.00	224	17.68	0.80	105	19	0.64	63.88	8.40	79.83	92	305	1
1355030809018	4.36	0.19	0	18.28	1591.14	54.79	38.48	10.83	0.00	0	0.00	0.00	6.10	76.00	125	17.68	0.80	41	14	1.13	63.88	8.40	79.83	21	102	0
1355030809019	3.17	0.35	18	17.68	1799.59	53.62	35.33	11.16	0.00	0	0.00	0.00	4.46	79.95	2299	2.09	2.41	854	200	1.16	69.52	8.30	79.90	694	2098	19
1355030809020	9.38	0.48	16	32.32	1068.07	53.43	40.93	11.12	0.00	9	0.00	0.07	6.10	72.98	3767	22.15	0.85	1202	509	2.62	48.89	9.00	79.24	1730	6234	13
1355030809021	4.36	0.19	15	18.28	1591.14	53.83	37.55	11.75	0.00	0	0.00	0.00	6.10	76.00	2436	17.68	0.80	884	218	1.28	63.88	8.40	79.83	670	2052	22
1355030809022	7.21	0.44	1	30.30	1336.90	53.29	38.78	9.93	0.00	0	0.00	0.00	7.01	73.95	1196	9.83	0.00	373	180	1.18	57.89	8.60	79.60	378	2065	6
1355030809023	16.23	0.44	201	37.25	770.60	52.95	41.74	8.42	0.38	1	0.00	0.00	8.32	69.87	3544	28.88	3.18	991	678	3.22	45.36	11.90	76.94	2450	8443	15
1355030809024	17.27	1.24	858	45.10	715.70	52.68	43.25	7.26	0.00	3	0.20	0.62	6.60	68.26	5817	33.28	1.82	1538	1136	3.87	37.77	13.20	76.02	4397	14780	24
1355030809025	14.99	0.40	56	39.63	801.12	52.88	41.49	9.02	0.00	0	0.00	0.00	4.73	70.03	3373	38.60	2.51	1017	623	3.05	41.86	11.80	77.01	2771	7599	25
1355030809026	27.08	2.38	494	53.32	512.15	52.15	46.91	3.50	0.23	3	3.53	0.69	8.97	66.74	5935	43.78	0.00	1135	1202	6.30	22.66	18.70	72.62	3574	19326	14
1355030809027	21.17	0.84	236	46.25	609.56	52.46	45.89	6.08	0.00	24	2.08	0.38	6.39	70.69	6016	35.66	2.94	1569	1434	4.99	39.08	14.90	74.90	5303	18959	54
1355030809028	28.40	2.10	281	49.43	521.55	51.84	46.65	3.50	2.70	5	0.26	2.90	7.87	68.78	5936	49.74	1.38	1381	1553	5.93	27.35	17.90	73.06	5154	22475	83
1355030809029	29.68	1.41	184	54.94	525.60	51.97	46.56	3.60	0.32	9	0.00	0.32	10.78	71.57	4646	49.62	4.33	832	948	4.70	25.04	17.70	73.19	3780	13500	17
1355030809030	7.21	0.44	2	30.30	1336.90	51.63	39.53	10.06	0.00	0	0.00	0.00	7.01	73.95	1428	9.83	0.00	398	203	3.11	57.89	8.60	79.60	903	2940	0
1355030809031	27.08	2.38	0	53.32	512.15	50.62	40.19	5.43	0.23	0	3.53	0.69	8.97	66.74	294	43.78	0.00	47	55	6.59	22.66	18.70	72.62	188	617	3
1355030809032	29.68	1.41	96	54.94	525.60	52.09	43.53	4.79	0.32	0	0.00	0.32	10.78	71.57	359	49.62	4.33	80	92	5.83	25.04	17.70	73.19	256	1052	0
1355030809033	21.17	0.84	1	46.25	609.56	50.76	36.10	6.47	0.00	0	2.08	0.38	6.39	70.69	130	35.66	2.94	25	22	3.65	39.08	14.90	74.90	91	287	0
1355030809034	3.17	0.35	16	17.68	1799.59	53.12	39.26	10.94	0.00	0	0.00	0.00	4.46	79.95	666	2.09	2.41	256	85	1.18	69.52	8.30	79.90	179	840	1
1355030809035	21.17	0.84	0	46.25	609.56	51.52	40.24	6.09	0.00	0	2.08	0.38	6.39	70.69	56	35.66	2.94	18	20	6.46	39.08	14.90	74.90	63	156	0
1355030809036	27.08	2.38	140	53.32	512.15	52.05	48.98	3.49	0.23	0	3.53	0.69	8.97	66.74	219	43.78	0.00	50	77	8.52	22.66	18.70	72.62	181	975	1
1355030809037	29.68	1.41	0	54.94	525.60	52.80	60.05	6.81	0.32	0	0.00	0.32	10.78	71.57	80	49.62	4.33	13	21	7.42	25.04	17.70	73.19	76	200	0
1355030809038	14.99	0.40	19	39.63	801.12	52.49	40.76	8.64	0.00	0	0.00	0.00	4.73	70.03	948	38.60	2.51	290	179	4.20	41.86	11.80	77.01	786	2061	23
1355030809039	9.38	0.48	4	32.32	1068.07	52.15	39.46	10.45	0.00	0	0.00	0.07	6.11	72.98	848	22.15	0.85	247	128	2.22	48.89	9.00	79.24	273	1417	6
1355030809040	21.17	0.84	43	46.25	609.56	53.17	43.10	8.48	0.00	1	2.08	0.38	6.39	70.69	845	35.66	2.94	277	222	4.00	39.08	14.90	74.90	588	2357	12
1355030810001	43.76	4.27	306	67.65	583.21	50.98	52.78	3.25	5.06	5	6.78	14.50	17.39	60.66	585	66.82	5.97	114	200	8.31	14.08	17.60	73.22	482	2807	1
1355030810002	36.02	3.24	205	59.05	415.46	50.76	55.90	1.90	1.07	1	1.62	4.30	12.01	66.12	517	56.56	9.28	60	170	8.89	21.71	24.60	69.58	384	2080	0
1355030810003	36.56	2.83	446	53.03	437.30	51.01	45.91	2.78	1.08	12	0.66	0.78	10.07	67.38	2288	49.41	3.01	422	649	6.20	25.67	23.90	69.93	1675	11281	23
1355030810004	28.40	0.95	9	43.95	548.80	47.80	40.00	2.20	0.14	0	0.00	0.61	9.62	72.19	27	36.06	2.87	9	11	7.21	38.00	16.80	73.22	32	301	1
1355030810005	38.11	4.27	1	67.65	583.21	49.56	74.69	2.13	5.06	0	6.78	14.50	17.39	60.66	136	66.82	5.97	9	27	1.91	14.08	17.60	73.22	24	586	0
1355030810006	43.76	4.27	0	60.90	413.19	49.96	51.02	0.76	0.11	0	0.00	0.48	16.77	69.53	144	62.22	2.58	22	38	8.55	26.43	24.70	69.55	63	691	0
1355030810010	18.59	0.44	0	38.61	670.20	54.38	37.99	4.77	0.38	0	0.09	0.20	7.29	72.03	149	26.66	1.01	56	19	2.64	37.87	14.30	75.27	137	425	0
1355030810011	28.40	0.95	0	43.95	548.80	56.61	50.90	5.42	0.14	0	0.00	0.61	9.62	72.19	120	36.06	2.87	29	8	1.18	38.00	16.80	73.22	84	243	0
1355030810012	23.03	1.79	31	46.17	543.68	52.30	42.62	4.53	0.08	4	0.00	0.00	8.66	68.30	2480	37.79	1.27	571	525	4.46	31.57	16.80	73.68	1991	8537	22
1355030810013	27.82	1.39	11	50.79	603.42	51.32	43.83	4.31	1.51	1	1.12	0.40	10.42	68.62	1713	38.27	3.74	322	360	5.67	33.80	15.60	74.48	1419	5895	4
1355030810014	28.40	0.95	53	43.95	548.80	51.89	42.71	5.00	0.14	9	0.00	0.61	9.62	72.19	3472	36.06	2.87	754	757	4.65	38.00	16.80	73.72	2703	12014	30

1355030810015	25.40	1.84	346	50.32	507.48	50.75	43.18	3.95	0.00	0.00	0.07	9.69	72.80	2587	54.23	0.98	602	749	5.06	28.76	19.20	72.36	1916	12527	113	
1355030810016	18.59	0.44	53	38.61	670.20	51.96	42.20	5.68	0.38	3	0.09	0.20	7.29	72.03	2867	26.66	1.01	781	560	4.18	37.87	14.30	75.27	2062	9201	16
1355030810017	22.20	1.05	3	33.89	589.99	51.14	37.98	3.34	0.00	2	0.00	0.00	9.37	78.00	832	41.21	4.17	192	126	2.66	37.43	15.70	74.39	357	2938	1
1355030810018	22.20	1.05	37	33.89	589.99	51.93	41.45	5.05	0.00	3	0.00	0.00	9.37	78.00	1794	41.21	4.17	494	360	3.28	37.43	15.70	74.39	1460	5972	5
1355030810019	36.56	2.83	5	53.03	437.30	51.59	42.40	3.91	1.08	0	0.66	0.78	10.07	67.38	619	49.41	3.01	98	164	7.08	25.67	23.90	69.93	426	2246	1
1355030810020	38.11	6.52	15	60.90	413.19	51.83	46.34	3.56	0.11	2	0.00	0.48	16.77	69.53	472	62.22	2.58	101	141	6.26	26.43	24.70	69.55	389	2184	5
1355030810021	23.03	1.79	20	46.17	543.68	50.30	45.11	2.92	0.08	1	0.00	0.00	8.66	68.30	1401	37.79	1.27	321	365	5.49	31.57	16.80	73.68	1231	6045	9
1355030810022	36.56	2.83	12	53.03	437.30	51.82	45.87	4.51	1.08	3	0.66	0.78	10.07	67.38	1031	49.41	3.01	167	185	4.61	25.67	23.90	69.93	544	3193	5
1355030810023	36.56	2.83	23	53.03	437.30	50.16	47.53	4.63	1.08	0	0.66	0.78	10.07	67.38	168	49.41	3.01	38	56	6.57	25.67	23.90	69.93	137	662	0
1355030810024	27.82	1.39	4	50.79	603.42	51.64	45.99	5.40	1.51	3	1.12	0.40	10.42	68.62	1123	38.27	3.74	220	196	6.13	33.80	15.60	74.48	708	3684	2
1355030810025	18.59	0.44	11	38.61	670.20	51.70	36.15	3.21	0.38	0	0.09	0.20	7.29	72.03	202	26.66	1.01	27	29	3.01	37.87	14.30	75.27	51	467	0
1355030810026	18.59	0.44	3	38.61	670.20	52.71	42.96	8.34	0.38	0	0.09	0.20	7.29	72.03	575	26.66	1.01	176	129	2.76	37.87	14.30	75.27	426	2100	6
1355030810027	18.59	0.44	1	38.61	670.20	51.18	38.50	5.53	0.38	0	0.09	0.20	7.29	72.03	523	26.66	1.01	83	98	3.39	37.87	14.30	75.27	195	1365	1
1355030810028	27.82	1.39	11	50.79	603.42	53.33	44.03	7.75	1.51	1	1.12	0.40	10.42	68.62	230	38.27	3.74	87	58	5.27	33.80	15.60	74.48	132	845	2
1355030810029	25.40	1.84	0	50.32	507.48	50.55	44.70	3.94	0.00	0	0.00	0.07	9.69	72.80	435	54.23	0.98	77	93	6.36	28.76	19.20	72.36	258	1507	2
1355030810030	18.59	0.44	42	38.61	670.20	52.34	41.82	7.37	0.38	0	0.09	0.20	7.29	72.03	1470	26.66	1.01	430	310	4.08	37.87	14.30	75.27	1168	4165	4
1355030810031	25.40	1.84	4	50.32	507.48	51.52	45.24	4.17	0.00	1	0.00	0.07	9.69	72.80	683	54.23	0.98	114	100	4.37	28.76	19.20	72.36	264	2005	0
1355030810032	28.40	0.95	2	43.95	548.80	52.62	46.22	6.03	0.14	0	0.00	0.61	9.62	72.19	492	36.06	2.87	143	122	5.12	38.00	16.80	73.72	462	1723	1
1355030810033	27.82	1.39	102	50.79	603.42	51.50	47.18	4.70	1.51	1	1.12	0.40	10.42	68.62	1401	38.27	3.74	288	301	4.92	33.80	15.60	74.48	926	4864	8
1355030810034	22.20	1.05	17	33.89	589.99	53.09	42.43	4.79	0.00	1	0.00	0.00	9.37	78.00	1249	41.21	4.17	374	231	2.85	37.43	15.70	74.39	1284	3669	1
1355030810035	27.82	1.39	19	50.79	603.42	51.81	45.03	7.09	1.51	0	1.12	0.40	10.42	68.62	443	38.27	3.74	82	70	7.17	33.80	15.60	74.48	222	1177	0
1355030810036	23.03	1.79	4	46.17	543.68	52.76	44.87	2.56	0.08	0	0.00	0.00	8.66	68.30	1016	37.79	1.27	226	151	3.43	31.57	16.80	73.68	606	2636	6
135503081001	29.35	1.19	0	56.25	494.67	51.28	54.66	2.01	0.71	0	0.24	4.83	11.25	64.57	137	46.49	1.30	12	25	3.18	27.06	19.40	72.21	25	500	0
135503081002	29.35	1.19	252	56.25	494.67	50.69	44.94	1.35	0.71	0	0.24	4.83	11.25	64.57	690	46.49	1.30	94	110	4.85	27.06	19.40	72.21	312	2126	0
135503081003	11.02	0.86	5	42.03	764.64	50.78	45.02	1.78	0.00	2	0.00	0.30	6.65	72.88	688	43.44	1.28	179	127	7.38	36.80	12.10	76.81	396	2676	4
135503081004	6.34	0.00	1	24.69	1304.01	50.00	36.75	3.13	0.00	0	0.00	0.18	5.53	75.10	114	5.75	1.58	32	6	1.15	57.63	8.50	79.65	66	215	0
135503081005	11.48	0.59	0	39.61	846.75	50.41	43.54	3.52	0.00	0	0.00	0.00	5.79	68.30	174	37.24	3.79	12	28	9.90	45.42	12.50	76.50	47	424	0
135503081006	29.35	1.19	245	56.25	494.67	49.57	51.61	1.14	0.71	2	0.24	4.83	11.25	64.57	575	46.49	1.30	66	141	8.95	27.06	19.40	72.21	432	1956	0
135503081007	29.35	1.19	30	56.25	494.67	50.13	35.78	4.68	0.71	0	0.24	4.83	11.25	64.57	302	46.49	1.30	68	155	5.56	27.06	19.40	72.21	324	1542	1
135503081008	29.35	1.19	0	56.25	494.67	49.74	43.23	2.85	0.71	0	0.24	4.83	11.25	64.57	139	46.49	1.30	21	33	4.99	27.06	19.40	72.21	136	218	0
135503081009	29.35	1.19	0	56.25	494.67	55.34	44.13	2.53	0.71	0	0.24	4.83	11.25	64.57	64	46.49	1.30	13	14	5.47	27.06	19.40	72.21	33	183	0
135503081010	29.35	1.19	1	56.25	494.67	51.86	43.92	4.74	0.71	0	0.24	4.83	11.25	64.57	121	46.49	1.30	24	31	8.89	27.06	19.40	72.21	90	454	0
135503081011	29.35	1.19	0	56.25	494.67	50.79	55.92	4.45	0.71	0	0.24	4.83	11.25	64.57	46	46.49	1.30	11	14	2.67	27.06	19.40	72.21	33	220	0
135503081012	29.35	1.19	117	56.25	494.67	52.53	45.99	3.97	0.71	3	0.24	4.83	11.25	64.57	1722	46.49	1.30	323	292	6.06	27.06	19.40	72.21	900	4267	2
135503081013	29.35	1.19	85	56.25	494.67	52.06	49.30	5.18	0.71	3	0.24	4.83	11.25	64.57	335	46.49	1.30	70	75	7.56	27.06	19.40	72.21	125	912	0
135503081014	2.93	0.00	12	12.63	2039.78	53.40	30.19	5.09	0.00	0	0.00	0.78	4.58	79.06	1512	4.93	0.00	613	54	0.39	71.94	8.00	80.12	512	1503	10
135503081015	2.76	0.00	0	8.82	1532.17	51.54	32.04	1.76	0.00	0	0.00	0.00	4.94	78.86	207	5.77	0.00	46	5	0.28	69.04	8.40	79.81	87	215	0
135503081016	6.34	0.00	0	24.69	1304.01	54.32	32.79	3.70	0.00	0	0.00	0.18	5.53	75.10	63	5.75	1.58	21	2	0.63	57.63	8.50	79.65	37	101	0
135503081017	2.76	0.00	3	8.82	1532.17	55.26	32.06	4.32	0.00	0	0.00	0.00	4.94	78.86	372	5.77	0.00	103	11	0.43	69.04	8.40	79.81	117	340	1
135503081018	4.74	0.00	0	16.38	1946.98	48.08	39.75	3.39	0.00	0	0.00	0.00	5.41	78.04	37	10.60	0.00	6	4	0.60	66.20	8.10	80.01	21	88	0
135503081019	29.35	1.19	10	9.17	3061.06	54.46	41.40	15.33	0.00	1	0.00	0.00	3.80	78.04	833	9.99	1.11	416	49	0.89	73.57	7.30	80.75	107	413	5
135503081020	29.35	1.19	3	56.25	494.67	50.10	66.12	1.58	0.71	0	0.24	4.83	11.25	64.57	58	46.49	1.30	14	20	6.73	27.06	19.40	72.21	6	289	0
135503081021	29.35	1.19	200	56.25	494.67	49.08	42.33	1.35	0.71	0	0.24	4.83	11.25	64.57	83	46.49	1.30	24	16	6.50	27.06	19.40	72.21	32	481	0
135503081022	8.27	0.41	85	32.77	918.68	52.56	38.67	8.64	0.00	2	0.61	0.89	6.62	72.37	2848	33.08	3.65	844	338	3.43	42.19	10.20	78.23	1081	4814	10
135503081023	4.74	0.00	0	16.38	1946.98	56.41	31.46	10.09	0.00	0	0.00	0.00	5.41	78.04	108	10.60	0.00	56	4	0.20	66.20	8.10	80.01	20	91	0
135503081024	4.74	0.00	0	16.38	1946.98	54.62	24.48	8.24	0.00	0	0.00	0.00	5.41	78.04	106	10.60	0.00	42	1	0.19	66.20	8.10	80.01	23	66	0
135503081025	4.74	0.00	9	16.38	1946.98	52.46	32.42	6.78	0.00	0	0.00	0.00	5.41	78.04	1055	10.60	0.00	290	108	0.68	66.20	8.10	80.01	312	1242	9
135503081026	1.93	0.36	0	14.84	2388.72	52.60	34.36	2.49	0.00	0	0.00	0.17	2.92	73.63	84	14.83	0.00	25	3	0.27	64.42	7.70	80.40	18	41	0
135503081027	4.74	0.00	0	16.38	1946.98	54.70	45.85	5.69	0.00	0	0.00	0.00	5.41	78.04	73	10.60	0.00	25	1	0.3						

1355030811028	3,22	0,00	42	15,07	2382,53	54,15	39,95	14,61	0,00	1,01	7,12	73,58	5007	14,63	1,69	2124	478	1,08	63,79	7,70	80,38	1245	3668	20	
1355030811029	3,86	0,00	41	15,34	2474,59	54,15	41,54	15,50	0,00	2,43	4,29	75,94	4966	11,99	1,75	1900	525	0,97	66,06	7,70	80,45	1502	3568	14	
1355030811030	1,71	0,00	17	9,17	3061,06	54,23	35,24	11,99	0,00	0,00	3,80	78,20	3501	9,99	1,11	1486	245	0,77	73,57	7,30	80,75	773	1918	9	
1355030811031	1,93	0,36	9	14,84	2388,72	55,57	42,25	16,66	0,00	0,17	2,92	73,63	3103	14,83	0,00	1477	184	0,75	64,42	7,70	80,40	404	1285	26	
1355030811032	4,74	0,00	16	16,38	1946,98	53,89	36,88	12,52	0,00	0,00	5,41	78,04	2320	10,60	0,00	839	157	0,96	66,20	8,10	80,01	460	1527	9	
1355030811033	25,28	1,72	36	48,11	537,61	50,71	41,26	2,51	0,00	0,10	8,08	75,10	5909	47,71	2,54	1229	1100	6,08	28,08	17,10	73,55	2641	19147	55	
1355030811034	6,34	0,00	5	24,69	1304,01	53,14	39,44	11,48	0,00	0,00	5,53	75,10	404	5,75	1,58	128	53	2,38	57,63	8,50	79,65	132	525	23	
1355030811035	11,02	0,86	35	42,03	764,64	52,68	40,73	8,25	0,00	0,30	6,65	72,88	1888	43,44	1,28	538	261	2,70	36,80	12,10	76,81	803	3870	6	
1355030811036	10,65	0,80	68	38,26	850,99	52,40	41,37	6,81	0,00	0,26	5,83	71,01	2500	38,97	3,87	629	407	3,11	37,35	10,80	77,82	1484	5402	27	
1355030811037	5,73	0,15	12	23,36	1256,44	52,56	39,98	9,88	0,00	0,00	4,29	73,95	2124	21,71	0,00	628	214	2,40	52,72	8,60	79,62	570	3296	17	
1355030811038	11,48	0,59	13	39,61	846,75	53,59	40,60	11,27	0,00	0,00	5,79	68,30	1981	37,24	3,79	641	339	3,03	45,42	12,50	76,50	1028	3833	22	
1355030811039	10,65	0,80	20	38,26	850,99	53,10	40,04	8,74	0,00	0,26	5,83	71,01	2074	38,97	3,87	618	307	3,49	37,35	10,80	77,82	942	4202	12	
1355030811040	11,02	0,86	6	42,03	764,64	53,96	38,25	8,08	0,00	0,30	6,65	72,88	186	43,44	1,28	86	27	3,60	36,80	12,10	76,81	128	461	1	
1355030811041	11,02	0,86	0	42,03	764,64	49,92	48,58	4,75	0,00	0,30	6,65	72,88	171	43,44	1,28	42	37	7,08	36,80	12,10	76,81	113	600	0	
1355030811042	6,34	0,00	4	24,69	1304,01	53,96	41,54	12,70	0,00	0,18	5,53	75,10	804	5,75	1,58	247	115	1,87	57,63	8,50	79,65	359	1027	4	
1355030811043	29,35	1,19	12	56,25	494,67	55,91	52,40	2,36	0,00	0,24	4,83	11,25	64,57	46,49	1,30	12	19	9,27	27,06	19,40	72,21	44	173	0	
1355030811044	11,48	0,59	86	39,61	846,75	52,49	40,62	8,29	0,00	0,00	5,79	68,30	1027	37,24	3,79	289	176	4,60	45,42	12,50	76,50	454	2757	4	
1355030811045	6,34	0,00	2	24,69	1304,01	54,73	37,15	11,85	0,00	0,18	5,53	75,10	418	5,75	1,58	153	51	2,02	57,63	8,50	79,65	179	623	0	
1355030811046	5,73	0,15	5	23,36	1256,44	55,00	43,68	12,78	0,00	0,00	4,29	73,95	477	21,71	0,00	144	58	3,22	52,72	8,60	79,62	133	676	0	
1355030811047	11,02	0,86	0	42,03	764,64	51,24	45,42	4,72	0,00	0,30	6,65	72,88	52	43,44	1,28	9	20	5,20	36,80	12,10	76,81	63	163	4	
1355030811048	5,73	0,15	3	39,61	846,75	55,00	39,92	12,54	0,00	0,00	4,29	73,95	280	21,71	0,00	102	39	2,41	52,72	8,60	79,62	88	518	0	
1355030811050	2,76	0,00	0	8,82	1532,17	53,62	36,29	9,05	0,00	0,00	4,94	78,86	496	5,77	0,00	215	38	0,99	69,04	8,40	79,81	146	492	4	
1355030811051	8,27	0,41	1	32,77	918,68	53,87	40,29	11,54	0,00	0,61	0,89	6,62	72,37	599	33,08	3,65	212	72	2,85	42,19	10,20	78,23	230	969	8
1355030811052	11,02	0,86	0	42,03	764,64	52,42	44,77	15,07	0,00	0,00	3,80	78,20	98	9,99	1,11	44	0	0,48	73,57	7,30	80,75	9	62	1	
1355030811053	6,34	0,00	20	24,69	1304,01	53,53	41,19	13,04	0,00	0,18	5,53	75,10	824	5,75	1,58	326	125	1,84	57,63	8,50	79,65	329	1127	6	
1355030811054	11,02	0,86	8	42,03	764,64	52,67	43,86	8,30	0,00	0,30	6,65	72,88	104	43,44	1,28	22	32	3,80	36,80	12,10	76,81	124	253	0	
1355030811055	1,71	0,00	0	9,17	3061,06	54,58	22,74	2,19	0,00	0,00	3,80	78,20	98	9,99	1,11	44	0	0,48	73,57	7,30	80,75	9	62	1	
1355030811056	10,65	0,80	1	38,26	850,99	51,28	36,97	8,84	0,00	0,26	5,83	71,01	184	38,97	3,87	66	47	4,25	37,35	10,80	77,82	173	667	0	
1355030811057	29,35	1,19	65	56,25	494,67	52,84	39,29	3,06	0,00	0,24	4,83	11,25	64,57	177	46,49	1,30	30	50	8,75	27,06	19,40	72,21	165	441	1
1355030811058	4,74	0,00	2	16,38	1946,98	54,55	33,78	9,29	0,00	0,00	5,41	78,04	78	10,60	0,00	31	4	1,68	66,20	8,10	80,01	7	96	0	
1355030811059	8,27	0,41	1	32,77	918,68	51,10	49,69	12,47	0,00	0,61	0,89	6,62	72,37	177	33,08	3,65	51	39	2,95	42,19	10,20	78,23	100	431	0
1355030811060	2,76	0,00	0	8,82	1532,17	55,70	39,35	12,18	0,00	0,00	4,94	78,86	58	5,77	0,00	28	2	0,31	69,04	8,40	79,81	1	7	0	
1355030811061	6,34	0,00	0	24,69	1304,01	54,29	36,52	4,51	0,00	0,18	5,53	75,10	125	5,75	1,58	49	14	0,92	57,63	8,50	79,65	68	323	1	
1355030811062	2,76	0,00	3	8,82	1532,17	53,63	35,54	11,83	0,00	0,00	4,94	78,86	745	5,77	0,00	212	43	1,47	69,04	8,40	79,81	180	598	4	
1355030811063	5,73	0,15	11	23,36	1256,44	51,29	38,12	9,65	0,00	0,00	4,29	73,95	560	21,71	0,00	174	74	2,89	52,72	8,60	79,62	194	564	10	
1355030811064	1,93	0,36	35	14,84	2388,72	55,41	42,00	16,09	0,00	0,00	0,17	2,92	73,63	1572	14,83	0,00	733	106	1,14	64,42	7,70	80,40	321	1050	11
1355030811065	6,34	0,00	1	24,69	1304,01	55,00	39,19	14,31	0,00	0,00	5,53	75,10	208	5,75	1,58	96	21	0,63	57,63	8,50	79,65	29	247	0	
1355030811066	2,93	0,00	4	12,63	2039,78	52,91	33,51	10,26	0,00	0,00	4,58	79,06	610	4,93	0,00	297	42	0,97	71,94	8,00	80,12	108	476	3	
1355030811067	8,27	0,41	0	32,77	918,68	54,02	42,15	13,53	0,00	0,61	0,89	6,62	72,37	1037	33,08	3,65	404	110	2,49	42,19	10,20	78,23	326	1347	2
1355030811068	2,93	0,00	2	12,63	2039,78	52,70	36,77	10,81	0,00	0,78	4,58	79,06	697	4,93	0,00	202	49	0,77	71,94	8,00	80,12	108	451	2	
1355030811069	6,34	0,00	9	24,69	1304,01	52,58	38,11	10,85	0,00	0,18	5,53	75,10	484	5,75	1,58	181	89	1,47	57,63	8,50	79,65	186	748	3	
1355030811070	11,02	0,86	2	42,03	764,64	51,23	38,87	6,62	0,00	0,00	3,80	78,20	441	43,44	1,28	135	66	3,94	36,80	12,10	76,81	281	962	11	
1355030811071	2,93	0,00	0	12,63	2039,78	53,50	32,13	5,32	0,00	0,00	4,58	79,06	80	4,93	0,00	35	3	1,13	71,94	8,00	80,12	16	84	0	
1355030811072	29,35	1,19	0	56,25	494,67	49,23	41,52	0,88	0,00	0,24	4,83	11,25	64,57	242	46,49	1,30	30	53	5,22	27,06	19,40	72,21	118	923	0
1355030811073	11,02	0,86	0	42,03	2039,78	54,04	35,38	6,57	0,00	0,00	4,58	79,06	114	4,93	0,00	45	1	0,63	71,94	8,00	80,12	18	74	0	
1355030811074	2,93	0,00	0	12,63	764,64	48,75	35,98	1,11	0,00	0,00	3,80	78,20	49	43,44	1,28	7	5	0,37	36,80	12,10	76,81	12	144	0	
1355030811075	2,76	0,00	8	8,82	1532,17	54,28	32,83	10,04	0,00	0,00	4,94	78,86	1781	5,77	0,00	772	104	0,86	69,04	8,40	79,81	618	1385	10	
1355030811076	2,93	0,00	4	12,63	2039,78	52,76	40,31	14,63	0,00	0,00	4,58	79,06	982	4,93	0,00	372	75	0,79	71,94	8,00	80,12	193	694	3	

1355030811077	11.02	0.86	0	42.03	764.64	53.38	53.00	14.81	0.00	0	0.00	0.30	6.65	72.88	62	43.44	1.28	12	20	0.00	36.80	12.10	76.81	38	15	0
1355030811078	11.48	0.59	0	39.61	846.75	50.65	43.60	15.25	0.00	0	0.00	0.00	5.79	68.30	151	37.24	3.79	30	26	1.83	45.42	12.50	76.50	24	89	0
1355030811079	11.02	0.86	0	42.03	764.64	51.79	40.60	5.32	0.00	0	0.00	0.30	6.65	72.88	252	43.44	1.28	97	67	5.58	36.80	12.10	76.81	261	1083	2
1355030811080	2.76	0.00	0	8.82	1532.17	51.95	30.61	2.73	0.00	0	0.00	0.00	4.94	78.86	73	5.77	0.00	35	5	0.49	69.04	8.40	79.81	20	117	0
1355030811081	29.35	1.19	89	56.25	494.67	52.07	61.81	2.68	0.71	0	0.24	4.83	11.25	64.57	122	46.49	1.30	19	29	5.09	27.06	19.40	72.21	49	394	0
1355030811082	11.48	0.59	1	39.61	846.75	50.97	40.72	10.97	0.00	1	0.00	0.00	5.79	68.30	487	37.24	3.79	139	39	2.62	45.42	12.50	76.50	231	783	2
1355030811083	5.73	0.15	6	23.36	1256.44	53.85	43.22	15.74	0.00	0	0.00	0.00	4.29	73.95	665	21.71	0.00	235	72	2.18	52.72	8.60	79.62	169	875	1
1355030812001	30.71	2.52	17	46.13	464.95	50.07	40.87	5.77	0.68	1	0.27	1.64	11.78	71.89	201	35.98	3.90	38	49	4.22	35.31	22.30	70.70	150	604	0
1355030812002	39.98	4.85	0	53.04	409.33	53.08	51.44	2.84	1.49	0	0.00	0.68	9.38	62.13	53	49.79	4.24	13	25	4.36	24.47	24.90	69.47	42	359	0
1355030812003	13.94	1.27	0	36.94	855.92	51.38	38.53	4.47	0.00	0	0.00	0.48	8.83	73.24	159	16.05	1.95	29	32	3.99	48.68	12.20	76.77	101	505	0
1355030812004	13.94	1.27	3	36.94	855.92	52.38	38.32	5.30	0.00	0	0.00	0.48	8.83	73.24	310	16.05	1.95	90	83	3.32	48.68	12.20	76.77	245	1392	2
1355030812005	39.98	4.85	71	53.04	409.33	51.26	56.92	2.61	1.49	5	0.00	0.68	9.38	62.13	299	49.79	4.24	45	92	9.82	24.47	24.90	69.47	235	1306	0
1355030812006	11.04	0.00	2	32.61	1150.99	49.54	36.27	8.13	0.99	0	0.00	0.17	5.81	75.85	63	17.62	2.41	21	13	2.49	57.42	8.80	79.45	29	166	0
1355030812007	6.66	0.22	0	18.91	1368.23	50.00	35.61	1.68	1.54	0	0.00	0.77	6.36	73.06	67	23.46	2.97	9	2	0.37	57.50	8.50	79.71	18	49	0
1355030812008	13.94	1.27	4	36.94	855.92	53.53	44.17	11.54	0.00	0	0.00	0.48	8.83	73.24	293	16.05	1.95	115	65	2.30	48.68	12.20	76.77	135	823	0
1355030812009	11.04	0.00	0	32.61	1150.99	53.49	34.51	5.14	0.99	0	0.00	0.17	5.81	75.85	213	17.62	2.41	77	30	2.30	57.42	8.80	79.45	82	624	0
1355030812010	27.20	2.51	85	44.95	509.50	51.48	47.48	5.08	0.39	1	0.39	0.39	11.95	70.94	2104	44.01	2.20	426	506	4.92	32.01	19.10	72.40	1321	7401	15
1355030812011	19.89	0.16	50	36.17	732.67	52.28	41.77	7.28	0.00	4	0.00	0.00	9.03	69.34	5200	29.54	1.95	1332	893	3.96	42.19	12.90	76.26	2794	15151	42
1355030812012	24.34	1.17	56	42.58	584.38	52.16	43.40	6.17	0.20	1	0.00	0.80	7.41	68.28	1180	45.90	1.39	287	270	4.59	39.53	15.80	74.32	705	3945	4
1355030812013	25.02	1.10	20	43.00	558.01	51.63	42.97	6.08	0.22	3	0.54	3.58	9.75	69.73	1110	40.09	0.86	325	270	4.19	33.18	16.70	73.79	1031	4916	29
1355030812014	22.72	1.47	8	43.62	589.59	52.30	43.78	5.86	0.00	0	0.00	0.00	8.65	64.04	1106	24.28	2.70	297	229	4.38	34.69	15.70	74.38	882	4533	2
1355030812015	13.94	1.27	11	36.94	855.92	52.29	42.63	8.89	0.00	6	0.00	0.48	8.83	73.24	2379	16.05	1.95	634	363	2.43	48.68	12.20	76.77	916	5564	14
1355030812016	30.93	1.09	56	40.21	455.55	52.52	42.66	3.19	0.29	1	0.00	0.39	12.22	73.36	4487	32.70	3.67	940	931	4.54	32.07	22.90	70.40	3341	16066	47
1355030812017	30.71	2.52	54	46.13	464.95	52.27	42.60	3.52	0.68	4	0.27	1.64	11.78	71.89	3253	35.98	3.90	734	785	4.50	35.31	22.30	70.70	2569	12192	41
1355030812018	27.59	0.85	50	45.63	494.12	52.46	44.72	4.26	1.91	5	0.00	3.63	11.23	68.31	3690	41.16	1.88	882	785	5.00	38.44	19.50	72.18	2512	13921	17
1355030812019	22.72	1.47	1	43.62	589.59	52.65	42.40	7.93	0.00	0	0.00	0.00	8.65	64.04	561	24.28	2.70	127	115	4.62	34.69	15.70	74.38	395	1658	2
1355030812020	24.34	1.17	1	42.58	584.38	51.77	42.69	6.38	0.20	3	0.00	0.80	7.41	68.28	443	45.90	1.39	122	117	3.63	39.53	15.80	74.32	419	1956	6
1355030812021	30.71	2.52	0	46.13	464.95	50.67	53.46	2.77	0.68	0	0.27	1.64	11.78	71.89	196	35.98	3.90	32	46	4.78	35.31	22.30	70.70	107	626	0
1355030812022	19.45	0.91	4	37.79	668.79	52.30	42.65	7.20	0.00	1	0.00	0.00	10.34	69.45	1140	29.96	4.87	336	224	3.51	35.79	13.70	75.67	559	4175	3
1355030812023	22.72	1.47	23	43.62	589.59	51.63	44.36	7.25	0.00	2	0.00	0.00	8.65	64.04	1384	24.28	2.70	331	270	4.59	34.69	15.70	74.38	774	4430	2
1355030812024	39.98	4.85	2	53.04	409.33	49.75	44.75	5.17	1.49	1	0.00	0.68	9.38	62.13	122	49.79	4.24	41	40	3.82	24.47	24.90	69.47	106	559	0
1355030812025	24.34	1.17	0	42.58	584.38	52.10	39.12	5.10	0.20	0	0.00	0.80	7.41	68.28	1179	45.90	1.39	210	212	3.84	39.53	15.80	74.32	501	3651	11
1355030812026	39.98	4.85	0	53.04	409.33	50.42	44.76	2.83	1.49	0	0.00	0.68	9.38	62.13	282	49.79	4.24	26	82	6.97	24.47	24.90	69.47	229	1046	0
1355030812027	30.71	2.52	29	46.13	464.95	51.27	47.26	3.94	0.68	9	0.27	1.64	11.78	71.89	1360	35.98	3.90	284	423	6.65	35.31	22.30	70.70	1157	5949	2
1355030812028	27.20	2.51	5	44.95	509.50	52.36	45.37	4.85	0.39	1	0.39	0.39	11.95	70.94	325	44.01	2.20	70	80	5.41	32.01	19.10	72.40	201	1318	1
1355030812029	39.98	4.85	145	53.04	409.33	51.25	64.81	1.64	1.49	1	0.00	0.68	9.38	62.13	152	49.79	4.24	28	47	13.87	24.47	24.90	69.47	104	576	0
1355030812030	13.94	1.27	1	36.94	855.92	52.16	37.34	4.64	0.00	0	0.00	0.48	8.83	73.24	351	16.05	1.95	106	65	4.84	48.68	12.20	76.77	231	1383	0
1355030812031	30.71	2.52	0	46.13	464.95	50.87	40.29	3.24	0.68	0	0.27	1.64	11.78	71.89	733	35.98	3.90	126	152	5.10	35.31	22.30	70.70	427	2598	3
1355030812032	39.98	4.85	27	53.04	409.33	51.28	47.87	3.58	1.49	0	0.00	0.68	9.38	62.13	486	49.79	4.24	114	118	8.52	24.47	24.90	69.47	378	1987	0
1355030812033	39.98	4.85	3	53.04	409.33	51.73	45.29	4.84	1.49	0	0.00	0.68	9.38	62.13	157	49.79	4.24	33	25	3.63	24.47	24.90	69.47	86	631	0
1355030812034	39.98	4.85	17	53.04	409.33	49.03	43.19	2.42	1.49	1	0.00	0.68	9.38	62.13	105	49.79	4.24	21	33	11.72	24.47	24.90	69.47	111	639	3
1355030812035	13.94	1.27	0	36.94	855.92	53.05	35.13	2.12	0.00	0	0.00	0.48	8.83	73.24	60	16.05	1.95	22	3	0.35	48.68	12.20	76.77	22	146	0
1355030812036	39.98	4.85	13	53.04	409.33	51.19	52.34	2.51	1.49	1	0.00	0.68	9.38	62.13	354	49.79	4.24	55	103	6.79	24.47	24.90	69.47	273	1155	0
1355030812037	1.71	0.14	1	8.41	4631.37	51.62	39.03	7.83	0.00	0	0.00	0.30	4.13	75.99	236	12.87	1.10	62	13	4.14	69.70	6.70	81.38	68	405	0
1355030812038	13.94	1.27	0	36.94	855.92	51.88	36.10	1.17	0.00	0	0.00	0.48	8.83	73.24	94	16.05	1.95	17	1	1.26	48.68	12.20	76.77	48	173	5
1355030812039	19.45	0.91	36	37.79	668.79	52.04	42.51	6.18	0.00	1	0.00	0.00	10.34	69.45	3271	29.96	4.87	807	592	3.67	35.79	13.70	75.67	1612	9716	16
1355030812040	24.34	1.17	30	42.58	584.38	50.12	42.64	6.57	0.20	1	0.00	0.80	7.41	68.28	243	45.90	1.39	64	57	3.68	39.53	15.80	74.32	150	915	0
1355030812041	22.72	1.47	10	43.62	589.59	50.41	45.03	4.29	0.00	0	0.00	0.00	8.65	64.04	321	24.28	2.70	107	103	4.82	34.69	15.70	74.38	195	1728	1
1355030812042	39.98	4.85	130	53.04	409.33	55.12	51.69	2.70	1.49	0	0.00	0.68	9.38													

1355030812043	39.98	4.85	0	53.04	409.33	50.30	46.68	3.03	1.49	0	0.00	0.68	9.38	62.13	191	49.79	4.24	38	67	6.04	24.47	24.90	24.90	69.47	127	995	0
1355030812044	39.98	4.85	47	53.04	409.33	52.06	50.88	1.39	1.49	0	0.00	0.68	9.38	62.13	256	49.79	4.24	40	87	4.69	24.47	24.90	24.90	69.47	243	1186	0
1355030812045	39.98	4.85	1	53.04	409.33	51.45	48.03	4.25	1.49	2	0.00	0.68	9.38	62.13	392	49.79	4.24	92	108	9.18	24.47	24.90	24.90	69.47	183	1672	0
1355030812046	39.98	4.85	3	53.04	409.33	51.16	57.71	2.26	1.49	3	0.00	0.68	9.38	62.13	262	49.79	4.24	30	88	7.45	24.47	24.90	24.90	69.47	164	1031	9
1355030812047	27.20	2.51	2	44.95	509.50	51.52	43.81	4.57	0.39	0	0.39	0.39	11.95	70.94	610	44.01	2.20	126	124	5.91	32.01	19.10	19.10	72.40	376	2293	0
1355030812048	27.20	2.51	0	44.95	509.50	51.47	39.61	3.89	0.39	1	0.39	0.39	11.95	70.94	207	44.01	2.20	47	49	4.59	32.01	19.10	19.10	72.40	128	904	1
1355030812049	27.20	2.51	10	44.95	509.50	51.72	41.85	3.65	0.39	0	0.39	0.39	11.95	70.94	1252	44.01	2.20	297	263	4.70	32.01	19.10	19.10	72.40	989	4852	12
1355030812050	39.98	4.85	0	53.04	409.33	50.68	42.40	6.62	1.49	1	0.00	0.68	9.38	62.13	64	49.79	4.24	20	18	3.52	24.47	24.90	24.90	69.47	50	341	0
1355030812051	39.98	4.85	48	53.04	409.33	51.49	48.53	3.90	1.49	5	0.00	0.68	9.38	62.13	542	49.79	4.24	94	167	8.13	24.47	24.90	24.90	69.47	337	2232	4
1355030812052	24.34	1.17	10	42.58	584.38	51.82	44.27	6.17	0.20	0	0.00	0.80	7.41	68.28	821	45.90	1.39	202	155	3.90	39.53	15.80	15.80	74.32	494	2794	0
1355030812053	27.20	2.51	1	44.95	509.50	51.37	38.40	6.71	0.39	1	0.39	0.39	11.95	70.94	106	44.01	2.20	21	19	4.25	32.01	19.10	19.10	72.40	64	275	0
1355030812054	25.02	1.10	42	43.00	558.01	51.29	42.82	4.85	0.22	1	0.54	3.58	9.75	69.73	2362	40.09	0.86	548	564	4.81	33.18	16.70	16.70	73.79	1595	9806	13
1355030812055	13.94	1.27	0	36.94	855.92	51.04	43.38	2.66	0.00	0	0.00	0.48	8.83	73.24	106	16.05	1.95	18	14	1.28	48.68	10.70	10.70	77.88	79	294	2
1355030813001	8.35	0.61	3	19.99	1275.15	54.16	35.10	5.61	0.00	1	0.00	0.00	5.16	74.90	415	27.46	1.26	152	33	0.92	58.98	8.70	79.49	154	585	1	
1355030813002	1.71	0.14	1	8.41	4631.37	52.34	38.30	2.08	0.00	0	0.00	0.30	4.13	75.99	285	12.87	1.10	51	3	0.60	69.70	6.70	81.38	67	248	0	
1355030813003	6.66	0.22	1	18.91	1368.23	51.92	35.46	1.71	1.54	0	0.00	0.77	6.36	73.06	174	23.46	2.97	33	2	0.28	57.50	8.50	79.71	33	142	0	
1355030813004	8.74	0.41	6	21.49	1049.71	53.03	38.02	4.06	0.07	0	0.00	0.00	6.20	79.05	172	17.37	0.00	46	15	2.70	55.46	9.30	79.01	75	450	1	
1355030813005	8.35	0.61	8	19.99	1275.15	51.01	42.51	8.73	0.00	0	0.00	0.00	5.16	74.90	341	27.46	1.26	84	60	0.94	58.98	8.70	79.49	106	385	1	
1355030813006	24.28	0.25	3	45.56	647.42	51.72	41.31	6.11	0.00	1	0.73	0.04	6.14	64.70	926	32.79	0.70	288	161	3.11	32.46	14.30	75.26	442	2824	5	
1355030813007	8.35	0.61	0	19.99	1275.15	52.49	34.73	8.12	0.00	0	0.00	0.00	5.16	74.90	241	27.46	1.26	54	46	1.60	58.98	8.70	79.49	102	320	0	
1355030813008	8.35	0.61	0	19.99	1275.15	53.37	44.25	6.46	0.00	0	0.00	0.00	5.16	74.90	71	27.46	1.26	25	14	1.63	58.98	8.70	79.49	43	189	0	
1355030813009	8.35	0.61	5	19.99	1275.15	49.72	28.94	6.57	0.00	0	0.00	0.00	5.16	74.90	260	27.46	1.26	62	59	1.05	58.98	8.70	79.49	148	661	1	
1355030813010	8.35	0.61	4	19.99	1275.15	52.26	41.24	7.19	0.00	0	0.00	0.00	5.16	74.90	140	27.46	1.26	53	22	1.08	58.98	8.70	79.49	167	421	0	
1355030813011	45.18	2.07	774	58.16	400.61	50.05	47.56	1.46	3.80	3	1.08	5.83	13.32	64.23	355	67.86	3.54	95	153	2.75	21.42	25.00	69.42	484	2205	0	
1355030813012	45.18	2.07	8	58.16	400.61	51.41	46.03	4.67	3.80	0	1.08	5.83	13.32	64.23	230	67.86	3.54	61	54	6.84	21.42	25.00	69.42	106	971	0	
1355030813013	8.74	0.41	15	21.49	1049.71	51.55	35.28	5.30	0.07	0	0.00	0.00	6.20	79.05	1141	17.37	0.00	261	194	1.21	55.46	9.30	79.01	512	1987	10	
1355030813014	6.66	0.22	3	18.91	1368.23	53.63	33.33	9.35	1.54	0	0.00	0.77	6.36	73.06	271	23.46	2.97	74	21	0.45	57.50	8.50	79.71	189	265	2	
1355030813015	8.35	0.61	4	19.99	1275.15	52.24	33.59	6.43	0.00	0	0.00	0.00	5.16	74.90	575	27.46	1.26	146	74	1.67	58.98	8.70	79.49	257	1006	0	
1355030813016	8.35	0.61	1	19.99	1275.15	51.77	43.40	3.99	0.00	0	0.00	0.00	5.16	74.90	221	27.46	1.26	60	23	2.71	58.98	8.70	79.49	163	475	0	
1355030813017	6.66	0.22	2	18.91	1368.23	54.40	41.78	7.82	1.54	0	0.00	0.77	6.36	73.06	269	23.46	2.97	67	17	0.98	57.50	8.50	79.71	97	233	0	
1355030813018	8.35	0.61	13	19.99	1275.15	53.45	38.07	3.65	0.00	0	0.00	0.00	5.16	74.90	359	27.46	1.26	98	27	1.20	58.98	8.70	79.49	215	602	0	
1355030813019	8.35	0.61	0	19.99	1275.15	53.00	33.73	4.76	0.00	1	0.00	0.00	5.16	74.90	201	27.46	1.26	52	17	1.77	58.98	8.70	79.49	115	301	3	
1355030813020	28.46	1.07	10	41.79	487.39	51.47	47.89	3.50	0.64	0	0.19	1.75	12.72	70.68	1028	40.87	2.05	196	311	4.30	35.31	19.80	72.02	418	4139	0	
1355030813021	45.18	2.07	303	58.16	400.61	49.38	51.40	2.53	3.80	0	1.08	5.83	13.32	64.23	640	67.86	3.54	87	207	8.65	21.42	25.00	69.42	479	3058	7	
1355030813022	43.76	4.27	599	67.65	583.21	48.89	47.41	0.70	5.06	0	6.78	14.50	17.39	60.66	138	66.82	5.97	23	72	0.60	14.08	17.60	73.22	270	1188	0	
1355030813023	45.18	2.07	6	58.16	400.61	49.55	50.46	2.31	3.80	0	1.08	5.83	13.32	64.23	217	67.86	3.54	38	93	8.10	21.42	25.00	69.42	194	1068	0	
1355030813024	45.18	2.07	5	58.16	400.61	50.22	56.42	0.97	3.80	3	1.08	5.83	13.32	64.23	133	67.86	3.54	16	46	13.64	21.42	25.00	69.42	73	523	0	
1355030813025	43.76	4.27	6	67.65	583.21	45.89	103.54	1.27	5.06	0	6.78	14.50	17.39	60.66	203	66.82	5.97	15	68	2.35	14.08	17.60	73.22	59	931	0	
1355030813026	45.18	2.07	165	58.16	400.61	52.71	50.54	2.17	3.80	2	1.08	5.83	13.32	64.23	364	67.86	3.54	80	126	9.06	21.42	25.00	69.42	348	1530	6	
1355030813027	45.18	2.07	30	58.16	400.61	49.87	44.72	2.23	3.80	1	1.08	5.83	13.32	64.23	412	67.86	3.54	83	127	5.41	21.42	25.00	69.42	188	2464	3	
1355030813028	43.76	4.27	0	67.65	583.21	51.12	58.35	2.77	5.06	0	6.78	14.50	17.39	60.66	176	66.82	5.97	22	40	6.79	14.08	17.60	73.22	99	499	0	
1355030813029	43.76	4.27	1	67.65	583.21	46.93	38.92	6.97	5.06	0	6.78	14.50	17.39	60.66	147	66.82	5.97	24	24	0.90	14.08	17.60	73.22	79	329	5	
1355030813030	45.18	2.07	1	58.16	400.61	54.10	38.82	9.57	3.80	0	1.08	5.83	13.32	64.23	89	67.86	3.54	16	19	1.68	21.42	25.00	69.42	72	222	5	
1355030813031	45.18	2.07	28	58.16	400.61	52.68	44.71	6.12	3.80	0	1.08	5.83	13.32	64.23	310	67.86	3.54	67	91	7.26	21.42	25.00	69.42	256	1201	2	
1355030813032	45.18	2.07	1	58.16	400.61	54.90	47.23	2.97	3.80	0	1.08	5.83	13.32	64.23	166	67.86	3.54	26	51	9.00	21.42	25.00	69.42	141	548	13	
1355030813033	45.18	2.07	0	58.16	400.61	51.26	39.07	3.99	3.80	0	1.08	5.83	13.32	64.23	107	67.86	3.54	10	31	7.72	21.42	25.00	69.42	75	376	0	
1355030813034	45.18	2.07	0	58.16	400.61	50.56	50.07	3.48	3.80	0	1.08	5.83	13.32	64.23	121	67.86	3.54	37	42	11.40	21.42	25.00	69.42	164	550	0	
1355030813035	45.18	2.07	110	58.16	400.61	52.52	57.41	1.39	3.80	2	1.08	5.83	13.32	64.23	244	67.86	3.54	44	44	10.73	21.42	25.00	69.42	160	814	3	
1355030813036	10.37	0.35	35	31.26																							

1355030813037	15.12	0.50	95	33.61	819.94	51.93	35.86	5.13	0.00	1	0.18	0.68	9.10	70.14	2501	19.65	1.86	616	552	2.52	43.51	11.40	77.32	1675	7860	34
1355030813038	25.20	2.27	2	49.59	576.50	51.72	43.32	2.85	0.06	0	0.26	1.12	10.54	68.48	115	46.34	2.83	28	24	7.03	27.52	16.00	74.19	59	396	1
1355030813039	25.20	2.27	89	49.59	576.50	52.41	43.13	5.31	0.06	0	0.26	1.12	10.54	68.48	1368	46.34	2.83	264	313	3.75	27.52	16.00	74.19	1021	3944	4
1355030813040	21.51	1.80	66	40.37	672.61	52.29	41.72	5.31	0.00	5	0.00	0.00	11.45	73.48	2846	42.93	2.77	672	748	3.89	39.55	13.60	75.75	2369	9626	34
1355030813041	19.59	0.85	37	37.49	747.78	52.03	40.65	7.02	0.40	9	0.00	0.00	8.34	71.26	4234	32.56	1.75	1112	778	3.46	42.86	12.60	76.49	2501	12546	27
1355030813042	8.74	0.41	12	21.49	1049.71	52.38	43.66	9.56	0.07	0	0.00	0.00	6.20	79.05	598	17.37	0.00	169	98	2.58	55.46	9.30	79.01	351	1390	3
1355030813043	13.92	0.59	46	26.62	970.35	52.56	41.50	8.02	0.00	4	0.09	0.19	7.86	77.22	3243	29.15	1.54	847	533	2.49	47.29	10.60	77.93	1879	7694	14
1355030813044	15.93	0.41	42	35.75	809.85	52.63	39.32	6.76	0.33	4	0.00	0.41	7.54	72.85	2089	24.72	1.56	572	431	2.56	48.23	11.60	77.22	1701	5009	13
1355030813045	8.74	0.41	36	21.49	1049.71	53.46	39.62	7.00	0.07	0	0.00	0.00	6.20	79.05	980	17.37	0.00	346	138	2.07	55.46	9.30	79.01	357	1905	1
1355030813046	15.93	0.41	43	35.75	809.85	51.23	41.64	5.57	0.33	0	0.00	0.41	7.54	72.85	1524	24.72	1.56	411	291	3.60	48.23	11.60	77.22	1004	4947	6
1355030813047	9.64	0.99	42	26.75	828.93	53.08	38.08	6.97	0.00	1	0.00	0.14	7.42	76.55	4563	25.65	1.41	1333	677	2.19	52.54	11.20	77.52	3202	10650	13
1355030813048	16.31	1.19	15	28.69	727.76	53.23	39.48	6.59	0.00	0	0.00	0.29	9.30	71.81	3910	29.79	2.41	1025	617	2.93	40.74	13.00	76.20	2697	9407	18
1355030813049	7.92	0.18	35	21.22	885.30	54.40	36.52	7.21	0.00	0	0.00	0.00	9.76	80.41	4024	16.68	1.23	1309	453	1.69	51.10	10.60	77.98	2720	8291	15
1355030813050	28.46	1.07	126	41.79	487.39	52.37	44.56	2.39	0.64	3	0.19	1.75	12.72	70.68	3487	40.87	2.05	812	497	4.25	35.31	19.80	72.02	2275	9976	18
1355030813051	8.35	0.61	4	19.99	1275.15	51.35	35.91	5.42	0.00	0	0.00	0.00	5.16	74.90	696	27.46	1.26	197	113	2.02	58.98	8.70	79.49	357	1911	0
1355030813052	12.42	0.78	7	33.22	760.63	51.98	39.53	6.60	0.22	0	0.00	0.39	7.15	69.23	1359	19.85	6.78	365	276	3.13	40.31	12.10	76.83	823	3963	19
1355030813053	1.71	0.14	0	8.41	4631.37	52.77	32.39	1.91	0.00	0	0.00	0.30	4.13	75.99	75	12.87	1.10	14	2	0.00	69.70	6.70	81.38	23	92	0
1355030813054	24.28	0.25	7	45.56	647.42	51.97	40.78	6.73	0.00	0	0.73	0.04	6.14	64.70	1007	32.79	0.70	251	182	3.58	32.46	14.30	75.26	453	2560	3
1355030813055	25.20	2.27	1	49.59	576.50	49.50	43.16	2.97	0.06	0	0.26	1.12	10.54	68.48	214	46.34	2.83	55	62	5.59	27.52	16.00	74.19	144	991	0
1355030813056	45.18	2.07	73	58.16	400.61	48.26	58.46	0.00	3.80	0	1.08	5.83	13.32	64.23	57	67.86	3.54	8	16	6.25	21.42	25.00	69.42	39	237	0
1355030813057	15.93	0.41	3	35.75	809.85	52.24	36.22	5.16	0.33	0	0.00	0.41	7.54	72.85	204	24.72	1.56	55	72	2.51	48.23	11.60	77.22	198	770	2
1355030813058	12.42	0.78	13	33.22	760.63	52.46	39.16	6.30	0.22	1	0.00	0.39	7.15	69.23	680	19.85	6.78	151	123	3.18	40.31	12.10	76.83	357	1512	6
1355030813059	8.74	0.41	11	21.49	1049.71	53.81	34.57	4.65	0.07	0	0.00	0.00	6.20	79.05	1022	17.37	0.00	219	146	1.53	55.46	9.30	79.01	739	2151	4
1355030813060	15.12	0.50	9	33.61	819.94	52.69	43.51	9.18	0.00	0	0.18	0.68	9.10	70.14	1235	19.65	1.86	348	277	2.67	43.51	11.40	77.32	1126	3222	11
1355030813061	10.37	0.35	8	31.26	867.52	53.04	42.41	9.45	0.00	0	0.00	1.11	7.85	70.77	719	27.27	4.07	220	169	1.94	44.25	10.60	77.91	499	1924	6
1355030813062	24.28	0.25	5	45.56	647.42	52.06	49.62	8.55	0.00	0	0.73	0.04	6.14	64.70	206	32.79	0.70	41	48	2.64	32.46	14.30	75.26	107	648	1
1355030813063	25.20	2.27	186	49.59	576.50	51.23	45.29	2.84	0.06	2	0.26	1.12	10.54	68.48	2174	46.34	2.83	387	559	4.72	27.52	16.00	74.19	1181	8879	24
1355030813064	13.92	0.59	3	26.62	970.35	53.16	39.11	8.10	0.00	0	0.09	0.19	7.86	77.22	576	29.15	1.54	139	100	2.20	47.29	10.60	77.93	497	1500	5
1355030813065	12.42	0.78	24	33.22	760.63	52.90	42.36	7.31	0.22	2	0.00	0.39	7.15	69.23	1534	19.85	6.78	469	319	3.07	40.31	12.10	76.83	1372	4265	9
1355030813066	21.51	1.80	3	40.37	672.61	52.47	44.25	5.10	0.00	1	0.00	0.00	11.45	73.48	494	42.93	2.77	155	97	4.13	39.55	13.60	75.75	428	1493	0
1355030813067	16.31	1.19	6	28.69	727.76	53.10	40.05	7.78	0.00	1	0.00	0.29	9.30	71.81	2402	29.79	2.41	629	300	2.36	40.74	13.00	76.20	1548	4878	9
1355030813068	8.74	0.41	6	21.49	1049.71	53.28	39.13	7.38	0.07	0	0.00	0.00	6.20	79.05	479	17.37	0.00	166	67	2.23	55.46	9.30	79.01	385	1064	6
1355030813069	21.51	1.80	0	40.37	672.61	53.03	40.19	3.86	0.00	0	0.00	0.00	11.45	73.48	133	42.93	2.77	26	22	4.84	39.55	13.60	75.75	84	201	0
1355030813070	25.20	2.27	1	49.59	576.50	50.71	42.59	4.90	0.06	1	0.26	1.12	10.54	68.48	157	46.34	2.83	39	49	7.82	27.52	16.00	74.19	82	793	0
1355030813071	25.20	2.27	51	49.59	576.50	52.98	50.36	4.43	0.06	0	0.26	1.12	10.54	68.48	207	46.34	2.83	48	64	7.66	27.52	16.00	74.19	256	629	12
1355030813072	21.51	1.80	0	40.37	672.61	53.54	41.49	8.65	0.00	0	0.00	0.00	11.45	73.48	109	42.93	2.77	38	32	3.96	39.55	13.60	75.75	123	483	0
1355030813073	24.28	0.25	23	45.56	647.42	50.93	43.13	6.07	0.00	0	0.73	0.04	6.14	64.70	285	32.79	0.70	97	96	4.61	32.46	14.30	75.26	161	1392	0
1355030813074	28.46	1.07	270	41.79	487.39	50.13	39.65	3.45	0.64	0	0.19	1.75	12.72	70.68	142	40.87	2.05	37	57	7.53	35.31	19.80	72.02	158	920	0
1355030813075	12.42	0.78	12	33.22	760.63	52.06	41.13	6.84	0.22	0	0.00	0.39	7.15	69.23	621	19.85	6.78	159	136	3.16	40.31	12.10	76.83	493	1197	2
1355030813076	24.28	0.25	1	45.56	647.42	51.86	40.51	7.30	0.00	0	0.73	0.04	6.14	64.70	662	32.79	0.70	186	99	4.28	32.46	14.30	75.26	421	1719	1
1355030813077	25.20	2.27	3	49.59	576.50	51.81	43.51	4.41	0.06	0	0.26	1.12	10.54	68.48	285	46.34	2.83	69	84	5.90	27.52	16.00	74.19	318	1015	0
1355030813078	24.28	0.25	1	45.56	647.42	49.11	43.27	5.74	0.00	0	0.73	0.04	6.14	64.70	251	32.79	0.70	69	95	4.21	32.46	14.30	75.26	200	1411	9
1355030813079	1.71	0.14	0	8.41	4631.37	49.87	50.97	1.28	0.00	0	0.00	0.30	4.13	75.99	10	12.87	1.10	1	8	0.76	69.70	6.70	81.38	19	51	0
1355030813080	6.51	0.00	2	25.00	2271.14	52.05	25.71	0.68	0.00	0	0.00	0.05	4.25	70.88	109	23.31	0.00	25	0	0.28	63.47	7.90	80.26	8	55	0
1355030814001	39.82	2.85	340	58.16	451.82	51.45	53.27	3.34	1.98	4	1.50	8.08	10.62	62.63	1479	59.71	3.28	274	358	10.62	20.26	23.20	70.24	1062	4752	21
1355030814002	36.81	3.24	11	57.62	462.01	50.93	47.45	2.99	0.41	0	0.98	5.53	14.24	62.45	235	54.24	0.43	40	56	11.21	21.10	22.30	70.69	206	764	24
1355030814003	27.72	0.49	0	49.68	510.82	51.41	42.14	2.00	0.00	0	0.28	1.51	7.89	71.35	101	62.75	2.21	26	30	14.22	25.61	18.90	72.50	20	431	0
1355030814004	39.82	2.85	19	58.16	451.82	48.64	43.51	1.81	1.98	1	1.50	8.08	10.62	62.63	57	59.71	3.28	6	22	14.24	20.26	23.20	70.24	62	180	12
1355030814006	36.81	3.24	1	57.62	462.01	51.88	39.78	3.10																		

1355030814007	38,11	6,52	0	60,90	413,19	52,28	45,10	0,94	0,11	0	0,00	0,48	16,77	69,53	112	62,22	2,58	17	30	10,79	26,43	24,70	69,55	57	415	0
1355030814008	43,76	4,27	0	67,65	583,21	53,31	66,89	1,59	5,06	1	6,78	14,50	17,39	60,66	108	66,82	5,97	24	40	15,27	14,08	17,60	73,22	111	376	0
1355030814009	36,81	3,24	31	57,62	462,01	50,91	50,75	2,61	0,41	1	0,99	5,53	14,24	62,45	428	54,24	0,43	99	119	7,82	21,10	23,20	70,69	324	1764	3
1355030814010	39,82	2,85	77	58,16	451,82	53,05	54,72	2,85	1,98	0	1,50	8,08	10,62	62,63	68	59,71	3,28	18	24	8,13	20,26	23,20	70,24	50	297	0
1355030814011	36,81	3,24	0	57,62	462,01	53,66	51,15	3,05	0,41	0	0,99	5,53	14,24	62,45	23	54,24	0,43	8	11	10,57	21,10	22,30	70,69	18	184	0
1355030814012	10,87	0,92	1	33,71	937,50	50,64	42,60	11,79	0,00	0	0,00	0,00	6,74	71,07	142	33,36	0,98	26	16	3,44	41,89	9,90	78,50	81	241	0
1355030814013	19,55	0,92	11	48,51	605,02	49,48	46,36	2,88	0,60	0	0,00	1,37	9,24	67,61	57	43,86	1,25	10	19	2,57	32,00	15,50	74,49	35	183	0
1355030814014	19,55	0,92	36	48,51	605,02	53,01	44,35	3,13	0,60	0	0,00	1,37	9,24	67,61	111	43,86	1,25	30	32	3,33	32,00	15,50	74,49	99	219	2
1355030814015	10,19	0,98	0	28,89	1116,67	52,94	35,31	6,48	0,13	0	0,00	0,31	5,91	71,96	63	29,25	3,51	23	6	1,42	44,14	9,70	78,68	25	116	0
1355030814016	36,81	3,24	0	57,62	462,01	52,05	45,12	3,08	0,41	4	0,99	5,53	14,24	62,45	205	54,24	0,43	51	54	4,67	21,10	22,30	70,69	127	956	1
1355030814017	3,11	0,00	18	7,68	2470,58	55,26	37,37	15,71	0,00	0	0,00	0,25	6,36	77,49	1453	3,61	0,00	705	107	1,03	73,42	7,70	80,44	291	918	4
1355030814018	3,11	0,00	2	7,68	2470,58	53,80	29,66	8,05	0,00	0	0,00	0,25	6,36	77,49	295	3,61	0,00	88	6	0,33	73,42	7,70	80,44	51	243	0
1355030814019	3,14	0,00	1	15,01	1809,42	54,09	41,37	14,77	0,00	1	0,00	0,00	4,19	75,62	196	20,54	0,11	80	22	1,95	62,31	8,20	79,91	42	236	0
1355030814020	1,33	0,13	16	7,88	3676,45	54,24	32,06	10,80	0,00	0	0,00	0,00	3,73	79,33	2527	5,18	0,00	1200	124	0,79	81,16	7,00	81,06	604	1769	16
1355030814021	3,11	0,00	24	7,68	2470,58	54,68	28,58	8,75	0,00	0	0,00	0,25	6,36	77,49	1744	3,61	0,00	839	80	0,84	73,42	7,70	80,44	372	1256	9
1355030814022	1,33	0,13	7	7,88	3676,45	53,69	33,19	8,66	0,00	0	0,00	0,00	3,73	79,33	3062	5,18	0,00	1169	106	0,62	81,16	7,00	81,06	327	1131	9
1355030814023	3,11	0,00	8	7,68	2470,58	53,01	31,43	9,70	0,00	0	0,00	0,25	6,36	77,49	712	3,61	0,00	338	57	1,84	73,42	7,70	80,44	177	706	7
1355030814024	10,87	0,92	156	33,71	937,50	53,51	39,42	8,59	0,00	0	0,00	0,00	6,74	71,07	1737	33,36	0,98	476	286	3,37	41,89	9,90	78,50	830	3784	6
1355030814025	16,75	0,76	31	45,83	671,93	52,38	42,49	6,22	0,06	5	0,00	0,59	9,07	69,34	4582	40,98	0,00	1298	935	4,17	37,34	13,60	75,72	3431	14348	38
1355030814026	10,87	0,92	10	33,71	937,50	53,42	39,75	9,88	0,00	0	0,00	0,00	6,74	71,07	2082	33,36	0,98	631	328	2,25	41,89	9,90	78,50	1246	4588	3
1355030814027	3,14	0,00	0	15,01	1809,42	52,88	34,12	5,53	0,00	0	0,00	0,00	4,19	75,62	121	20,54	0,11	45	10	0,55	62,31	8,20	79,91	33	120	0
1355030814028	19,55	0,92	0	48,51	605,02	51,37	37,09	5,14	0,60	0	0,16	1,37	9,24	67,61	84	43,86	1,25	16	22	6,14	32,00	15,50	74,49	81	231	0
1355030814029	24,91	1,99	53	46,30	563,58	52,00	47,26	5,98	0,27	1	0,16	0,00	6,61	71,47	224	40,86	2,35	64	49	3,44	33,30	16,50	73,90	139	839	0
1355030814030	10,19	0,98	25	28,89	1116,67	53,48	42,99	11,28	0,13	1	0,00	0,31	5,91	71,96	1062	29,25	3,51	345	175	2,87	44,14	9,70	78,68	472	1752	6
1355030814031	10,19	0,98	4	28,89	1116,67	53,90	41,93	12,46	0,13	0	0,00	0,31	5,91	71,96	1056	29,25	3,51	384	154	2,24	44,14	9,70	78,68	624	1730	8
1355030814032	3,14	0,00	7	15,01	1809,42	52,82	41,38	14,92	0,00	0	0,00	0,00	4,19	75,62	1009	20,54	0,11	319	135	1,42	62,31	8,20	79,91	340	971	2
1355030814033	3,14	0,00	3	15,01	1809,42	54,02	38,43	14,05	0,00	0	0,00	0,00	4,19	75,62	897	20,54	0,11	372	74	1,42	62,31	8,20	79,91	231	748	4
1355030814034	10,87	0,92	9	33,71	937,50	53,90	40,83	8,99	0,00	0	0,00	0,00	6,74	71,07	714	33,36	0,98	219	134	4,42	41,89	9,90	78,50	378	1700	3
1355030814035	10,87	0,92	1	33,71	937,50	53,37	43,79	9,01	0,00	0	0,00	0,00	6,74	71,07	421	33,36	0,98	111	92	2,94	41,89	9,90	78,50	251	1045	0
1355030814036	10,19	0,98	8	28,89	1116,67	50,22	37,08	7,30	0,13	0	0,00	0,31	5,91	71,96	241	29,25	3,51	52	38	3,53	44,14	9,70	78,68	133	370	1
1355030814037	10,19	0,98	3	28,89	1116,67	54,02	42,39	10,31	0,13	0	0,00	0,31	5,91	71,96	532	29,25	3,51	178	83	2,04	44,14	9,70	78,68	172	1069	0
1355030814038	3,14	0,00	25	15,01	1809,42	53,72	35,56	10,64	0,00	0	0,00	0,00	4,19	75,62	922	20,54	0,11	355	111	1,87	62,31	8,20	79,91	248	1412	5
1355030814039	3,14	0,00	10	15,01	1809,42	53,87	37,77	10,42	0,00	0	0,00	0,00	4,19	75,62	995	20,54	0,11	384	101	2,09	62,31	8,20	79,91	360	1489	1
1355030814040	10,19	0,92	9	33,71	937,50	53,49	42,25	9,81	0,00	0	0,00	0,00	6,74	71,07	1360	33,36	0,98	378	213	3,68	41,89	9,90	78,50	930	2886	10
1355030814041	16,75	0,76	0	45,83	671,93	50,68	43,88	4,71	0,06	0	0,00	0,59	9,07	69,34	215	40,98	0,00	33	28	5,37	37,34	13,60	75,72	66	566	0
1355030814042	19,55	0,92	10	48,51	605,02	53,99	45,37	6,19	0,60	0	0,00	1,37	9,24	67,61	407	43,86	1,25	98	55	5,02	32,00	15,50	74,49	187	967	3
1355030814043	27,72	0,49	0	49,68	510,82	50,76	47,77	5,29	0,00	0	0,28	1,51	7,89	71,35	89	62,75	2,21	19	33	9,11	25,61	18,90	72,50	88	304	2
1355030814044	3,14	0,00	0	15,01	1809,42	53,14	38,21	6,64	0,00	0	0,00	0,00	4,19	75,62	75	20,54	0,11	38	0	0,00	62,31	8,20	79,91	14	55	0
1355030814045	27,72	0,49	6	49,68	510,82	53,58	48,67	5,86	0,00	0	0,28	1,51	7,89	71,35	115	62,75	2,21	18	19	7,57	25,61	18,90	72,50	44	258	0
1355030814046	3,14	0,00	1	15,01	1809,42	55,24	34,99	9,73	0,00	0	0,00	0,00	4,19	75,62	326	20,54	0,11	154	29	1,11	62,31	8,20	79,91	92	376	3
1355030814047	3,14	0,00	0	15,01	1809,42	54,40	39,93	14,75	0,00	0	0,00	0,00	4,19	75,62	373	20,54	0,11	157	52	1,16	62,31	8,20	79,91	131	378	1
1355030814048	10,19	0,98	60	28,89	1116,67	53,31	41,74	12,62	0,13	0	0,00	0,31	5,91	71,96	1037	29,25	3,51	292	159	2,76	44,14	9,70	78,68	419	1487	10
1355030814049	3,14	0,00	0	15,01	1809,42	54,53	26,80	8,17	0,00	0	0,00	0,00	4,19	75,62	103	20,54	0,11	35	7	0,61	62,31	8,20	79,91	30	97	2
1355030814050	19,55	0,92	14	48,51	605,02	50,88	48,38	6,02	0,60	1	0,00	1,37	9,24	67,61	118	43,86	1,25	37	31	7,78	32,00	15,50	74,49	110	463	1
1355030815001	26,71	2,00	3	52,99	489,28	52,45	43,26	3,13	0,47	2	0,60	1,59	8,45	66,18	156	53,40	2,14	35	56	6,18	30,75	19,60	72,08	100	627	1
1355030815002	43,76	4,27	0	67,65	583,21	52,29	52,57	2,23	5,06	0	6,78	14,50	17,39	60,66	262	66,82	5,97	31	79	13,60	14,08	17,60	73,22	170	890	2
1355030815003	36,02	3,24	10	59,05	415,46	50,35	46,15	2,58	1,07	0	1,62	4,30	12,01	66,12	192	56,56	9,28	23	33	9,23	21,71	24,60	69,58	91	508	0
1355030815004	18,02	0,37	0	48,39	598,49	52,05	37,61	3,11	0,19	0	0,00	0,71	7,60	63,32	152	38,63	1,78	30	23	5,20	36,29	17,00	73,61	34	444	5
1355030815005	12,71	1,77	1	30,90	1107,82	51,38	45,39	3,21	0,21	0	0,07	0,11	5,56	67,95	399	36,92	0,00	45	101	3,99						

1355030815006	38,11	6,52	0	60,90	413,19	47,79	42,14	4,20	0,11	0	0,00	0,48	16,77	69,53	84	62,22	2,58	10	9	5,04	26,43	24,70	69,55	9	272	0
1355030815007	38,11	6,52	42	60,90	413,19	49,77	41,47	3,10	0,11	4	0,00	0,48	16,77	69,53	1340	62,22	2,58	221	411	4,63	26,43	24,70	69,55	1331	4663	7
1355030815008	36,02	3,24	0	59,05	415,46	50,82	50,19	2,67	1,07	0	1,62	4,30	12,01	66,12	217	56,56	9,28	54	97	7,02	21,71	24,60	69,58	178	1492	0
1355030815009	12,71	1,77	6	30,90	1107,82	52,17	39,71	9,95	0,21	2	0,00	0,11	5,56	67,95	1971	36,92	0,00	590	411	2,17	48,89	9,30	78,99	884	4151	10
1355030815010	18,02	0,37	0	48,39	598,49	50,98	48,87	6,71	0,19	0	0,00	0,71	7,60	63,32	242	38,63	1,78	38	24	7,02	36,29	17,00	73,61	39	247	0
1355030815011	19,88	0,75	5	37,76	638,23	51,75	43,16	6,93	0,44	0	0,17	0,20	6,22	66,79	715	34,90	0,51	139	187	3,39	36,77	14,40	75,20	421	1603	0
1355030815013	1,89	0,00	20	15,63	2019,66	53,73	43,04	15,13	0,28	0	0,00	0,00	4,17	72,16	3033	16,44	2,12	1082	377	1,11	66,36	8,10	80,09	749	2002	19
1355030815014	1,89	0,00	0	15,63	2019,66	50,98	32,26	9,29	0,28	0	0,00	0,00	4,17	72,16	157	16,44	2,12	36	40	1,90	66,36	8,10	80,09	46	281	2
1355030815015	5,29	0,19	5	18,01	1426,19	54,14	43,45	16,67	0,34	0	0,00	0,21	5,58	67,56	1003	14,77	1,70	396	99	6,03	56,00	8,60	79,59	381	908	13
1355030815016	8,55	0,34	36	29,99	950,94	53,76	42,06	9,68	0,00	1	0,16	0,01	7,73	70,78	775	17,80	1,97	262	100	2,45	46,03	9,80	78,55	412	1264	12
1355030815017	19,88	0,75	20	37,76	638,23	52,54	42,68	5,12	0,44	1	0,17	0,20	6,22	66,79	1425	34,90	0,51	313	311	5,29	36,77	14,40	75,20	808	3822	11
1355030815018	21,30	1,44	274	50,00	574,82	51,84	41,43	4,98	0,53	5	1,98	0,45	9,74	69,06	3687	40,98	1,95	928	821	4,88	32,88	15,90	74,26	2205	13139	56
1355030815019	18,02	0,37	105	48,39	598,49	52,69	44,40	4,31	0,19	1	0,00	0,71	7,60	63,32	2661	38,63	1,78	665	864	4,05	36,29	17,00	73,61	2805	8494	24
1355030815020	19,88	0,75	37	37,76	638,23	50,66	41,86	4,23	0,44	0	0,17	0,20	6,22	66,79	2744	34,90	0,51	593	608	4,14	36,77	14,40	75,20	1465	8410	23
1355030815021	12,71	1,77	0	30,90	1107,82	54,02	44,46	13,13	0,21	0	0,07	0,11	5,56	67,95	433	36,92	0,00	175	81	2,24	48,89	9,30	78,99	249	489	1
1355030815022	8,55	0,34	16	29,99	950,94	53,02	42,26	12,13	0,00	0	0,16	0,01	7,73	70,78	1667	17,80	1,97	725	279	1,96	46,03	9,80	78,55	712	2548	11
1355030815023	5,29	0,19	5	18,01	1426,19	55,07	41,30	12,52	0,34	0	0,00	0,21	5,58	67,56	967	14,77	1,70	371	108	1,47	56,00	8,60	79,59	534	980	1
1355030815024	5,29	0,19	11	18,01	1426,19	53,38	42,32	12,56	0,34	0	0,00	0,21	5,58	67,56	755	14,77	1,70	253	109	2,29	56,00	8,60	79,59	239	893	5
1355030815025	18,02	0,37	0	48,39	598,49	55,55	47,15	8,39	0,19	0	0,00	0,71	7,60	63,32	306	38,63	1,78	75	91	4,01	36,29	17,00	73,61	257	516	2
1355030815026	5,29	0,19	5	18,01	1426,19	51,67	38,60	12,04	0,34	0	0,00	0,21	5,58	67,56	166	14,77	1,70	51	33	2,10	56,00	8,60	79,59	103	275	5
1355030815027	18,02	0,37	4	48,39	598,49	50,44	42,99	4,74	0,19	0	0,00	0,71	7,60	63,32	111	38,63	1,78	25	28	4,28	36,29	17,00	73,61	136	388	1
1355030815028	26,71	2,00	2	52,99	489,28	50,61	46,61	2,08	0,47	0	0,60	1,59	8,45	66,18	966	53,40	2,14	148	259	6,53	30,75	19,60	72,08	583	3306	9
1355030815029	5,29	0,19	5	18,01	1426,19	51,65	43,18	13,67	0,34	0	0,00	0,21	5,58	67,56	154	14,77	1,70	57	29	2,82	56,00	8,60	79,59	54	234	0
1355030815030	12,71	1,77	0	30,90	1107,82	54,99	42,65	13,17	0,21	0	0,07	0,11	5,56	67,95	607	36,92	0,00	208	80	1,98	48,89	9,30	78,99	229	795	12
1355030815031	1,89	0,00	0	15,63	2019,66	55,09	37,50	4,91	0,28	0	0,00	0,00	4,17	72,16	70	16,44	2,12	36	2	1,64	66,36	8,10	80,09	29	61	0
1355030815032	1,89	0,00	0	15,63	2019,66	51,89	44,55	12,74	0,28	0	0,00	0,00	4,17	72,16	95	16,44	2,12	26	13	1,54	66,36	8,10	80,09	21	100	11
1355030815033	1,89	0,00	0	15,63	2019,66	53,88	34,86	9,17	0,28	0	0,00	0,00	4,17	72,16	295	16,44	2,12	86	19	0,88	66,36	8,10	80,09	119	257	8
1355030815034	5,29	0,19	7	18,01	1426,19	53,59	39,31	10,81	0,34	1	0,00	0,21	5,58	67,56	745	14,77	1,70	240	103	2,26	56,00	8,60	79,59	248	1008	2
1355030815035	8,55	0,34	0	29,99	950,94	52,34	47,21	8,02	0,00	0	0,16	0,01	7,73	70,78	52	17,80	1,97	11	13	4,99	46,03	9,80	78,55	50	130	0
1355030815036	8,55	0,34	4	29,99	950,94	52,09	40,97	5,90	0,00	1	0,16	0,01	7,73	70,78	96	17,80	1,97	15	16	4,49	46,03	9,80	78,55	20	143	0
1355030815037	8,55	0,34	13	29,99	950,94	52,58	39,65	8,73	0,00	1	0,16	0,01	7,73	70,78	2355	17,80	1,97	539	468	2,66	46,03	9,80	78,55	1285	4812	19
1355030815038	19,88	0,75	1	37,76	638,23	51,60	43,89	5,36	0,44	0	0,17	0,20	6,22	66,79	197	34,90	0,51	54	47	5,10	36,77	14,40	75,20	254	482	3
1355030815039	19,88	0,75	0	37,76	638,23	52,56	34,74	4,30	0,44	0	0,17	0,20	6,22	66,79	48	34,90	0,51	10	28	1,89	36,77	14,40	75,20	43	241	0
1355030815040	5,29	0,19	0	18,01	1426,19	53,63	33,25	10,61	0,34	0	0,00	0,21	5,58	67,56	50	14,77	1,70	25	8	0,46	56,00	8,60	79,59	7	165	0
1355030815041	26,71	2,00	21	52,99	489,28	50,38	46,95	2,79	0,47	3	0,60	1,59	8,45	66,18	524	53,40	2,14	140	214	13,29	30,75	19,60	72,08	654	1782	3
1355030815042	26,71	2,00	181	52,99	489,28	50,67	49,62	3,31	0,47	3	0,60	1,59	8,45	66,18	643	53,40	2,14	123	203	9,53	30,75	19,60	72,08	502	2625	3
1355030815043	18,02	0,37	0	48,39	598,49	51,05	41,79	2,17	0,19	0	0,00	0,71	7,60	63,32	256	38,63	1,78	57	73	5,06	36,29	17,00	73,61	132	1064	3
1355030815044	8,55	0,34	3	29,99	950,94	52,74	41,72	9,66	0,00	0	0,16	0,01	7,73	70,78	626	17,80	1,97	181	88	2,80	46,03	9,80	78,55	287	1058	8
1355030815045	19,88	0,75	3	37,76	638,23	50,17	42,05	2,60	0,44	0	0,17	0,20	6,22	66,79	201	34,90	0,51	83	78	3,94	36,77	14,40	75,20	139	1172	0
1355030815046	8,55	0,34	0	29,99	950,94	50,00	39,00	7,31	0,00	0	0,16	0,01	7,73	70,78	62	17,80	1,97	30	18	2,26	46,03	9,80	78,55	48	134	0
1355030815047	39,82	2,85	0	58,16	451,82	52,37	46,27	3,34	1,98	0	1,50	0,08	10,62	62,63	357	59,71	3,28	54	56	4,16	20,26	23,20	70,24	60	1075	1
1355030815048	26,71	2,00	8	52,99	489,28	51,86	42,44	2,72	0,47	1	0,60	1,59	8,45	66,18	1958	53,40	2,14	374	635	5,08	30,75	19,60	72,08	1428	9162	15
1355030815049	1,89	0,00	1	15,63	2019,66	53,40	36,71	12,54	0,28	0	0,00	0,00	4,17	72,16	88	16,44	2,12	25	23	1,34	66,36	8,10	80,09	42	147	0
1355030815050	12,71	1,77	0	30,90	1107,82	53,09	40,98	12,92	0,21	1	0,07	0,11	5,56	67,95	623	36,92	0,00	186	87	1,13	48,89	9,30	79,31	221	749	7
1355030815051	1,89	0,00	0	15,63	2019,66	56,02	27,59	2,46	0,28	0	0,00	0,00	4,17	72,16	61	16,44	2,12	16	1	0,30	66,36	8,10	80,09	13	56	0
1355030815052	8,55	0,34	0	29,99	950,94	48,52	48,20	6,43	0,00	0	0,16	0,01	7,73	70,78	59	17,80	1,97	19	17	9,65	46,03	9,80	78,55	37	195	0
1355030816001	0,92	0,13	18	2,03	5639,53	56,17	39,24	16,81	0,00	0	0,00	0,00	5,87	74,74	4636	4,22	0,43	2261	153	0,62	83,30	6,30	81,73	383	1399	23
1355030816002	0,94	0,00	12	9,01	3653,87	56,17	37,36	15,01	0,00	1	0,00	0,22	5,01	78,48	2687	0,00	0,00	1399	80	1,06	79,30	7,00	81,05	251	865	15
1355030816003	0,68	0,04	18	4,11	5108,69	54,49	34,69	12,58	0,00	0	0,00	0,13	3,89	78,09	4662	14,65	0,00	22								

1355030816004	0,16	0,00	18	5,89	4908,18	54,69	33,29	13,49	0,00	1	0,00	0,00	4,94	72,80	5594	2,84	0,00	2608	182	0,45	81,30	6,60	81,49	615	1640	39
1355030816005	0,55	0,00	30	6,96	3581,71	54,23	35,01	12,32	0,00	1	0,00	0,15	4,60	77,64	3591	15,00	0,00	1852	189	0,78	79,13	7,00	81,03	492	2009	19
1355030816006	1,33	0,00	24	12,27	3233,49	54,93	40,28	15,91	0,00	0	0,00	0,00	2,62	75,66	3932	0,00	0,00	1908	219	0,68	73,21	7,20	80,85	484	1753	14
1355030816007	2,92	0,00	26	9,82	2857,16	54,09	41,69	15,59	0,00	1	0,00	0,00	3,28	71,69	4492	24,05	0,00	1920	275	0,97	71,28	7,40	80,64	514	2192	18
1355030816008	0,75	0,00	11	8,15	4591,49	50,74	33,92	10,06	0,00	0	0,00	0,00	3,58	80,72	4494	13,39	0,00	1934	233	0,80	71,63	6,70	81,32	717	2514	23
1355030816009	3,77	0,06	27	13,85	2245,17	53,44	35,93	12,26	0,00	0	0,00	0,17	4,74	73,70	3680	19,58	3,38	1508	227	1,05	65,92	7,90	80,24	803	2954	22
1355030816010	5,69	0,32	58	31,10	1265,01	52,52	39,98	11,85	0,12	2	0,00	0,29	5,04	70,96	3315	32,27	0,91	1069	494	2,28	48,70	8,60	79,62	1135	5073	16
1355030816011	36,81	3,24	221	57,62	462,01	51,92	53,79	3,38	0,41	3	0,99	5,53	14,24	62,45	198	54,24	0,43	26	59	12,83	21,10	22,30	70,69	157	793	1
1355030816012	1,33	0,00	5	12,27	3233,49	51,59	40,00	13,10	0,00	0	0,00	0,00	2,62	75,66	153	0,00	0,00	48	17	1,17	73,21	7,20	80,85	30	153	1
1355030816013	5,69	0,32	3	31,10	1265,01	52,25	38,51	9,00	0,12	0	0,00	0,29	5,04	70,96	586	32,27	0,91	211	93	1,89	48,70	8,60	79,62	370	973	3
1355030816014	3,77	0,06	13	13,85	2245,17	53,40	42,60	15,20	0,00	3	0,00	0,17	4,74	73,70	1023	19,58	3,38	414	118	2,28	65,92	7,90	80,24	244	1114	20
1355030816015	0,68	0,04	6	4,11	5108,69	54,77	48,35	19,77	0,00	1	0,00	0,13	3,89	78,09	1351	14,65	0,00	647	103	0,67	81,43	6,50	81,59	170	540	2
1355030816016	27,72	0,49	0	49,68	510,82	51,90	50,20	1,90	0,00	0	0,28	1,51	7,89	71,35	51	62,75	2,21	9	10	7,14	25,61	18,90	72,50	17	180	0
1355030816017	27,72	0,49	69	49,68	510,82	49,25	51,31	1,50	0,00	1	0,28	1,51	7,89	71,35	114	62,75	2,21	25	24	12,63	25,61	18,90	72,50	157	404	0
1355030816018	36,81	3,24	2	57,62	462,01	50,81	55,00	0,40	0,41	3	0,99	5,53	14,24	62,45	65	54,24	0,43	17	18	9,94	21,10	22,30	70,69	31	260	0
1355030816019	27,72	0,49	3	49,68	510,82	50,06	48,28	1,73	0,00	0	0,28	1,51	7,89	71,35	279	62,75	2,21	52	97	8,00	25,61	18,90	72,50	119	1273	8
1355030816020	36,81	3,24	3	57,62	462,01	44,82	54,81	1,12	0,41	0	0,99	5,53	14,24	62,45	78	54,24	0,43	8	27	8,98	21,10	22,30	70,69	56	495	0
1355030816021	5,69	0,32	1	31,10	1265,01	52,22	40,13	11,76	0,12	0	0,00	0,29	5,04	70,96	226	32,27	0,91	70	49	2,73	48,70	8,60	79,62	40	145	0
1355030816022	19,55	0,92	12	48,51	605,02	47,59	47,20	0,61	0,60	0	0,00	1,37	9,24	67,61	149	43,86	1,25	39	56	11,32	32,00	15,50	74,49	79	1119	0
1355030816023	43,76	4,27	68	67,65	583,21	46,24	67,76	0,56	5,06	1	6,78	14,50	17,39	60,66	50	66,82	5,97	5	16	8,33	14,08	17,60	73,22	7	238	0
1355030816024	27,72	0,49	0	49,68	510,82	51,25	57,76	0,75	0,00	2	0,28	1,51	7,89	71,35	225	62,75	2,21	34	52	10,19	25,61	18,90	72,50	170	853	15
1355030816025	27,72	0,49	0	49,68	510,82	51,02	55,82	0,23	0,00	0	0,28	1,51	7,89	71,35	71	62,75	2,21	10	13	6,92	25,61	18,90	72,50	43	251	0
1355030816026	24,91	1,99	0	46,30	563,58	53,14	48,30	0,39	0,27	0	0,16	0,00	6,61	71,47	104	40,86	2,35	16	11	14,16	33,30	16,50	73,90	52	222	9
1355030816027	27,72	0,49	44	49,68	510,82	51,60	44,95	3,06	0,00	0	0,28	1,51	7,89	71,35	1422	62,75	2,21	224	300	10,84	25,61	18,90	72,50	610	4823	18
1355030816028	1,33	0,00	1	12,27	3233,49	52,29	37,39	6,42	0,00	0	0,00	0,00	2,62	75,66	42	0,00	0,00	7	13	5,79	73,21	7,20	80,85	11	143	0
1355030816029	14,40	0,12	0	35,67	723,49	53,17	50,38	6,83	0,00	0	0,40	0,67	7,04	74,96	65	40,44	4,10	24	13	3,86	39,26	13,10	76,07	21	204	0
1355030816030	24,91	1,99	52	46,30	563,58	51,27	44,41	3,79	0,27	0	0,16	0,00	6,61	71,47	184	40,86	2,35	46	47	7,04	33,30	16,50	73,90	161	578	6
1355030816031	19,55	0,92	0	48,51	605,02	52,63	39,64	3,80	0,60	0	0,00	1,37	9,24	67,61	128	43,86	1,25	52	27	6,06	32,00	15,50	74,49	69	553	0
1355030816032	3,77	0,06	7	13,85	2245,17	51,77	38,47	9,48	0,00	1	0,00	0,17	4,74	73,70	1300	19,58	3,38	388	187	2,49	65,92	7,90	80,24	340	1937	17
1355030817001	25,84	1,95	23	49,46	544,16	51,77	43,78	4,18	1,50	4	0,00	0,78	7,76	71,87	3200	51,49	4,12	830	603	5,45	32,31	16,80	73,69	2326	11680	11
1355030817002	17,18	1,31	2	40,25	666,18	52,84	39,70	6,22	0,00	1	0,00	0,43	8,22	77,22	1470	38,60	1,74	430	205	3,34	39,33	14,50	75,12	878	4461	8
1355030817003	10,85	0,27	11	34,41	825,53	52,97	36,57	5,59	0,00	0	0,00	0,54	4,37	74,97	2413	34,15	0,77	706	276	3,03	44,08	11,40	77,33	893	6693	5
1355030817004	14,40	0,12	23	35,67	723,49	52,50	38,40	6,72	0,00	0	0,40	0,67	7,04	74,96	2979	40,44	4,10	872	458	3,60	39,26	13,10	76,07	1723	8979	15
1355030817005	20,54	0,42	146	40,32	550,46	51,57	41,30	3,94	0,00	2	0,00	0,29	6,54	74,70	2692	47,29	1,90	641	496	5,47	33,91	16,80	73,74	1638	10791	32
1355030817006	10,85	0,27	80	34,41	825,53	51,83	37,50	5,71	0,00	2	0,00	0,54	4,37	74,97	2174	34,15	0,77	619	407	3,69	44,08	11,40	77,33	1354	6595	9
1355030817007	27,26	1,40	6	48,74	439,81	50,90	48,58	2,34	0,11	9	0,70	0,33	8,38	70,28	3255	57,57	2,53	696	829	6,01	25,45	23,40	70,16	2666	15384	14
1355030817008	27,52	1,41	10	46,63	466,10	52,01	48,97	2,89	1,72	10	0,00	0,84	7,78	69,51	3458	58,12	4,64	671	759	6,88	26,63	21,90	70,91	2206	14991	28
1355030817009	39,78	2,78	19	58,75	416,44	50,74	50,54	2,04	5,90	4	0,06	1,10	9,72	64,95	3696	67,81	7,78	780	1071	7,25	19,08	24,50	69,63	3042	18968	26
1355030817010	22,79	0,92	97	49,45	488,43	51,00	43,45	3,25	0,76	9	0,00	0,00	8,53	74,59	4092	52,71	1,72	845	808	5,77	28,35	19,70	72,07	2332	16147	36
1355030817011	28,70	1,76	283	48,89	532,42	51,54	43,18	3,70	0,18	8	0,27	0,28	6,72	74,61	6001	44,22	3,43	1377	1065	6,43	25,45	17,40	73,37	3992	21992	15
1355030817012	30,36	2,01	385	50,01	460,35	51,26	45,68	2,58	0,32	3	0,15	0,42	10,43	72,12	2396	44,66	4,23	578	706	5,80	24,38	22,50	70,63	2498	12650	27
1355030817013	18,87	0,66	0	45,48	561,65	49,65	40,07	2,21	0,00	0	0,00	0,00	8,17	67,97	179	38,90	1,96	26	30	10,06	33,46	17,80	73,10	98	717	0
1355030817014	20,54	0,42	26	40,32	550,46	53,31	38,74	3,38	0,00	2	0,00	0,29	6,54	74,70	1594	47,29	1,90	386	237	4,94	33,91	16,80	73,74	926	5018	25
1355030817015	18,87	0,66	0	45,48	561,65	51,66	41,99	5,15	0,00	0	0,00	0,00	8,17	67,97	139	38,90	1,96	19	20	4,22	33,46	17,80	73,10	41	371	1
1355030817016	27,52	1,41	0	46,63	466,10	52,09	31,95	4,88	1,72	0	0,00	0,84	7,78	69,51	105	58,12	4,64	37	16	2,38	26,63	21,90	70,91	46	291	0
1355030817017	25,84	1,95	4	49,46	544,16	49,59	45,34	2,61	1,50	0	0,00	0,78	7,76	71,87	598	51,49	4,12	128	133	7,83	32,31	16,80	73,69	264	2289	4
1355030817018	17,18	1,31	0	40,25	666,18	51,76	37,99	2,12	0,00	0	0,00	0,43	8,22	77,22	34	38,60	1,74	5	8	5,99	39,33	14,50	75,12	24	218	0
1355030817019	14,40	0,12	2	35,67	723,49	51,33	40,14	4,75	0,00	0	0,40	0,67	7,04	74,96	1134	40,44	4,10	294	173	3,93	39,26	13,10	76,07	579	4016	4
1355030817020	13,20	0,28	15	39,18	783,13	52,13	38,57	5,70																		

1355030817021	13.20	0.28	38	39.18	783.13	51.97	39.11	7.35	0.00	0	0.88	0.46	6.77	72.45	1828	34.92	0.00	538	236	3.37	42.41	11.90	76.96	952	4569	18
1355030817022	29.44	1.04	0	51.39	444.82	50.00	40.12	3.46	1.10	0	1.58	0.55	10.05	65.04	177	49.56	4.73	29	23	3.08	27.47	23.60	70.06	59	322	0
1355030817023	11.65	0.00	3	37.60	686.50	51.73	39.77	5.39	0.00	0	0.00	0.00	8.63	73.03	409	28.88	2.34	160	63	7.57	39.21	13.30	75.96	366	1718	5
1355030817024	27.52	1.41	2	46.63	466.10	53.60	40.51	2.70	1.72	0	0.00	0.84	7.78	69.51	81	58.12	4.64	18	11	8.84	26.63	21.90	70.91	22	225	0
1355030817025	29.44	1.04	59	51.39	444.82	52.93	46.42	3.96	1.10	0	1.58	0.55	10.05	65.04	1087	49.56	4.73	268	244	5.86	27.47	23.60	70.06	862	4194	7
1355030817026	14.69	0.85	32	38.15	753.20	52.80	38.06	5.57	0.00	1	0.77	0.43	7.46	75.57	2446	40.25	2.69	737	331	3.62	39.05	13.00	76.15	1420	7737	36
1355030817027	1.71	0.14	3	8.41	4631.37	52.74	33.98	4.16	0.00	0	0.00	0.30	4.13	75.99	779	12.87	1.10	186	49	1.48	69.70	6.70	81.38	287	1558	5
1355030817028	6.95	0.33	0	20.80	1408.35	54.82	27.07	5.02	0.00	0	0.00	0.00	6.55	73.54	171	22.42	0.00	35	5	0.97	60.17	8.50	79.72	39	189	0
1355030817029	6.95	0.33	0	20.80	1408.35	55.13	35.14	3.13	0.00	0	0.00	0.00	6.55	73.54	201	22.42	0.00	55	3	0.97	60.17	8.50	79.72	49	239	0
1355030817030	6.95	0.33	0	20.80	1408.35	55.76	34.90	1.74	0.00	0	0.00	0.00	6.55	73.54	149	22.42	0.00	52	4	0.29	60.17	8.50	79.72	83	369	1
1355030817031	6.95	0.33	0	20.80	1408.35	53.35	31.18	2.65	0.00	0	0.00	0.00	6.55	73.54	93	22.42	0.00	59	5	0.16	60.17	8.50	79.72	58	268	0
1355030817032	6.95	0.33	0	20.80	1408.35	52.46	30.45	3.85	0.00	0	0.00	0.00	6.55	73.54	71	22.42	0.00	29	5	1.06	60.17	8.50	79.72	27	163	1
1355030817033	25.84	1.95	0	49.46	544.16	52.36	44.12	6.15	1.50	0	0.00	0.78	7.76	71.87	83	51.49	4.12	25	28	4.54	32.31	16.80	73.69	46	340	0
1355030817034	29.44	1.04	5	51.39	444.82	50.03	43.09	3.69	1.10	0	1.58	0.55	10.05	65.04	471	49.56	4.73	88	98	5.14	27.47	23.60	70.06	263	1614	0
1355030817035	27.52	1.41	0	46.63	466.10	52.14	43.11	4.10	1.72	0	0.00	0.84	7.78	69.51	132	58.12	4.64	34	35	8.76	26.63	21.90	70.91	78	589	0
1355030817036	6.95	0.33	3	20.80	1408.35	53.35	33.21	4.43	0.00	0	0.00	0.00	6.55	73.54	429	22.42	0.00	133	31	1.36	60.17	8.50	79.72	329	794	2
1355030817037	18.87	0.66	2	45.48	561.65	52.17	41.19	2.71	0.00	0	0.00	0.00	8.17	67.97	448	38.90	1.96	135	81	4.82	33.46	17.80	73.10	256	1876	0
1355030817038	36.81	3.24	0	57.62	462.01	50.97	57.18	0.88	0.41	0	0.99	5.53	14.24	62.45	56	54.24	0.43	16	18	4.63	21.10	22.30	70.69	35	362	0
1355030817039	27.52	1.41	2	46.63	466.10	50.81	44.00	2.69	1.72	0	0.00	0.84	7.78	69.51	287	58.12	4.64	76	69	3.15	26.63	21.90	70.91	195	1276	0
1355030817040	11.65	0.00	11	37.60	686.50	51.99	40.78	6.65	0.00	3	0.00	0.00	8.63	73.03	1612	28.88	2.34	495	284	4.32	39.21	13.30	75.96	1262	5720	6
1355030817041	27.52	1.41	101	46.63	466.10	51.19	44.34	2.66	1.72	0	0.00	0.84	7.78	69.51	285	58.12	4.64	48	75	6.52	26.63	21.90	70.91	203	1023	6
1355030817042	18.87	0.66	7	45.48	561.65	52.32	42.26	5.17	0.00	0	0.00	0.00	8.17	67.97	1020	38.90	1.96	218	192	3.76	33.46	17.80	73.10	561	3249	0
1355030817043	29.44	1.04	232	51.39	444.82	51.68	47.23	4.25	1.10	0	1.58	0.55	10.05	65.04	455	49.56	4.73	92	74	7.96	27.47	23.60	70.06	245	1389	0
1355030817044	27.52	1.41	12	46.63	466.10	51.39	44.74	3.46	1.72	1	0.00	0.84	7.78	69.51	641	58.12	4.64	129	147	7.40	26.63	21.90	70.91	340	2472	2
1355030817045	1.71	0.14	0	8.41	4631.37	51.92	40.19	0.68	0.00	0	0.00	0.30	4.13	75.99	17	12.87	1.10	6	2	0.00	69.70	6.70	81.38	30	111	0
1355030817046	25.84	1.95	52	49.46	544.16	50.91	39.70	4.01	1.50	0	0.00	0.78	7.76	71.87	245	51.49	4.12	77	45	7.14	32.31	16.80	73.69	186	988	2
1355030817047	18.87	0.66	16	45.48	561.65	51.16	43.30	3.56	0.00	3	0.00	0.00	8.17	67.97	611	38.90	1.96	112	136	5.72	33.46	17.80	73.10	448	2119	0
1355030817048	11.65	0.00	4	37.60	686.50	52.74	38.01	5.35	0.00	1	0.00	0.00	8.63	73.03	731	28.88	2.34	203	90	4.14	39.21	13.30	75.96	419	2298	16
1355030817049	13.20	0.28	22	39.18	783.13	51.09	39.57	3.89	0.00	2	0.88	0.46	6.77	72.45	782	34.92	0.00	202	135	3.84	42.41	11.90	76.96	507	3499	0
1355030817050	14.69	0.85	17	38.15	753.20	52.48	37.53	6.45	0.00	0	0.77	0.43	7.46	75.57	1037	40.25	2.69	310	116	3.31	39.05	13.00	76.15	542	2644	3
1355030817051	6.95	0.33	5	20.80	1408.35	52.56	35.53	8.78	0.00	0	0.00	0.00	6.55	73.54	1209	22.42	0.00	402	136	2.24	60.17	8.50	79.72	475	2404	7
1355030817052	29.44	1.04	38	51.39	444.82	48.68	42.66	2.90	1.10	0	1.58	0.55	10.05	65.04	315	49.56	4.73	55	57	9.97	27.47	23.60	70.06	208	1112	10
1355030817053	25.84	1.95	6	49.46	544.16	47.72	40.24	2.55	1.50	0	0.00	0.78	7.76	71.87	260	51.49	4.12	44	41	3.46	32.31	16.80	73.69	124	820	2
1355030817054	6.95	0.33	0	20.80	1408.35	50.00	30.97	7.41	0.00	0	0.00	0.00	6.55	73.54	81	22.42	0.00	27	12	3.06	60.17	8.50	79.72	18	226	0
1355030817055	27.52	1.41	0	46.63	466.10	51.32	53.83	3.73	1.72	0	0.00	0.84	7.78	69.51	77	58.12	4.64	16	23	7.24	26.63	21.90	70.91	61	351	0
1355030817056	6.95	0.33	0	20.80	1408.35	50.00	31.88	7.78	0.00	0	0.00	0.00	6.55	73.54	72	22.42	0.00	25	7	1.58	60.17	8.50	79.72	20	165	1
1355030817057	1.71	0.14	0	8.41	4631.37	53.59	38.44	1.17	0.00	0	0.00	0.30	4.13	75.99	73	12.87	1.10	20	2	0.26	69.70	6.70	81.38	27	146	1
1355030817058	1.71	0.14	2	8.41	4631.37	52.17	40.13	3.00	0.00	0	0.00	0.30	4.13	75.99	91	12.87	1.10	29	4	1.21	69.70	6.70	81.38	18	159	0
1355030817059	29.44	1.04	54	51.39	444.82	51.94	41.40	2.19	1.10	0	1.58	0.55	10.05	65.04	890	49.56	4.73	203	240	6.18	27.47	23.60	70.06	587	3509	2
1355030817060	27.52	1.41	0	46.63	466.10	48.59	39.67	1.88	1.72	0	0.00	0.84	7.78	69.51	41	58.12	4.64	4	15	6.07	26.63	21.90	70.91	13	219	0
1355030817061	27.52	1.41	116	46.63	466.10	50.50	47.61	2.42	1.72	2	0.00	0.84	7.78	69.51	1215	58.12	4.64	205	279	9.15	26.63	21.90	70.91	729	4758	1
1355030817062	17.18	1.31	5	40.25	666.18	50.35	36.81	5.28	0.00	2	0.00	0.43	8.22	77.22	777	38.60	1.74	207	130	3.56	39.33	14.50	75.12	486	3189	5
1355030817063	6.95	0.33	0	20.80	1408.35	53.18	43.36	10.77	0.00	0	0.00	0.00	6.55	73.54	127	22.42	0.00	36	20	1.86	60.17	8.50	79.72	59	199	0
1355030817064	30.36	2.01	7	50.01	460.35	51.83	42.16	1.34	0.32	1	0.15	0.42	10.43	72.12	613	44.66	4.23	119	119	4.80	24.38	22.50	70.63	312	2321	0
1355030817065	36.02	3.24	30	59.05	415.46	50.21	46.56	3.44	1.07	0	1.62	0.43	12.01	66.12	347	56.56	9.28	65	79	5.85	21.71	24.60	69.58	131	1358	0
1355030817066	27.52	1.41	0	46.63	466.10	53.40	48.74	5.10	1.72	0	0.00	0.84	7.78	69.51	51	58.12	4.64	19	7	8.05	26.63	21.90	70.91	40	162	1
1355030817067	29.44	1.04	0	51.39	444.82	52.18	32.55	8.72	1.10	0	1.58	0.55	10.05	65.04	96	49.56	4.73	37	9	2.50	27.47	23.60	70.06	57	313	0
1355030817068	20.54	0.42	12	40.32	550.46	53.14	41.69	5.58	0.00	0	0.00	0.29	6.54	74.70	414	47.29	1.90	123	83	2.50	33.91	16.80	73.74	359	1492	6
1355030817069	36.02	3.24	4	59.05	415.46	52.15	39.73	2.27	1.07	0	1.62	0.43	12.01	66.12	240	56.56	9.28	53	52	5.18	21.71	24.6				

1355030817070	6,95	0,33	0	20,80	1408,35	53,99	35,42	10,19	0,00	0	0,00	0,00	6,55	73,54	84	22,42	0,00	32	21	2,63	60,17	8,50	79,72	44	244	0
1355030817071	29,44	1,04	0	51,39	444,82	52,82	42,05	3,60	1,10	2	1,58	0,55	10,05	65,04	332	49,56	4,73	77	87	5,62	27,47	23,60	70,06	304	1285	1
1355030817072	1,71	0,14	18	8,41	463,37	49,74	44,34	9,20	0,00	0	0,00	0,30	4,13	75,99	98	12,87	1,10	32	16	4,93	69,70	6,70	81,38	41	225	0
1355030817073	6,95	0,33	3	20,80	1408,35	50,39	32,20	5,66	0,00	0	0,00	0,00	6,55	73,54	212	22,42	0,00	31	39	2,20	60,17	8,50	79,72	53	537	2
1355030817074	6,95	0,33	0	20,80	1408,35	53,86	33,98	9,90	0,00	0	0,00	0,00	6,55	73,54	51	22,42	0,00	18	7	1,14	60,17	8,50	79,72	11	55	1
1355030817075	29,44	1,04	90	51,39	444,82	51,27	45,42	4,23	1,10	2	1,58	0,55	10,05	65,04	743	49,56	4,73	144	124	7,80	27,47	23,60	70,06	581	2371	0
1355030817076	13,20	0,28	24	39,18	783,13	51,02	42,78	4,76	0,00	0	0,88	0,46	6,77	72,45	225	34,92	0,00	69	52	5,43	42,41	11,90	76,96	162	833	0
1355030817077	6,66	0,22	0	18,91	1368,23	54,01	24,26	3,90	1,54	0	0,00	0,77	6,36	73,06	55	23,46	2,97	24	4	0,26	57,50	8,50	79,71	26	100	4
1355030817078	11,65	0,00	1	37,60	686,50	50,58	38,74	3,62	0,00	0	0,00	0,00	8,63	73,03	79	28,88	2,34	24	34	6,17	39,21	13,30	75,96	126	299	0
1355030817079	14,69	0,85	1	38,15	753,20	51,82	38,33	4,96	0,00	0	0,77	0,43	7,46	75,57	776	40,25	2,89	246	137	4,99	39,05	13,00	76,15	503	2847	5
1355030817080	17,18	1,31	2	40,25	666,18	50,60	43,95	4,55	0,00	0	0,00	0,43	8,22	77,22	136	38,60	1,74	47	23	6,03	39,33	14,50	75,12	107	517	9
1355030817081	6,95	0,33	0	20,80	1408,35	58,80	32,06	4,01	0,00	0	0,00	0,00	6,55	73,54	76	22,42	0,00	37	2	1,40	60,17	8,50	79,72	12	126	0
1355030817082	6,95	0,33	3	20,80	1408,35	51,90	31,67	5,70	0,00	0	0,00	0,00	6,55	73,54	98	22,42	0,00	33	5	2,48	60,17	8,50	79,72	38	362	1
1355030817083	6,95	0,33	1	20,80	1408,35	51,63	32,32	3,26	0,00	0	0,00	0,00	6,55	73,54	91	22,42	0,00	30	9	1,84	60,17	8,50	79,72	46	278	1
1355030817084	11,65	0,00	1	37,60	686,50	49,63	38,41	3,74	0,00	0	0,00	0,00	8,63	73,03	144	28,88	2,34	38	27	3,86	39,21	13,30	75,96	83	751	1
1355030817085	18,87	0,66	6	45,48	561,65	51,99	38,72	4,43	0,00	2	0,00	0,00	8,17	67,97	501	38,90	1,96	155	113	4,88	33,46	17,80	73,10	350	2207	0
1355030817086	18,87	0,66	0	45,48	561,65	52,39	39,80	4,46	0,00	0	0,00	0,00	8,17	67,97	679	38,90	1,96	199	119	6,02	33,46	17,80	73,10	552	2531	4
1355030817087	17,18	1,31	1	40,25	666,18	52,51	39,03	3,17	0,00	0	0,00	0,43	8,22	77,22	159	38,60	1,74	65	28	4,13	39,33	14,50	75,12	134	634	0
1355030817088	18,87	0,66	17	45,48	561,65	52,57	41,93	3,69	0,00	0	0,00	0,00	8,17	67,97	392	38,90	1,96	109	82	5,16	33,46	17,80	73,10	390	1896	4
1355030817089	17,18	1,31	42	40,25	666,18	51,22	40,47	4,14	0,00	2	0,00	0,43	8,22	77,22	867	38,60	1,74	228	138	5,53	39,33	14,50	75,12	682	3075	9
1355030817090	14,69	0,85	0	38,15	753,20	50,74	40,81	3,08	0,00	0	0,77	0,43	7,46	75,57	201	40,25	2,69	46	36	5,42	39,05	13,00	76,15	134	745	0
1355030817091	20,54	0,66	0	45,48	561,65	50,83	40,19	2,17	0,00	0	0,00	0,00	8,17	67,97	116	38,90	1,96	14	13	2,27	33,46	17,80	73,10	59	324	1
1355030817092	20,54	0,66	0	40,32	550,46	49,50	47,96	2,60	0,00	1	0,00	0,29	6,54	74,70	99	47,29	1,90	23	29	3,58	33,91	16,80	73,74	95	616	0
1355030817093	6,95	0,33	0	20,80	1408,35	53,11	35,24	2,61	0,00	0	0,00	0,00	6,55	73,54	168	22,42	0,00	66	10	1,41	60,17	8,50	79,72	84	358	1
1355030817094	6,66	0,22	2	18,91	1368,23	55,97	30,33	8,02	1,54	0	0,00	0,77	6,36	73,06	100	23,46	2,97	40	5	0,56	57,50	8,50	79,71	16	192	0
1355030817095	11,65	0,00	1	37,60	686,50	47,66	24,09	4,28	0,00	0	0,00	0,00	8,63	73,03	197	28,88	2,34	50	17	1,26	39,21	13,30	75,96	73	952	0
1355030818001	9,64	0,58	27	29,12	1287,31	50,29	37,97	9,79	0,00	0	0,00	0,00	3,99	67,75	675	32,50	0,66	271	71	1,93	52,42	8,50	79,64	308	1086	10
1355030818002	5,46	0,13	45	24,16	1328,24	53,08	46,74	14,29	0,00	0	1,15	0,28	3,82	61,82	1948	30,51	4,55	769	316	2,23	49,00	8,50	79,68	432	3382	62
1355030818003	3,37	0,17	28	13,01	2139,80	54,21	42,74	15,08	0,00	0	0,00	0,00	4,18	73,40	3571	6,03	2,72	1389	295	1,08	68,06	7,90	80,19	572	2468	53
1355030818004	2,45	0,34	20	14,64	2334,84	54,45	42,84	15,55	0,00	1	0,00	0,00	2,91	74,44	6008	14,55	0,00	2530	421	1,21	65,27	7,80	80,34	783	3410	53
1355030818005	1,83	0,00	101	10,57	2801,65	54,57	42,62	15,24	0,54	0	0,00	0,54	4,22	75,31	4802	32,17	2,86	2048	304	0,65	67,36	7,50	80,61	461	2492	30
1355030818006	3,76	0,32	77	13,66	2781,68	53,87	38,40	12,39	0,00	1	0,00	0,10	5,15	76,93	5898	8,44	0,00	2498	362	0,89	70,27	7,50	80,59	849	3901	33
1355030818007	2,99	0,00	36	6,61	3961,45	54,36	39,42	14,47	0,00	0	0,00	0,00	3,86	78,97	3982	4,55	0,00	1643	198	0,75	75,47	6,90	81,16	329	1542	9
1355030818008	2,99	0,00	16	8,51	3476,13	54,49	39,35	15,04	0,00	0	0,00	0,20	4,80	74,11	4048	1,69	0,00	1737	196	0,51	69,06	7,10	81,00	328	1494	6
1355030818009	2,75	0,16	27	10,85	3006,41	54,54	40,93	14,39	0,00	0	0,15	0,47	4,06	72,12	2912	5,14	0,00	1266	183	0,83	69,46	7,40	80,69	267	1606	37
1355030818010	10,52	0,74	4	43,66	1007,38	54,54	45,59	15,00	0,00	1	0,00	0,42	4,23	55,74	770	40,62	8,18	109	91	4,32	34,71	11,00	77,64	249	880	0
1355030818011	10,52	0,74	112	43,66	1007,38	47,58	33,54	4,77	0,00	11	0,00	0,42	4,23	55,74	1197	40,62	8,18	425	223	3,26	34,71	11,00	77,64	518	3286	31
1355030818012	5,46	0,13	2	24,16	1328,24	51,18	36,35	7,37	0,00	0	1,15	0,28	3,82	61,82	205	30,51	4,55	91	32	5,23	49,00	8,50	79,68	49	402	25
1355030818013	10,52	0,74	5	43,66	1007,38	46,77	34,50	4,56	0,00	0	0,00	0,42	4,23	55,74	390	40,62	8,18	109	91	4,32	34,71	11,00	77,64	229	1115	10
1355030818014	39,82	2,85	9	58,16	451,82	53,63	52,29	7,47	1,98	0	1,50	0,80	10,62	62,63	153	59,71	3,28	47	37	4,40	20,26	23,20	77,64	88	409	0
1355030818015	10,52	0,74	18	43,66	1007,38	50,75	38,41	4,61	0,00	0	0,00	0,42	4,23	55,74	447	40,62	8,18	157	93	4,28	34,71	11,00	77,64	272	1412	0
1355030818016	2,75	0,16	0	10,85	3006,41	53,62	34,76	5,21	0,00	0	0,15	0,47	4,06	72,12	443	5,14	0,00	123	11	4,36	69,46	7,40	80,69	54	226	3
1355030818017	36,81	3,24	299	57,62	462,01	51,74	49,45	1,58	0,41	0	0,99	5,53	14,24	62,45	220	54,24	0,43	45	73	12,00	21,10	22,30	70,69	206	956	0
1355030818018	8,89	0,47	79	31,76	1206,52	49,82	37,57	10,58	0,00	3	0,00	0,28	4,92	63,31	2911	26,32	4,37	1034	554	1,77	47,21	8,60	79,60	911	5934	149
1355030818019	9,64	0,58	1	29,12	1287,31	52,72	38,71	13,42	0,00	0	0,00	0,00	3,99	67,75	495	32,50	0,66	178	64	1,45	52,42	8,50	79,64	95	520	13
1355030818020	2,75	0,16	8	10,85	3006,41	43,56	21,50	6,21	0,00	0	0,15	0,47	4,06	72,12	948	5,14	0,00	419	48	2,55	69,46	7,40	80,69	329	1255	2
1355030818021	8,89	0,47	6	31,76	1206,52	53,78	44,46	15,52	0,00	1	0,00	0,28	4,92	63,31	1731	26,32	4,37	592	174	2,23	47,21	8,60	79,60	244	1181	7
1355030818022	3,37	0,17	8	13,01	2139,80	53,42	42,06	14,51	0,00	0	0,00	0,00	4,18	73,40	1164	6,03	2,72	452	90	0,95	68,06	7,90	80,19	127	678	2
1355030818023	36,81	3,24	272	57,62	462,01	52,51	48,45	1,46	0,41	1	0,99	5,53	14,24	62,45	133	54,24	0,43	29								

1355030818024	10.52	0.74	1	43.66	1007.38	52.20	43.56	7.02	0.00	1	0.00	0.42	4.23	55.74	115	40.62	8.18	43	47	3.18	34.71	11.00	77.64	111	259	0
1355030818025	9.64	0.58	1	29.12	1287.31	55.93	40.48	13.94	0.00	0	0.00	0.00	3.99	67.75	103	32.50	0.66	57	7	0.88	52.42	8.50	79.64	27	109	3
1355030818026	9.64	0.58	0	29.12	1287.31	54.28	47.12	18.55	0.00	0	0.00	0.00	3.99	67.75	338	32.50	0.66	96	32	1.28	52.42	8.50	79.64	52	283	1
1355030818027	10.52	0.74	1	43.66	1007.38	56.39	47.55	23.64	0.00	0	0.00	0.42	4.23	55.74	86	40.62	8.18	35	7	0.96	34.71	11.00	77.64	11	34	0
1355030818028	9.64	0.58	2	29.12	1287.31	54.37	43.98	16.51	0.00	0	0.00	0.00	3.99	67.75	428	32.50	0.66	162	44	2.72	52.42	8.50	79.64	78	335	1
1355030818029	10.52	0.74	2	43.66	1007.38	55.96	40.05	19.12	0.00	0	0.00	0.42	4.23	55.74	108	40.62	8.18	40	11	2.13	34.71	11.00	77.64	15	25	0
1355030818030	8.89	0.47	1	31.76	1206.52	50.35	41.54	15.99	0.00	0	0.00	0.28	4.92	63.31	124	26.32	4.37	36	11	1.93	47.21	8.60	79.60	26	85	0
1355030818031	8.89	0.47	0	31.76	1206.52	54.82	42.02	14.72	0.00	0	0.00	0.28	4.92	63.31	219	26.32	4.37	85	26	1.11	47.21	8.60	79.60	43	226	1
1355030818033	9.64	0.58	1	29.12	1287.31	55.06	46.18	17.82	0.00	0	0.00	0.00	3.99	67.75	207	32.50	0.66	87	18	1.55	52.42	8.50	79.64	17	217	0
1355030818034	3.37	0.17	2	13.01	2139.80	54.56	36.59	12.08	0.00	1	0.00	0.00	4.18	73.40	679	6.03	2.72	249	42	1.39	68.06	7.90	80.19	121	482	2
1355030818035	2.75	0.16	0	10.85	3006.41	53.63	28.69	7.59	0.00	0	0.15	0.47	4.06	72.12	136	5.14	0.00	43	4	0.19	69.46	7.40	80.69	15	56	0
1355030818036	10.52	0.74	1	43.66	1007.38	53.70	41.31	14.81	0.00	0	0.00	0.42	4.23	55.74	94	40.62	8.18	39	23	1.85	34.71	11.00	77.64	27	86	3
1355030818037	9.64	0.58	1	29.12	1287.31	52.81	40.03	12.67	0.00	0	0.00	0.00	3.99	67.75	954	32.50	0.66	253	117	1.58	52.42	8.50	79.64	199	783	0
1355030818038	5.46	0.13	0	24.16	1328.24	54.16	45.90	18.57	0.00	0	1.15	0.28	3.82	61.82	527	30.51	4.55	174	65	1.85	49.00	8.50	79.68	64	362	1
1355030818039	3.37	0.17	3	13.01	2139.80	52.82	27.82	5.98	0.00	0	0.00	0.00	4.18	73.40	388	6.03	2.72	183	12	0.41	68.06	7.90	80.19	166	252	0
1355030818040	3.37	0.17	2	13.01	2139.80	54.22	24.59	6.85	0.00	0	1.15	0.28	3.82	61.82	86	30.51	4.55	28	12	1.73	49.00	8.50	79.68	20	120	0
1355030818041	10.52	0.74	8	43.66	1007.38	51.31	37.38	7.77	0.00	2	0.00	0.42	4.23	55.74	259	40.62	8.18	107	33	1.32	34.71	11.00	77.64	108	431	11
1355030818042	9.64	0.58	13	29.12	1287.31	51.24	38.21	8.22	0.00	0	0.00	0.00	3.99	67.75	300	32.50	0.66	93	56	2.31	52.42	8.50	79.64	109	441	17
1355030818043	5.46	0.13	0	24.16	1328.24	52.22	43.33	9.73	0.00	0	1.15	0.28	3.82	61.82	86	30.51	4.55	28	12	1.73	49.00	8.50	79.68	20	120	0
1355030818044	5.46	0.13	0	24.16	1328.24	55.20	41.97	15.46	0.00	0	1.15	0.28	3.82	61.82	218	30.51	4.55	104	36	1.82	49.00	8.50	79.68	42	176	0
1355030818045	8.89	0.47	5	31.76	1206.52	53.60	43.39	13.12	0.00	0	0.00	0.28	4.92	63.31	676	26.32	4.37	254	83	2.63	47.21	8.60	79.60	189	757	3
1355030818046	8.89	0.47	0	29.12	1287.31	55.54	44.00	13.94	0.00	1	0.00	0.28	4.92	63.31	642	26.32	4.37	190	89	2.20	47.21	8.60	79.60	260	771	2
1355030818047	9.64	0.58	0	29.12	1287.31	55.54	44.00	13.94	0.00	0	0.00	0.00	3.99	67.75	187	32.50	0.66	95	30	1.46	52.42	8.50	79.64	55	135	0
1355030818048	2.75	0.16	4	10.85	3006.41	55.97	30.33	10.48	0.00	0	0.15	0.47	4.06	72.12	89	5.14	0.00	43	1	0.24	69.46	7.40	80.69	18	57	0
1355030818049	10.52	0.74	0	43.66	1007.38	51.66	40.26	2.30	0.00	0	0.00	0.42	4.23	55.74	166	40.62	8.18	34	16	4.21	34.71	11.00	77.64	57	398	0
1355030818050	9.64	0.58	0	29.12	1287.31	53.33	41.90	15.69	0.00	0	0.00	0.00	3.99	67.75	760	32.50	0.66	240	89	1.10	52.42	8.50	79.64	105	629	1
1355030818051	3.37	0.17	3	13.01	2139.80	56.57	43.71	16.42	0.00	0	0.00	0.00	4.18	73.40	169	6.03	2.72	88	12	1.70	68.06	7.90	80.19	82	206	0
1355030819001	37.66	5.08	5	49.17	447.99	48.46	43.71	6.20	7.68	1	0.76	1.23	11.06	58.05	595	35.42	1.76	112	204	9.26	21.19	23.50	70.12	320	2548	20
1355030819002	23.19	0.50	9	37.83	678.87	51.84	38.32	4.66	5.49	1	0.00	2.01	9.00	63.47	1968	40.80	0.58	462	377	3.49	33.78	13.40	75.89	861	6652	18
1355030819003	37.66	5.08	7	49.17	447.99	49.00	50.35	5.48	7.68	5	0.76	1.23	11.06	58.05	249	35.42	1.76	28	109	6.79	21.19	23.50	70.12	128	1193	0
1355030819004	32.49	4.37	47	48.55	457.73	50.66	46.56	3.45	3.24	17	1.51	1.09	10.54	69.27	3690	45.82	3.12	656	832	6.41	26.67	22.70	70.50	2380	13553	42
1355030819005	38.84	5.51	156	50.98	401.74	50.97	49.72	3.20	6.37	19	0.00	2.00	8.41	61.55	4565	59.91	2.88	819	1161	8.26	22.83	25.00	69.43	2527	17635	888
1355030819006	6.66	0.22	1	18.91	1368.23	52.63	42.63	6.39	1.54	0	0.00	0.77	6.36	73.06	97	23.46	2.97	34	21	1.60	57.50	8.50	79.71	43	230	1
1355030819007	32.49	4.37	263	48.55	457.73	50.82	44.52	3.54	3.24	1	1.51	1.09	10.54	69.27	1116	45.82	3.12	203	256	6.98	26.67	22.70	70.50	1035	3586	1
1355030819008	32.49	4.37	0	48.55	457.73	52.43	42.80	3.81	3.24	0	1.51	1.09	10.54	69.27	148	45.82	3.12	32	39	6.44	26.67	22.70	70.50	46	596	1
1355030819009	32.49	4.37	4	48.55	457.73	50.39	36.63	5.04	3.24	0	1.51	1.09	10.54	69.27	164	45.82	3.12	28	80	5.70	26.67	22.70	70.50	138	614	0
1355030819010	38.84	5.51	9	50.98	401.74	50.75	44.13	4.36	6.37	2	0.00	2.00	8.41	61.55	707	59.91	2.88	102	168	8.85	22.83	25.00	69.43	354	2363	22
1355030819011	32.49	4.37	126	48.55	457.73	49.81	49.40	3.25	3.24	2	1.51	1.09	10.54	69.27	1712	45.82	3.12	277	437	7.18	26.67	22.70	70.50	931	6925	9
1355030819012	23.19	0.50	2	37.83	678.87	52.81	36.87	7.67	5.49	0	0.00	2.01	9.00	63.47	154	40.80	0.58	46	22	2.43	33.78	13.40	75.89	46	319	2
1355030819013	23.19	0.50	2	37.83	678.87	51.99	39.20	4.42	5.49	1	0.00	2.01	9.00	63.47	640	40.80	0.58	160	131	4.88	33.78	13.40	75.89	393	2008	13
1355030819014	32.49	4.37	3	48.55	457.73	52.13	38.28	4.45	3.24	0	1.51	1.09	10.54	69.27	453	45.82	3.12	97	77	6.79	26.67	22.70	70.50	329	1346	1
1355030819015	23.19	0.50	0	37.83	678.87	48.37	39.01	2.48	5.49	0	0.00	2.01	9.00	63.47	36	40.80	0.58	13	13	4.38	33.78	13.40	75.89	65	340	0
1355030819016	23.19	0.50	0	37.83	678.87	53.86	42.63	6.72	5.49	0	0.00	2.01	9.00	63.47	136	40.80	0.58	40	22	6.27	33.78	13.40	75.89	19	377	0
1355030819017	23.19	0.50	9	37.83	678.87	47.89	43.50	6.41	5.49	2	0.00	2.01	9.00	63.47	153	40.80	0.58	40	75	4.87	33.78	13.40	75.89	75	832	0
1355030819018	37.66	5.08	0	49.17	447.99	50.72	43.22	2.29	7.68	0	0.76	1.23	11.06	58.05	959	35.42	1.76	130	180	5.24	21.19	23.50	70.12	421	3522	19
1355030819019	23.19	0.50	1	37.83	678.87	51.83	44.64	2.60	5.49	1	0.00	2.01	9.00	63.47	882	40.80	0.58	175	166	4.58	33.78	13.40	75.89	516	2940	7
1355030820001	11.57	0.62	132	13.90	910.59	53.03	43.78	11.54	0.75	2	0.00	0.50	6.42	72.22	1861	40.59	1.08	688	303	2.12	41.46	10.50	78.04	604	3514	4
1355030820002	4.62	0.78	24	15.95	1407.57	52.73	38.39	9.74	0.00	0	0.26	0.00	4.83	72.06	1655	9.09	0.00	483	184	1.46	64.39	8.50	79.72	771	2334	7
1355030820003	2.79	0.00	12	11.93	1850.48	54.25	39.09	11.82	0.00	2	0.00	0.00	4.04	76.49	2164	7.89	0.00	933	190	1.23						

1355030820004	5.65	0.44	8	22.68	1284.26	53.55	43.14	12.25	0.00	3	0.00	0.00	5.95	70.10	2439	5.44	0.00	933	381	1.95	60.04	8.50	79.64	1187	3407	11
1355030820005	13.72	0.79	8	37.97	780.14	52.64	36.94	7.10	0.00	0	0.00	0.00	5.49	70.34	1276	44.90	2.94	360	248	2.35	43.52	11.90	76.95	735	3600	0
1355030820006	11.57	0.62	17	31.90	910.59	52.98	39.73	9.36	0.75	0	0.00	0.50	6.42	72.22	1354	40.59	1.08	367	249	2.94	41.46	10.50	78.04	663	3143	3
1355030820007	8.68	0.00	26	31.69	970.90	52.94	41.02	10.40	0.00	2	0.00	0.25	5.34	70.46	3943	19.54	1.73	1269	625	2.31	50.00	9.60	78.74	2801	7921	37
1355030820008	10.67	0.33	8	30.43	991.80	52.98	39.79	11.74	0.00	0	0.00	0.00	8.58	65.67	1947	18.03	1.70	664	287	1.89	51.46	10.60	77.93	988	3189	3
1355030820009	7.61	0.00	19	15.63	1017.12	54.50	38.16	10.32	0.00	0	0.00	0.00	7.98	76.45	5392	9.29	1.54	2110	504	1.57	56.82	9.30	79.04	3396	8580	17
1355030820010	13.72	0.79	9	37.97	780.14	53.23	40.97	9.63	0.00	3	0.00	0.00	5.49	70.34	1203	44.90	2.94	361	188	2.28	43.52	11.90	76.95	998	2593	0
1355030820011	2.79	0.00	1	11.93	1850.48	55.80	46.38	18.45	0.00	0	0.00	0.00	4.04	76.49	841	7.89	0.00	365	82	1.11	67.79	8.20	79.94	147	683	0
1355030820012	33.41	3.12	66	58.59	475.81	53.26	45.86	4.43	1.31	0	1.06	2.35	7.17	62.04	374	60.69	3.93	96	127	6.83	25.70	20.50	71.63	214	1232	1
1355030820013	33.41	3.12	57	58.59	475.81	49.67	46.92	2.13	1.31	0	1.06	2.35	7.17	62.04	136	60.69	3.93	34	47	3.63	25.70	20.50	71.63	108	548	0
1355030820014	2.79	0.00	4	11.93	1850.48	53.77	37.61	10.93	0.00	0	0.00	0.00	4.04	76.49	574	7.89	0.00	222	60	0.84	67.79	8.20	79.94	206	649	11
1355030820015	5.65	0.44	1	22.68	1284.26	53.74	44.67	15.23	0.00	0	0.00	0.00	5.95	70.10	351	5.44	0.00	155	47	1.52	60.04	8.50	79.64	84	454	7
1355030820016	4.62	0.78	11	15.95	1407.57	53.12	37.67	9.28	0.00	0	0.26	0.00	4.83	72.06	637	9.09	0.00	215	93	1.15	64.39	8.50	79.72	223	1046	45
1355030820017	33.41	3.12	0	58.59	475.81	51.06	51.09	4.16	1.31	4	1.06	2.35	7.17	62.04	554	60.69	3.93	105	179	6.76	25.70	20.50	71.63	371	1850	17
1355030820018	11.57	0.62	4	31.90	910.59	52.79	43.17	12.57	0.75	0	0.00	0.50	6.42	72.22	1306	40.59	1.08	449	193	2.04	41.46	10.50	78.04	424	1927	11
1355030820019	12.41	1.14	7	34.00	855.89	53.85	41.88	11.49	0.94	3	0.00	0.00	6.82	70.27	2426	32.82	1.54	726	411	2.61	44.33	11.50	77.28	1197	4535	39
1355030820020	5.65	0.44	4	22.68	1284.26	54.66	42.60	14.17	0.00	4	0.00	0.00	5.95	70.10	1600	5.44	0.00	575	187	1.70	60.04	8.50	79.64	580	1627	22
1355030820021	11.04	0.00	11	32.61	1150.99	53.02	41.69	13.46	0.99	2	0.00	0.17	5.81	75.85	973	17.62	2.41	357	131	1.66	57.42	8.80	79.45	409	1209	10
1355030820022	4.15	0.00	9	26.55	1664.30	54.06	40.08	11.63	0.00	0	0.00	0.11	5.91	73.35	1170	11.74	2.12	410	92	1.02	60.47	8.30	79.86	322	866	11
1355030820023	11.04	0.00	0	32.61	1150.99	52.75	42.17	13.23	0.99	0	0.00	0.17	5.81	75.85	166	17.62	2.41	62	27	2.95	57.42	8.80	79.45	91	228	0
1355030820024	36.02	3.24	1	59.05	415.46	52.59	78.15	0.67	1.07	1	1.62	4.30	12.01	66.12	54	56.56	9.28	9	27	12.50	21.71	24.60	69.58	50	163	0
1355030820025	15.54	0.69	12	39.36	666.42	51.66	43.08	9.69	0.00	1	0.00	0.00	9.02	70.04	1096	38.85	0.00	322	204	3.46	37.45	14.60	75.07	823	2439	19
1355030820026	4.62	0.78	5	15.95	1407.57	53.89	42.51	12.17	0.00	0	0.26	0.00	4.83	72.06	366	9.09	0.00	143	50	1.71	64.39	8.50	79.72	121	364	6
1355030820027	10.67	0.33	2	30.43	991.80	52.24	40.57	10.33	0.00	2	0.00	0.00	8.58	65.67	1203	18.03	1.70	469	193	2.69	51.46	10.60	77.93	904	2465	4
1355030820028	15.54	0.69	15	39.36	666.42	52.07	41.44	6.01	0.00	0	0.00	0.00	9.02	70.04	599	38.85	0.00	155	91	2.13	37.45	14.60	75.07	527	1232	7
1355030820029	12.41	1.14	10	34.00	855.89	52.68	40.83	7.75	0.94	0	0.00	0.00	6.82	70.27	1403	32.82	1.54	517	310	2.56	44.33	11.50	77.28	1119	3539	8
1355030820030	11.04	0.00	56	32.61	1150.99	52.92	40.74	11.73	0.99	1	0.00	0.17	5.81	75.85	2317	17.62	2.41	822	362	1.96	57.42	8.80	79.45	1134	3444	11
1355030820031	33.41	3.12	38	58.59	475.81	51.15	48.00	3.39	1.31	1	1.06	2.35	7.17	62.04	680	60.69	3.93	148	229	6.16	25.70	20.50	71.63	456	2973	11
1355030820032	33.41	3.12	3	58.59	475.81	52.66	40.34	5.88	1.31	0	1.06	2.35	7.17	62.04	121	60.69	3.93	47	37	5.11	25.70	20.50	71.63	132	540	3
1355030820033	13.72	0.79	1	37.97	780.14	52.08	42.92	9.23	0.00	0	0.00	0.00	5.49	70.34	592	44.90	2.94	170	191	3.57	43.52	11.90	76.95	423	1975	15
1355030820034	33.41	3.12	3	58.59	475.81	53.62	39.46	7.01	1.31	0	1.06	2.35	7.17	62.04	310	60.69	3.93	95	76	6.48	25.70	20.50	71.63	181	944	0
1355030820035	33.41	3.12	3	58.59	475.81	51.78	38.37	6.29	1.31	0	1.06	2.35	7.17	62.04	216	60.69	3.93	59	44	2.48	25.70	20.50	71.63	149	684	5
1355030820036	33.41	3.12	9	58.59	475.81	50.63	38.29	5.47	1.31	0	1.06	2.35	7.17	62.04	90	60.69	3.93	38	26	3.11	25.70	20.50	71.63	72	377	0
1355030820037	36.02	3.24	0	59.05	415.46	50.76	30.05	11.49	1.07	0	1.62	4.30	12.01	66.12	118	56.56	9.28	29	16	0.29	21.71	24.60	69.58	33	110	0
1355030820038	4.15	0.00	0	26.55	1664.30	52.65	30.33	4.01	0.00	0	0.00	0.11	5.91	73.35	77	11.74	2.12	32	4	0.20	60.47	8.30	79.86	48	150	1
1355030820039	10.67	0.33	8	30.43	991.80	51.50	41.27	6.46	0.00	0	0.00	0.00	8.58	65.67	106	18.03	1.70	26	26	4.12	51.46	10.60	77.93	53	387	0
1355030820040	15.54	0.69	14	39.36	666.42	54.26	36.82	3.72	0.00	0	0.00	0.00	9.02	70.04	1555	38.85	0.00	439	190	3.19	37.45	14.60	75.07	951	3751	19
1355030820041	36.02	3.24	2	59.05	415.46	53.04	35.88	10.22	1.07	0	1.62	4.30	12.01	66.12	154	56.56	9.28	27	13	0.96	21.71	24.60	69.58	53	214	0
1355030820042	11.04	0.00	0	32.61	1150.99	54.65	32.39	4.65	0.99	0	0.00	0.17	5.81	75.85	109	17.62	2.41	40	5	1.33	57.42	8.80	79.45	97	197	0
1355030820043	4.62	0.78	7	15.95	1407.57	52.74	33.77	5.51	0.00	0	0.26	0.00	4.83	72.06	721	9.09	0.00	190	66	1.02	64.39	8.50	79.72	373	1218	1
1355030820044	15.54	0.69	15	39.36	666.42	53.29	35.51	5.16	0.00	0	0.00	0.00	9.02	70.04	583	38.85	0.00	167	96	3.18	37.45	14.60	75.07	286	1640	0
1355030820045	15.54	0.69	0	39.36	666.42	54.20	36.50	6.25	0.00	0	0.00	0.00	9.02	70.04	174	38.85	0.00	38	33	5.71	37.45	14.60	75.07	114	433	2
1355030820046	36.02	3.24	0	59.05	415.46	50.91	63.37	2.02	1.07	0	1.62	4.30	12.01	66.12	58	56.56	9.28	15	23	6.07	21.71	24.60	69.58	87	125	2
1355030820047	4.62	0.78	0	15.95	1407.57	53.80	39.56	12.82	0.00	0	0.26	0.00	4.83	72.06	613	9.09	0.00	231	81	1.66	64.39	8.50	79.72	185	671	3
1355030820048	6.94	0.00	36	25.28	1173.76	53.47	41.32	11.72	0.00	1	0.00	0.26	6.97	71.97	2979	22.37	3.86	1074	421	2.01	51.84	8.70	79.53	1624	4447	25
1355030820049	33.41	3.12	0	58.59	475.81	55.01	51.64	3.54	1.31	0	1.06	2.35	7.17	62.04	89	60.69	3.93	30	28	7.54	25.70	20.50	71.63	144	275	0
1355030820050	15.54	0.69	1	39.36	666.42	51.05	54.88	15.17	0.00	0	0.00	0.00	9.02	70.04	62	38.85	0.00	29	20	3.39	37.45	14.60	75.07	37	207	0
1355030820051	5.65	0.44	2	22.68	1284.26	53.97	34.12	8.00	0.00	0	0.00	0.00	5.95	70.10	286	5.44	0.00	103	26	0.85	60.04	8.50	79.64	249	407	0
1355030820052	2.79	0.00	3	11.93	1850.48	51.73	34.28	4.10	0.00	0	0.00	0.00	4.04													

1355030820053	36.02	3.24	2	59.05	415.46	50.68	46.67	1.93	1.07	0	1.62	4.30	12.01	66.12	92	56.56	9.28	12	34	8.10	21.71	24.60	69.58	20	501	0
1355030820054	11.98	0.00	22	29.28	1001.50	55.02	37.65	8.03	0.20	0	0.16	0.36	7.91	75.14	563	19.79	0.00	192	38	1.74	49.20	9.40	78.96	403	964	0
1355030820055	6.94	0.00	1	25.28	1173.76	52.97	38.35	9.68	0.00	0	0.00	0.26	6.97	71.97	191	22.37	3.86	73	28	0.89	51.84	8.70	79.53	72	295	0
1355030820056	33.41	3.12	103	58.59	475.81	50.93	47.82	3.10	1.31	6	1.06	2.35	7.17	62.04	717	60.69	3.93	133	240	6.23	25.70	20.50	71.63	779	2776	2
1355030820057	15.54	0.69	2	39.36	666.42	51.63	42.65	3.10	0.00	1	0.00	0.00	9.02	70.04	633	38.85	0.00	145	172	7.62	37.45	14.60	75.07	353	2478	5
1355030820058	4.15	0.00	17	26.55	1664.30	53.81	40.29	11.88	0.00	1	0.00	0.11	5.91	73.35	2144	11.74	2.12	715	206	0.95	60.47	8.30	79.86	462	1841	5
1355030820059	15.54	0.69	1	39.36	666.42	52.12	41.72	10.88	0.00	0	0.00	0.00	9.02	70.04	173	38.85	0.00	38	17	0.42	37.45	14.60	75.07	76	135	0
1355030820060	13.72	0.79	0	37.97	780.14	53.22	41.21	9.81	0.00	0	0.00	0.00	5.49	70.34	189	44.90	2.94	76	48	0.84	43.52	11.90	76.95	47	178	0
1355030820061	6.94	0.00	2	29.28	1173.76	54.80	43.67	15.26	0.00	0	0.00	0.26	6.97	71.97	214	22.37	3.86	89	29	1.09	51.84	8.70	79.53	36	237	6
1355030820062	11.98	0.00	17	29.28	1001.50	52.05	42.65	15.63	0.20	0	0.16	0.36	7.91	75.14	215	19.79	0.00	73	26	1.52	49.20	9.40	78.96	36	248	1
1355030820063	4.15	0.00	8	26.55	1664.30	53.87	39.76	13.16	0.00	1	0.00	0.11	5.91	73.35	1549	11.74	2.12	647	115	1.10	60.47	8.30	79.86	393	1513	2
1355030820064	13.72	0.79	3	37.97	780.14	52.53	42.82	9.87	0.00	0	0.00	0.00	5.49	70.34	883	44.90	2.94	218	136	2.65	43.52	11.90	76.95	608	1707	21
1355030820065	33.41	3.12	1	58.59	475.81	52.54	41.22	5.48	1.31	0	1.06	2.35	7.17	62.04	172	60.69	3.93	56	44	6.34	25.70	20.50	71.63	165	466	0
1355030820066	5.65	0.44	1	22.68	1284.26	54.49	40.78	13.08	0.00	0	0.00	0.00	5.95	70.10	599	5.44	0.00	249	79	1.02	60.04	8.50	79.64	153	726	4
1355030820067	11.98	0.00	14	29.28	1001.50	53.13	41.55	11.13	0.20	0	0.16	0.36	7.91	75.14	3251	19.79	0.00	1100	538	2.09	49.20	9.40	78.96	2274	4762	17
1355030820068	4.62	0.78	0	15.95	1407.57	53.12	42.19	11.02	0.00	0	0.26	0.00	4.83	72.06	513	9.09	0.00	142	48	1.63	64.39	8.50	79.72	169	401	0
1355030820069	10.67	0.33	9	30.43	991.80	52.97	43.30	10.98	0.00	0	0.00	0.00	8.58	65.67	545	18.03	1.70	178	107	2.08	51.46	10.60	77.93	323	941	2
1355030820070	4.15	0.00	0	26.55	1664.30	47.42	28.31	7.28	0.00	0	0.00	0.11	5.91	73.35	77	11.74	2.12	14	6	0.28	60.47	8.30	79.86	28	70	0
1355030820071	11.98	0.00	0	29.28	1001.50	53.99	36.57	6.06	0.20	0	0.16	0.36	7.91	75.14	110	19.79	0.00	30	23	3.22	49.20	9.40	78.96	49	306	4
1355030820072	33.41	3.12	5	58.59	475.81	52.62	44.98	12.79	1.31	0	1.06	2.35	7.17	62.04	45	60.69	3.93	18	11	3.59	25.70	20.50	71.63	49	137	1
1355030820073	4.15	0.00	1	26.55	1664.30	56.76	28.70	2.03	0.00	0	0.00	0.11	5.91	73.35	68	11.74	2.12	36	3	0.85	60.47	8.30	79.86	26	117	0
1355030821001	17.15	1.14	1	41.41	710.64	50.77	38.34	2.90	0.30	1	0.00	0.78	8.34	69.96	1056	35.60	1.84	212	207	3.30	43.16	14.70	75.02	653	4458	3
1355030821002	25.04	0.95	3	44.04	518.74	49.33	47.08	3.76	2.06	6	1.11	0.58	10.49	72.80	311	40.41	0.74	43	101	5.95	34.86	18.30	72.82	263	1518	7
1355030821003	25.04	0.95	43	44.04	518.74	52.44	41.70	2.89	2.06	1	1.11	0.58	10.49	72.80	1350	40.41	0.74	308	287	3.72	34.86	18.30	72.82	983	4249	27
1355030821004	25.04	0.95	9	44.04	518.74	51.66	46.61	5.09	2.06	0	1.11	0.58	10.49	72.80	1237	40.41	0.74	279	356	5.66	34.86	18.30	72.82	868	4575	8
1355030821005	25.04	0.95	8	44.04	518.74	50.56	45.95	1.57	2.06	2	1.11	0.58	10.49	72.80	926	40.41	0.74	240	264	4.99	34.86	18.30	72.82	930	5357	2
1355030821006	13.47	0.63	39	32.73	807.39	51.20	34.16	4.28	0.32	0	0.15	0.62	7.40	76.50	1354	21.49	0.50	323	204	2.84	40.29	11.60	77.16	518	4006	14
1355030821007	17.15	1.14	6	41.41	710.64	50.68	38.78	2.55	0.30	6	0.00	0.78	8.34	69.96	2152	35.60	1.84	524	485	4.52	43.16	14.70	75.02	1411	9393	30
1355030821008	25.04	0.95	0	44.04	518.74	48.17	44.28	3.52	2.06	1	1.11	0.58	10.49	72.80	134	40.41	0.74	31	35	5.95	34.86	18.30	72.82	82	656	0
1355030821009	13.47	0.63	31	32.73	807.39	52.06	39.18	6.38	0.32	2	0.15	0.62	7.40	76.50	2110	21.49	0.50	604	451	3.20	40.29	11.60	77.16	1356	6496	27
1355030821010	33.50	3.29	43	54.81	423.27	48.15	43.49	2.47	1.12	0	0.98	0.58	13.19	71.79	191	51.94	1.45	45	99	5.34	26.26	24.30	69.75	215	1286	0
1355030821011	25.04	0.95	4	44.04	518.74	51.06	41.97	5.38	2.06	4	1.11	0.58	10.49	72.80	537	40.41	0.74	101	136	4.45	34.86	18.30	72.82	311	1582	1
1355030821012	25.04	0.95	0	44.04	518.74	52.19	47.60	3.47	2.06	0	1.11	0.58	10.49	72.80	141	40.41	0.74	29	52	4.56	34.86	18.30	72.82	89	594	0
1355030821013	13.47	0.63	11	32.73	807.39	51.00	39.93	9.56	0.32	3	0.15	0.62	7.40	76.50	986	21.49	0.50	277	222	3.20	40.29	11.60	77.16	562	2714	12
1355030821014	33.50	3.29	308	54.81	423.27	50.75	48.27	2.03	1.12	8	0.98	0.58	13.19	71.79	2255	51.94	1.45	431	756	6.49	26.26	24.30	69.75	1870	11376	54
1355030821015	33.50	3.29	0	54.81	423.27	51.12	49.28	1.89	1.12	2	0.98	0.58	13.19	71.79	226	51.94	1.45	47	55	9.16	26.26	24.30	69.75	181	998	12
1355030821016	33.50	3.29	5	54.81	423.27	50.23	44.68	1.45	1.12	2	0.98	0.58	13.19	71.79	444	51.94	1.45	88	120	6.45	26.26	24.30	69.75	219	2172	1
1355030821017	33.50	3.29	1	54.81	423.27	53.65	47.97	2.05	1.12	0	0.98	0.58	13.19	71.79	34	51.94	1.45	12	16	10.82	26.26	24.30	69.75	25	225	1
1355030822001	1.00	0.50	52	4.05	6497.45	56.03	36.46	17.00	0.00	0	0.24	0.08	4.52	71.49	6042	0.00	0.00	3731	128	0.65	81.89	6.10	81.93	436	1889	16
1355030822002	2.04	0.74	26	4.03	7702.72	55.75	44.08	18.35	0.00	0	0.00	0.42	3.45	73.06	4846	6.24	0.00	2711	258	0.63	84.31	6.00	82.10	476	1724	5
1355030822003	1.41	0.00	25	2.93	7848.42	55.32	32.51	15.58	0.00	0	0.09	0.28	3.76	69.85	5369	0.00	0.00	3458	126	0.49	88.00	6.00	82.11	278	1584	24
1355030822004	0.00	0.00	7	2.08	9466.42	53.84	33.67	11.81	0.00	0	0.00	0.00	2.84	73.06	1281	4.25	0.00	742	66	0.49	82.68	5.90	82.21	81	574	2
1355030822005	0.29	0.20	23	3.53	7287.68	55.98	38.84	17.64	0.00	0	0.00	0.11	3.22	78.20	4885	0.00	0.00	2774	77	0.34	87.58	6.00	82.01	257	1047	11
1355030822006	2.87	0.06	15	9.00	4370.07	56.39	34.38	15.55	0.00	0	0.00	0.43	3.39	70.03	4359	10.96	2.62	2620	100	0.51	77.48	6.80	81.23	408	1579	15
1355030822007	0.00	0.00	21	2.08	9466.42	55.96	51.55	20.36	0.00	0	0.00	0.00	2.84	73.06	2012	4.25	0.00	1086	187	0.76	82.68	5.90	82.21	296	819	4
1355030822008	3.11	0.61	19	9.95	5778.61	54.53	30.39	11.35	0.00	0	0.00	1.96	3.63	76.21	1862	0.00	0.00	991	50	0.45	83.68	6.20	81.82	178	694	4
1355030822009	0.86	0.21	27	5.36	5125.20	54.75	28.04	12.80	0.00	0	0.00	0.22	5.18	79.16	4666	2.54	0.00	2826	89	0.36	86.17	6.40	81.61	259	1108	5
1355030822010	1.14	0.00	26	4.33	4793.50	54.21	38.61	14.77	0.00	2	0.08	0.08	3.36	76.15	4823	3.27	3.26	2266	173	0.65	82.82	6.60	81.46	339	1718	11
1355030822011	1.26	0.05	34	7.76	5207.07	55.11	42.43	16.82	0.00	0	0.25	0.00														

1355030822012	0,45	0,00	19	9,51	4415,65	55,65	28,88	13,14	0,00	0,00	0,45	4,46	71,24	3154	24,85	0,00	1852	67	0,40	76,67	6,80	81,24	231	916	10	
1355030822013	13,12	0,96	0	38,76	805,14	52,46	53,14	2,73	1,78	0,00	1,62	9,90	69,96	56	22,65	1,08	14	9	13,65	46,45	11,80	77,06	50	180	0	
1355030822014	2,87	0,06	0	9,00	4370,07	52,38	42,30	19,62	0,00	0,00	0,43	3,39	70,03	136	10,96	2,62	39	13	1,12	77,48	6,80	81,23	22	115	0	
1355030822015	2,87	0,06	15	9,00	4370,07	53,87	43,33	18,29	0,00	0,00	0,43	3,39	70,03	934	10,96	2,62	345	76	1,13	77,48	6,80	81,23	94	712	4	
1355030822016	3,11	0,61	23	9,95	5778,61	52,02	30,21	8,78	0,00	1,00	1,96	3,63	76,21	737	0,00	0,00	360	38	1,03	83,68	6,20	81,82	141	495	2	
1355030822017	0,00	0,00	0	2,08	9466,42	51,54	30,53	5,71	0,00	0,00	0,00	2,84	73,06	137	4,25	0,00	47	3	0,45	82,68	5,90	82,21	7	59	0	
1355030822018	2,87	0,06	5	9,00	4370,07	55,16	36,98	16,02	0,00	0,00	0,43	3,39	70,03	908	10,96	2,62	485	75	1,06	77,48	6,80	81,23	216	591	13	
1355030822019	0,45	0,00	4	9,51	4415,65	51,82	34,45	15,17	0,00	0,00	0,45	4,46	71,24	1018	24,85	0,00	541	42	1,48	76,67	6,80	81,24	207	771	1	
1355030822020	2,87	0,06	2	9,00	4370,07	54,94	43,31	17,59	0,00	0,00	0,43	3,39	70,03	353	10,96	2,62	147	23	1,36	77,48	6,80	81,23	65	257	3	
1355030822021	3,11	0,61	5	9,95	5778,61	54,19	33,68	14,09	0,00	0,00	1,96	3,63	76,21	1048	0,00	0,00	548	38	0,81	83,68	6,20	81,82	152	395	2	
1355030822022	3,11	0,61	5	9,95	5778,61	56,01	35,54	15,42	0,00	0,00	1,96	3,63	76,21	998	0,00	0,00	361	14	0,61	83,68	6,20	81,82	60	231	1	
1355030822023	0,00	0,00	4	2,08	9466,42	57,32	38,26	15,50	0,00	0,00	0,00	2,84	73,06	808	4,25	0,00	481	31	0,42	82,68	5,90	82,21	69	255	0	
1355030822024	10,85	0,27	0	34,41	825,53	55,87	34,60	22,06	0,00	0,00	0,54	4,37	74,97	122	34,15	0,77	45	1	0,21	44,08	11,40	77,33	8	60	1	
1355030822025	3,11	0,61	1	9,95	5778,61	56,93	41,79	16,15	0,00	0,00	1,96	3,63	76,21	274	0,00	0,00	103	4	0,63	83,68	6,20	81,82	39	40	0	
1355030822026	0,45	0,00	0	9,51	4415,65	56,55	35,41	17,66	0,00	0,00	0,45	4,46	71,24	452	24,85	0,00	218	23	0,69	76,67	6,80	81,24	22	111	0	
1355030822027	0,45	0,00	1	9,51	4415,65	57,71	46,29	20,51	0,00	0,00	0,45	4,46	71,24	249	24,85	0,00	117	3	0,66	76,67	6,80	81,24	25	52	1	
1355030823001	9,60	0,40	121	28,24	1243,59	53,15	39,84	11,20	0,00	3,00	0,38	5,75	67,23	3613	14,20	4,06	1183	434	1,99	52,33	8,60	79,61	1362	4774	16	
1355030823002	34,07	4,06	4	59,21	447,86	51,09	44,38	3,24	4,92	3,00	4,39	13,46	67,10	1362	64,64	4,67	233	302	7,25	28,61	23,60	70,09	753	4500	3	
1355030823003	8,14	0,47	23	22,30	1289,55	53,59	40,92	11,72	0,00	2,00	0,60	6,32	69,43	2782	21,48	1,66	951	350	2,44	51,19	8,50	79,64	869	3927	25	
1355030823004	5,85	0,13	3	19,90	1610,02	52,14	36,40	10,00	0,00	0,00	0,00	5,20	74,36	1805	18,72	0,00	581	204	1,10	67,03	8,30	79,84	644	2096	5	
1355030823005	12,24	0,81	72	27,88	958,55	52,61	40,84	10,88	0,00	0,00	0,62	8,91	72,91	2082	16,75	0,00	608	323	2,52	51,62	9,80	78,63	909	3757	9	
1355030823006	9,81	0,00	21	33,95	920,22	53,32	40,96	11,44	0,00	1,00	0,00	6,32	69,43	1331	21,48	1,66	460	161	1,48	51,19	8,50	79,64	355	1463	22	
1355030823007	34,07	4,06	125	59,21	447,86	49,19	50,37	2,47	4,92	0,00	4,39	13,46	67,10	377	64,64	4,67	70	277	5,43	28,61	23,60	70,09	490	2612	478	
1355030823008	28,48	1,69	207	44,23	561,09	51,41	38,50	4,28	0,14	2,00	0,87	9,92	72,58	669	55,15	3,00	157	203	3,18	34,31	16,60	73,85	581	3098	4	
1355030823009	11,64	0,12	50	31,92	861,04	51,86	38,17	6,02	0,00	0,00	0,00	6,17	74,99	3333	12,12	1,47	874	590	2,06	53,66	10,70	77,90	2017	8108	6	
1355030823010	13,95	0,51	30	35,02	663,06	52,95	39,71	6,13	0,00	0,00	0,00	7,21	75,30	2981	26,81	0,69	805	444	3,59	38,97	14,10	75,40	2556	7780	15	
1355030823011	34,07	4,06	703	59,21	447,86	50,88	50,52	2,56	4,92	1,00	4,39	13,46	67,10	1907	64,64	4,67	312	487	8,12	28,61	23,60	70,09	1141	8427	6	
1355030823012	8,14	0,47	12	22,30	1289,55	52,86	37,97	12,67	0,00	0,00	0,60	6,32	69,43	1331	21,48	1,66	460	161	1,48	51,19	8,50	79,64	355	1463	22	
1355030823013	3,44	0,11	15	11,88	2278,89	52,86	38,70	11,82	0,00	0,00	0,20	5,04	78,37	2539	8,30	0,00	924	273	1,21	70,74	7,80	80,30	564	2398	10	
1355030823014	8,14	0,47	0	22,30	1289,55	57,75	39,21	10,87	0,00	0,00	0,60	6,32	69,43	1113	21,48	1,66	30	9	1,72	51,19	8,50	79,64	21	89	0	
1355030823015	8,14	0,47	2	22,30	1289,55	51,97	39,59	11,90	0,00	0,00	0,60	6,32	69,43	602	21,48	1,66	141	65	2,15	51,19	8,50	79,64	178	824	3	
1355030823016	34,07	4,06	0	59,21	447,86	51,07	39,40	1,82	4,92	0,00	4,39	13,46	67,10	66	64,64	4,67	18	15	4,94	28,61	23,60	70,09	62	287	0	
1355030823017	34,07	4,06	205	59,21	447,86	52,89	48,72	1,67	4,92	0,00	4,39	13,46	67,10	311	64,64	4,67	30	83	13,00	28,61	23,60	70,09	110	1211	0	
1355030823018	17,45	1,54	0	39,24	769,04	51,11	39,55	4,45	0,17	4,00	0,19	0,29	5,32	70,11	178	25,83	1,55	45	29	4,84	39,92	12,80	76,32	75	468	3
1355030823019	9,60	0,40	15	28,24	1243,59	53,31	40,77	10,78	0,00	0,00	0,38	5,75	67,23	828	14,20	4,06	246	127	2,55	52,33	8,60	79,61	336	1559	0	
1355030823020	36,98	3,51	0	52,92	465,86	51,42	46,54	4,72	1,62	0,00	0,14	3,42	10,97	71,75	343	52,40	3,85	79	70	9,10	29,28	22,00	70,85	149	975	1
1355030823021	28,48	1,69	3	44,23	561,09	50,71	44,11	3,91	0,14	0,00	0,87	9,92	72,58	178	55,15	3,00	51	29	6,20	34,31	16,60	73,85	34	762	0	
1355030823022	17,45	1,54	0	39,24	769,04	51,81	39,94	6,32	0,17	2,00	0,19	0,29	5,32	70,11	744	25,83	1,55	222	153	3,15	39,92	12,80	76,32	304	2431	6
1355030823023	17,45	1,54	0	39,24	769,04	51,40	38,21	4,31	0,17	1,00	0,19	0,29	5,32	70,11	808	25,83	1,55	180	186	4,16	39,92	12,80	76,32	502	3112	2
1355030823024	28,48	1,69	1	44,23	561,09	53,21	42,49	4,36	0,14	0,00	0,87	9,92	72,58	177	55,15	3,00	43	40	3,94	34,31	16,60	73,85	111	680	1	
1355030823025	5,85	0,13	0	19,90	1610,02	54,30	36,15	11,36	0,00	0,00	0,00	5,20	74,36	408	18,72	0,00	197	33	0,73	67,03	8,30	79,84	60	425	2	
1355030823026	5,85	0,13	10	19,90	1610,02	55,92	40,41	12,67	0,00	0,00	0,00	5,20	74,36	1121	18,72	0,00	472	102	1,29	67,03	8,30	79,84	303	1118	1	
1355030823027	36,98	3,51	1	52,92	465,86	50,59	45,24	4,49	1,62	0,00	0,14	3,42	10,97	71,75	176	52,40	3,85	43	49	2,61	29,28	22,00	70,85	96	395	11
1355030823028	12,24	0,81	81	27,88	958,55	52,80	39,23	8,20	0,00	0,00	0,00	8,55	72,91	1605	16,75	0,00	594	242	3,10	51,62	9,80	78,63	838	4024	5	
1355030823029	5,85	0,13	3	19,90	1610,02	51,11	33,63	5,28	0,00	0,00	0,00	5,20	74,36	335	18,72	0,00	104	47	1,32	67,03	8,30	79,84	135	836	0	
1355030823030	8,14	0,47	1	22,30	1289,55	52,56	38,64	11,23	0,00	0,00	0,60	6,32	69,43	429	21,48	1,66	127	63	2,06	51,19	8,50	79,64	148	661	4	
1355030823031	5,85	0,13	13	19,90	1610,02	52,93	32,41	5,85	0,00	0,00	0,00	5,20	74,36	1063	18,72	0,00	312	61	0,77	67,03	8,30	79,84	337	963	3	
1355030823032	28,48	1,69	0	44,23	561,09	53,25	46,56	7,40	0,14	0,00	0,87	9,92	72,58	79	55,15	3,00	19	23	4,06	34,31	16,60	73,85	50	188	0	
1355030823033	17,45	1,54	12	39,24	769,04	51,23	44,37	7,15	0,17	0,00	0,19	0,29	5,32	70,11	510	25,83	1,55	133	107	4,10	39,92	12,80	76,32	265	1495	4

1355030823034	36.98	3.51	14	52.92	465.86	51.11	43.70	3.74	1.62	2	0.14	3.42	10.97	71.75	1323	52.40	3.85	260	292	5.66	29.28	22.00	70.85	613	4917	0
1355030823035	11.64	0.12	8	31.92	861.04	52.22	40.34	8.30	0.00	1	0.00	0.00	6.17	74.99	989	12.12	1.47	275	198	3.85	53.66	10.70	77.90	541	2189	8
1355030823036	15.31	0.92	3	42.77	761.86	51.51	38.86	4.23	0.00	0	0.00	0.38	7.73	72.54	304	31.93	2.40	66	64	3.90	44.16	12.00	76.86	130	1056	1
1355030823037	17.45	1.54	21	39.24	769.04	52.60	40.16	8.15	0.17	2	0.19	0.29	5.32	70.11	1310	25.83	1.55	431	223	3.14	39.92	12.80	76.32	745	3196	2
1355030823038	28.48	1.69	0	44.23	561.09	53.01	50.30	2.20	0.14	0	0.00	0.87	9.92	72.58	139	55.15	3.00	30	24	4.81	34.31	16.60	73.85	55	476	1
1355030823039	28.48	1.69	0	44.23	561.09	51.48	48.86	3.92	0.14	0	0.00	0.87	9.92	72.58	182	55.15	3.00	32	33	5.79	34.31	16.60	73.85	123	484	0
1355030823040	13.95	0.51	0	35.02	663.06	51.67	40.61	5.95	0.00	0	0.00	0.00	7.21	75.30	99	26.81	0.69	33	12	0.56	38.97	14.10	75.40	5	181	0
1355030823041	36.98	3.51	16	52.92	465.86	51.89	50.10	2.10	1.62	0	0.14	3.42	10.97	71.75	1852	52.40	3.85	307	520	6.34	29.28	22.00	70.85	1329	6620	7
1355030823042	28.48	1.69	0	44.23	561.09	50.78	34.13	3.75	0.14	0	0.00	0.87	9.92	72.58	160	55.15	3.00	30	29	1.86	34.31	16.60	73.85	102	345	0
1355030823043	9.81	0.00	0	33.95	920.22	54.80	35.46	8.85	0.00	0	0.00	0.62	8.91	68.91	39	23.52	4.78	10	16	2.05	48.30	10.20	78.29	21	305	0
1355030823044	28.48	1.69	13	44.23	561.09	53.65	41.60	2.12	0.14	0	0.00	0.87	9.92	72.58	271	55.15	3.00	52	29	3.81	34.31	16.60	73.85	165	737	0
1355030823045	15.31	0.92	9	42.77	761.86	51.56	36.20	4.33	0.00	2	0.00	0.38	7.73	72.54	2449	31.93	2.40	594	576	2.22	44.16	12.00	76.86	1551	8703	18
1355030823046	28.48	1.69	0	44.23	561.09	51.51	43.07	2.70	0.14	0	0.00	0.87	9.92	72.58	384	55.15	3.00	69	73	3.17	34.31	16.60	73.85	166	1005	7
1355030823047	9.81	0.00	15	33.95	920.22	52.11	42.62	7.67	0.00	0	0.00	0.62	8.91	68.91	1236	23.52	4.78	326	222	2.64	48.30	10.20	78.29	507	3313	6
1355030823048	13.95	0.51	14	35.02	663.06	53.66	39.33	2.90	0.00	0	0.00	0.00	7.21	75.30	1249	26.81	0.69	304	153	2.91	38.97	14.10	75.40	1006	3097	13
1355030823049	17.45	1.54	2	39.24	769.04	51.39	42.00	6.88	0.17	0	0.19	0.29	5.32	70.11	127	25.83	1.55	47	25	2.27	39.92	12.80	76.32	98	523	3
1355030823050	36.98	3.51	19	52.92	465.86	53.49	51.12	3.81	1.62	0	0.14	3.42	10.97	71.75	85	52.40	3.85	21	17	4.23	29.28	22.00	70.85	32	268	1
1355030823051	5.85	0.13	4	19.90	1610.02	51.67	32.57	1.05	0.00	0	0.00	0.00	5.20	74.36	254	18.72	0.00	58	5	0.21	67.03	8.30	79.84	162	569	1
1355030823052	36.98	3.51	0	52.92	465.86	55.87	37.67	2.29	1.62	0	0.14	3.42	10.97	71.75	114	52.40	3.85	32	19	2.10	29.28	22.00	70.85	98	298	0
1355030823053	36.98	3.51	0	52.92	465.86	52.77	48.36	3.96	1.62	0	0.14	3.42	10.97	71.75	162	52.40	3.85	29	51	5.65	29.28	22.00	70.85	120	605	2
1355030823054	13.95	0.51	9	35.02	663.06	53.96	33.42	3.50	0.00	0	0.00	0.00	7.21	75.30	84	26.81	0.69	17	13	2.82	38.97	14.10	75.40	40	225	0
1355030823055	28.48	1.69	58	44.23	561.09	51.78	45.12	3.13	0.14	1	0.00	0.87	9.92	72.58	2918	55.15	3.00	666	632	4.24	34.31	16.60	73.85	2053	9301	15
1355030823056	28.48	1.69	2	33.95	920.22	50.95	40.48	6.72	0.00	0	0.00	0.62	8.91	68.91	545	23.52	4.78	165	136	2.34	48.30	10.20	78.29	346	1776	2
1355030823057	28.48	1.69	0	44.23	561.09	53.75	37.36	7.25	0.14	0	0.00	0.87	9.92	72.58	240	55.15	3.00	62	28	6.71	34.31	16.60	73.85	145	546	0
1355030823058	8.14	0.47	4	22.30	1289.55	53.23	38.27	3.86	0.00	0	0.00	0.60	6.32	69.43	342	21.48	1.66	95	12	0.63	51.19	8.50	79.64	154	328	1
1355030823059	36.98	3.51	4	52.92	465.86	51.54	48.86	4.89	1.62	0	0.14	3.42	10.97	71.75	523	52.40	3.85	105	188	6.14	29.28	22.00	70.85	509	2013	0
1355030823060	9.60	0.40	0	28.24	1243.59	50.37	37.55	8.82	0.00	0	0.00	0.38	5.75	67.23	110	14.20	4.06	22	39	1.92	52.33	8.60	79.61	74	316	2
1355030823061	15.31	0.92	29	42.77	761.86	51.44	40.10	6.46	0.00	0	0.00	0.38	7.73	72.54	809	31.93	2.40	167	194	2.74	44.16	12.00	76.86	554	2364	4
1355030823062	13.95	0.51	6	35.02	663.06	51.35	42.15	4.19	0.00	0	0.00	0.00	7.21	75.30	381	26.81	0.69	107	100	2.76	38.97	14.10	75.40	335	1737	2
1355030823063	3.44	0.11	23	11.88	2278.89	52.80	29.56	5.78	0.00	1	0.00	0.20	5.04	78.37	1732	8.30	0.00	698	55	0.47	70.74	7.80	80.30	399	1247	10
1355030823064	36.98	3.51	130	52.92	465.86	46.69	76.95	1.20	1.62	7	0.14	3.42	10.97	71.75	46	52.40	3.85	13	28	14.93	29.28	22.00	70.85	15	292	0
1355030823065	36.98	3.51	0	52.92	465.86	51.25	40.50	5.52	1.62	0	0.14	3.42	10.97	71.75	57	52.40	3.85	13	21	8.35	29.28	22.00	70.85	42	213	0
1355030823066	16.43	1.43	0	38.90	811.83	54.08	36.62	3.73	0.00	0	0.00	1.95	9.48	69.51	47	39.16	2.28	17	8	1.21	37.53	11.40	77.30	57	179	0
1355030824001	0.74	0.23	56	7.84	3411.94	55.01	38.86	15.21	0.00	0	0.00	0.15	4.53	76.96	6070	4.41	0.00	2940	327	0.72	74.57	7.10	80.97	878	2996	34
1355030824002	1.78	0.17	285	11.42	3302.48	58.57	35.13	14.42	0.00	8	0.39	0.00	4.10	76.38	5190	2.80	0.00	2216	318	0.99	69.35	7.20	80.89	1060	3203	40
1355030824003	2.23	0.00	33	10.75	3043.72	54.33	39.08	13.59	0.19	1	0.00	0.00	4.50	78.40	4947	6.50	3.67	2032	376	0.59	75.22	7.40	80.74	831	2843	30
1355030824004	5.30	0.00	12	14.49	2364.40	53.76	38.83	13.21	0.00	0	0.00	0.18	5.53	76.86	1232	7.84	0.06	549	104	1.20	69.11	7.80	80.35	362	963	13
1355030824005	13.08	1.02	20	33.59	925.70	52.70	39.21	8.68	0.00	1	0.00	0.19	6.40	71.06	3122	29.42	4.07	974	551	3.29	41.51	10.40	78.06	1952	6982	19
1355030824006	5.30	0.00	5	14.49	2364.40	54.19	38.84	11.75	0.00	0	0.00	0.18	5.53	76.86	668	7.84	0.06	258	64	0.76	69.11	7.80	80.35	155	559	6
1355030824007	5.03	0.00	37	13.71	1991.93	54.13	37.51	11.19	0.18	3	0.00	0.00	4.43	70.36	4466	9.58	0.00	1690	348	1.00	62.01	8.10	80.04	1259	4065	13
1355030824008	5.43	0.00	69	13.70	1969.70	54.49	39.31	13.90	0.00	1	0.25	0.00	6.89	75.06	5757	12.30	0.00	2168	511	1.22	67.34	8.10	80.03	1811	5128	25
1355030824009	6.66	0.06	23	23.96	1322.79	54.15	41.98	14.43	0.00	2	0.24	0.10	6.61	72.85	3215	18.70	0.00	1168	441	1.47	53.74	8.50	79.67	1178	3411	39
1355030824010	27.72	0.49	0	49.68	510.82	51.89	48.51	3.18	0.00	0	0.28	1.51	7.89	71.35	326	62.75	2.21	62	113	6.01	25.61	18.90	72.50	262	1306	3
1355030824011	7.39	0.00	1	25.09	1200.61	52.26	37.30	11.52	0.00	1	0.25	0.00	6.01	66.24	150	18.53	0.00	53	27	1.63	51.91	8.60	79.60	50	249	0
1355030824012	6.66	0.06	22	23.96	1322.79	54.30	43.73	14.23	0.00	1	0.24	0.10	6.61	72.85	1948	18.70	0.00	778	257	1.54	53.74	8.50	79.67	658	1900	5
1355030824013	19.55	0.92	0	48.51	605.02	52.94	35.46	15.88	0.60	0	0.00	1.37	9.24	67.61	74	43.86	1.25	33	4	0.98	32.00	15.50	74.49	9	26	0
1355030824014	7.39	0.00	19	25.09	1200.61	54.19	41.89	13.02	0.00	0	0.25	0.00	6.01	66.24	2092	18.53	0.00	700	297	1.78	51.91	8.60	79.60	703	2410	3
1355030824015	7.39	0.00	5	25.09	1200.61	54.67	37.39	11.41	0.00	0	0.25	0.00	6.01	66.24	451	18.53	0.00	149	68	2.19	51.91	8.60	79.60	131	428	4
1355030824016	6.66	0.06	4	23.96	1322.79	52.59	39.97	12.36	0.00	0	0.24	0.10	6.61	72												

1355030824017	3.78	0.00	2	19.40	1863.24	54.69	42.80	15.42	0.00	1	0.00	0.00	5.16	76.22	700	25.83	0.00	305	64	1.09	65.11	8.20	79.95	173	651	1
1355030824018	3.78	0.00	1	19.40	1863.24	53.85	34.30	8.64	0.00	1	0.00	0.00	5.16	76.22	232	25.83	0.00	113	17	1.13	65.11	8.20	79.95	104	271	0
1355030824019	3.78	0.00	6	19.40	1863.24	54.69	39.96	12.34	0.00	0	0.00	0.00	5.16	76.22	1293	25.83	0.00	455	123	1.62	65.11	8.20	79.95	378	1073	20
1355030824020	6.66	0.06	0	23.96	1322.79	54.59	42.64	12.59	0.00	0	0.24	0.10	6.61	72.85	287	18.70	0.00	101	37	1.37	53.74	8.50	79.67	113	314	0
1355030824021	3.78	0.00	1	19.40	1863.24	54.84	34.81	6.98	0.00	0	0.00	0.00	5.16	76.22	174	25.83	0.00	76	9	0.86	65.11	8.20	79.95	76	223	1
1355030824022	27.72	0.49	1	49.68	510.82	53.31	46.11	5.33	0.00	1	0.28	1.51	7.89	71.35	94	62.75	2.21	18	24	10.94	25.61	18.90	72.50	78	273	0
1355030824023	24.91	1.99	0	46.30	563.58	51.71	42.58	3.86	0.27	0	0.16	0.00	6.61	71.47	92	40.86	2.35	20	12	2.81	33.30	16.50	73.90	123	189	0
1355030824024	5.30	0.00	5	14.49	2364.40	53.10	37.34	8.76	0.00	0	0.00	0.18	5.53	76.86	661	7.84	0.06	284	30	1.13	69.11	7.80	80.35	235	553	1
1355030824025	7.39	0.00	4	25.09	1200.61	52.41	35.23	10.40	0.00	0	0.25	0.00	6.01	66.24	750	18.53	0.00	287	91	1.25	51.91	8.60	79.60	457	1007	1
1355030824026	36.81	3.24	6	57.62	462.01	52.56	50.35	5.12	0.41	0	0.99	5.53	14.24	62.45	59	54.24	0.43	11	20	10.06	21.10	22.30	70.69	42	188	0
1355030824027	7.39	0.00	3	25.09	1200.61	53.68	43.60	11.07	0.00	0	0.25	0.00	6.01	66.24	560	18.53	0.00	153	95	2.41	51.91	8.60	79.60	246	872	0
1355030824028	7.39	0.00	0	25.09	1200.61	52.38	38.62	10.43	0.00	0	0.25	0.00	6.01	66.24	473	18.53	0.00	144	69	1.96	51.91	8.60	79.60	151	575	0
1355030824029	5.30	0.00	14	14.49	2364.40	54.10	37.88	9.06	0.00	1	0.00	0.18	5.53	76.86	1287	7.84	0.06	505	102	0.79	69.11	7.80	80.35	319	998	2
1355030824030	3.78	0.00	4	19.40	1863.24	53.35	40.26	12.63	0.00	0	0.00	0.00	5.16	76.22	882	25.83	0.00	322	110	1.05	65.11	8.20	79.95	256	974	5
1355030824031	3.78	0.00	3	19.40	1863.24	53.58	38.93	9.17	0.00	0	0.00	0.00	5.16	76.22	411	25.83	0.00	126	41	2.05	65.11	8.20	79.95	143	531	0
1355030824032	13.08	1.02	0	33.59	925.70	50.07	34.29	4.99	0.00	0	0.00	0.19	6.40	71.06	58	29.42	4.07	16	10	2.15	41.51	10.40	78.06	24	114	0
1355030824033	13.08	1.02	10	33.59	925.70	52.57	36.31	9.58	0.00	0	0.00	0.19	6.40	71.06	321	29.42	4.07	98	51	2.30	41.51	10.40	78.06	199	486	0
1355030824034	8.74	0.41	0	21.49	1049.71	51.48	36.28	10.59	0.07	0	0.00	0.00	6.20	79.05	248	17.37	0.00	70	28	3.53	55.46	9.10	79.20	111	300	6
1355030825001	0.98	0.33	14	5.34	4258.54	54.37	38.18	17.72	0.00	0	0.00	0.96	3.72	79.05	1560	9.59	0.00	780	84	0.60	78.98	6.90	81.19	158	558	11
1355030825002	0.46	0.22	14	2.63	8440.69	55.59	43.15	18.24	0.00	0	0.00	0.77	3.23	78.80	1881	8.46	0.00	1081	44	0.59	82.41	5.90	82.20	115	405	4
1355030825003	8.77	0.30	16	22.81	1312.81	53.49	36.95	10.51	0.00	2	0.00	0.92	6.99	69.92	1920	22.51	1.60	674	214	1.80	55.31	8.50	79.66	792	3127	23
1355030825004	8.77	0.30	9	22.81	1312.81	53.21	37.17	10.02	0.00	2	0.00	0.92	6.99	69.92	798	22.51	1.60	326	102	1.59	55.31	8.50	79.66	439	1251	9
1355030825005	0.48	0.00	35	1.80	3778.27	53.43	34.80	8.57	0.00	1	0.00	0.00	4.25	77.55	3699	5.36	0.00	1430	204	0.65	79.90	7.00	81.10	498	2881	9
1355030825006	2.29	0.09	41	3.29	4993.68	53.62	44.68	14.93	0.00	0	0.00	0.09	2.56	71.41	3177	7.97	0.00	1378	240	0.78	83.88	6.60	81.50	370	1546	12
1355030825007	0.83	0.15	60	9.26	4302.23	54.13	41.65	16.33	0.00	0	0.00	0.00	5.40	72.10	5064	4.79	0.00	2275	261	0.50	76.14	6.80	81.22	450	2023	13
1355030825008	43.76	4.27	111	67.65	583.21	54.83	83.03	1.78	5.06	0	6.78	14.50	17.39	60.66	36	66.82	5.97	14	27	3.50	14.08	17.60	73.22	135	316	0
1355030825009	39.82	2.85	12	58.16	451.82	52.76	55.33	2.95	1.98	2	1.50	8.08	10.62	62.63	286	59.71	3.28	55	82	8.28	20.26	23.20	70.24	203	1175	2
1355030825010	43.76	4.27	0	67.65	583.21	49.73	64.15	2.53	5.06	0	6.78	14.50	17.39	60.66	137	66.82	5.97	29	50	3.41	14.08	17.60	73.22	122	517	0
1355030825011	8.77	0.30	0	22.81	1312.81	54.24	46.41	9.38	0.00	0	0.00	0.92	6.99	69.92	57	22.51	1.60	18	15	2.59	55.31	8.50	79.66	48	173	0
1355030825012	0.98	0.33	12	5.34	4258.54	54.77	41.30	16.64	0.00	0	0.00	0.96	3.72	79.05	1443	9.59	0.00	636	83	0.71	78.98	6.90	81.19	129	713	5
1355030825013	3.74	0.00	77	12.09	2801.54	54.16	40.23	15.72	0.24	2	0.00	0.00	4.65	76.05	2051	24.31	0.00	782	164	0.91	70.49	7.50	80.60	288	1184	8
1355030825014	3.74	0.00	82	12.09	2801.54	53.17	44.85	14.27	0.24	0	0.00	0.00	4.65	76.05	771	24.31	0.00	261	113	1.99	70.49	7.50	80.60	120	869	4
1355030825017	0.46	0.22	2	2.63	8440.69	53.43	40.36	17.84	0.00	0	0.00	0.77	3.23	78.80	615	8.46	0.00	338	36	0.64	82.41	5.90	82.20	49	211	2
1355030825018	3.56	0.33	23	11.11	2078.19	53.08	40.58	12.21	0.00	0	0.00	0.00	4.99	74.34	959	20.59	0.00	386	106	1.28	67.55	8.00	80.15	230	960	5
1355030825019	0.46	0.22	20	2.63	8440.69	54.93	37.91	12.29	0.00	0	0.00	0.77	3.23	78.80	1326	8.46	0.00	727	41	0.27	82.41	5.90	82.20	75	467	2
1355030825021	17.84	0.28	79	38.25	589.38	47.74	49.04	2.26	0.00	0	0.00	0.26	8.38	67.36	51	38.51	0.42	9	10	6.51	38.50	15.70	74.37	32	136	1
1355030825022	24.91	1.99	115	46.30	563.58	55.88	40.88	6.47	0.27	0	0.16	0.00	6.61	71.47	58	40.86	2.35	20	12	5.57	33.30	16.50	73.90	27	217	1
1355030825023	36.81	3.24	0	57.62	462.01	51.37	51.23	3.31	0.41	0	0.99	5.53	14.24	62.45	187	54.24	0.43	55	92	4.01	21.10	22.30	70.69	132	1063	0
1355030825024	36.81	3.24	5	57.62	462.01	53.79	49.40	5.86	0.41	0	0.99	5.53	14.24	62.45	202	54.24	0.43	30	27	4.03	21.10	22.30	70.69	49	495	0
1355030825025	13.20	0.28	28	39.18	783.13	52.75	40.22	4.78	0.00	2	0.88	0.46	6.77	72.45	414	34.92	0.00	124	60	4.20	42.41	11.90	76.96	284	1230	7
1355030825026	3.74	0.00	8	12.09	2801.54	53.08	35.72	6.06	0.24	0	0.00	0.00	4.65	76.05	646	24.31	0.00	258	56	0.85	70.49	7.50	80.60	142	1070	2
1355030825027	8.77	0.30	4	22.81	1312.81	53.19	39.03	12.94	0.00	0	0.00	0.92	6.99	69.92	341	22.51	1.60	100	57	1.03	55.31	8.50	79.66	127	381	9
1355030825028	3.56	0.33	8	11.11	2078.19	54.35	37.00	10.82	0.00	0	0.00	0.00	4.99	74.34	643	20.59	0.00	239	68	1.13	67.55	8.00	80.15	234	809	2
1355030825029	13.12	0.96	33	38.76	805.14	51.62	44.21	10.58	1.78	0	0.00	1.62	9.90	69.96	116	22.65	1.08	34	36	1.84	46.45	11.80	77.06	65	338	1
1355030825030	0.98	0.33	4	5.34	4258.54	53.73	37.14	10.47	0.00	0	0.00	0.96	3.72	79.05	1449	9.59	0.00	615	74	0.60	78.98	6.90	81.19	208	903	5
1355030825031	8.77	0.30	4	22.81	1312.81	53.42	38.84	10.73	0.00	1	0.00	0.92	6.99	69.92	1333	22.51	1.60	462	206	1.64	55.31	8.50	79.66	643	2620	3
1355030825032	8.77	0.30	1	22.81	1312.81	55.47	37.60	6.48	0.00	0	0.00	0.92	6.99	69.92	78	22.51	1.60	37	10	3.07	55.31	8.50	79.66	24	150	1
1355030825033	8.77	0.30	17	22.81	1312.81	53.26	39.72	14.86	0.00	0	0.00	0.92	6.99	69.92	333	22.51	1.60	147	44	1.61	55.31	8.50	79.66	52	389	3
1355030825034	3.56	0.33	13	11.11	2078.19	53.87	32.72	4.21	0.00	0	0.00	0.00	4.99	74.34	539	20.59	0.00	189	38	1.						

1355030825035	3.56	0.33	22	11,11	2078,19	53,41	37,73	13,42	0,00	2	0,00	0,00	4,99	74,34	1783	20,59	0,00	734	177	1,46	67,55	8,00	80,15	332	2042	23
1355030826001	12,63	0,13	19	33,07	805,96	51,86	40,19	8,87	0,00	0	0,00	1,17	8,15	67,87	2493	29,47	2,81	713	465	2,82	41,45	11,80	77,07	1312	5437	6
1355030826002	16,74	1,08	48	35,81	749,25	52,33	41,00	9,34	0,00	3	0,00	0,51	8,11	70,39	3276	46,60	1,19	932	588	3,26	37,35	12,80	76,31	1652	6831	19
1355030826003	12,79	0,48	11	36,57	909,69	51,31	36,76	4,73	0,00	0	0,00	0,29	8,37	65,61	2149	45,27	9,08	464	337	2,91	36,85	10,40	78,12	714	5278	4
1355030826004	5,73	0,15	14	23,36	1256,44	51,90	36,36	6,14	0,00	0	0,00	0,00	4,29	73,95	1657	21,71	0,00	390	176	1,39	52,72	8,60	79,62	658	2777	6
1355030826005	33,75	2,39	27	50,88	518,72	50,36	48,80	5,06	1,12	1	1,30	0,75	11,48	66,25	566	43,82	3,00	138	182	5,77	24,66	18,40	72,78	491	2316	7
1355030826006	11,57	0,53	61	37,34	828,45	51,50	38,76	8,09	0,00	1	0,00	0,08	8,67	70,63	4522	36,05	0,00	1142	982	2,98	38,05	11,20	77,50	2195	11239	47
1355030826007	15,29	0,55	17	40,82	674,38	51,30	41,68	6,55	0,63	1	0,00	0,00	9,80	67,68	2187	27,04	2,41	532	390	4,09	35,25	13,60	75,77	966	6584	4
1355030826008	33,75	2,39	122	50,88	518,72	49,60	50,57	2,19	1,12	4	1,30	0,75	11,48	66,25	1435	43,82	3,00	193	396	7,12	24,66	18,40	72,78	925	6385	12
1355030826009	33,75	2,39	36	50,88	518,72	50,70	47,56	2,62	1,12	3	1,30	0,75	11,48	66,25	2836	43,82	3,00	489	832	6,13	24,66	18,40	72,78	2106	12441	15
1355030826010	33,48	1,94	134	52,91	432,43	51,04	49,12	2,65	0,74	25	1,57	3,48	11,08	62,73	4874	59,57	2,41	732	1171	6,99	21,47	24,00	69,87	2698	16954	52
1355030826011	29,59	2,26	296	53,46	489,38	50,87	48,91	3,50	0,00	3	2,23	1,14	11,59	68,94	3455	48,17	0,74	657	925	5,50	31,53	19,60	72,11	2121	14008	26
1355030826012	31,29	3,35	1411	51,15	456,95	50,73	44,45	2,56	3,71	18	2,30	0,80	12,45	65,58	6186	51,78	1,94	1127	1675	6,52	27,95	22,80	70,47	3681	27636	111
1355030826013	33,75	2,39	1	50,88	518,72	51,72	46,31	5,31	1,12	1	1,30	0,75	11,48	66,25	145	43,82	3,00	33	52	7,32	24,66	18,40	72,78	122	475	0
1355030826014	5,73	0,15	2	23,36	1256,44	52,61	39,88	9,07	0,00	0	0,00	0,00	4,29	73,95	533	21,71	0,00	158	74	2,15	52,72	8,60	79,62	204	972	2
1355030826015	33,75	2,39	0	50,88	518,72	52,42	43,30	5,40	1,12	0	1,30	0,75	11,48	66,25	77	43,82	3,00	16	16	4,55	24,66	18,40	72,78	29	221	7
1355030826016	33,75	2,39	6	50,88	518,72	50,30	44,01	5,07	1,12	0	1,30	0,75	11,48	66,25	308	43,82	3,00	91	66	4,79	24,66	18,40	72,78	260	1062	1
1355030826017	12,63	0,13	0	33,07	805,96	51,82	41,40	8,01	0,00	0	0,00	1,17	8,15	67,87	494	29,47	2,81	177	114	2,87	41,45	11,80	77,07	294	1572	0
1355030826018	12,79	0,48	10	36,57	909,69	52,26	43,28	8,64	0,00	0	0,00	0,29	8,37	65,61	1247	45,27	9,08	375	268	3,78	36,85	10,40	78,12	621	3095	1
1355030826019	33,75	2,39	0	50,88	518,72	51,63	42,76	8,39	1,12	0	1,30	0,75	11,48	66,25	90	43,82	3,00	29	18	6,69	24,66	18,40	72,78	70	317	0
1355030826020	33,48	1,94	1	52,91	432,43	52,12	54,81	4,84	0,74	1	1,57	3,48	11,08	62,73	338	59,57	2,41	68	89	3,83	21,47	24,00	69,87	164	1435	0
1355030826021	33,48	1,94	0	52,91	432,43	49,37	48,99	4,46	0,74	0	1,57	3,48	11,08	62,73	348	59,57	2,41	72	101	3,99	21,47	24,00	69,87	370	1212	0
1355030826022	12,63	0,13	9	33,07	805,96	52,39	44,33	11,63	0,00	2	0,00	1,17	8,15	67,87	698	29,47	2,81	239	144	3,26	41,45	11,80	77,07	363	1605	1
1355030826023	6,66	0,22	2	18,91	1368,23	51,10	37,45	3,85	1,54	0	0,00	0,77	6,36	73,06	214	23,46	2,97	85	14	0,78	57,50	8,50	79,71	134	485	0
1355030826024	6,66	0,22	2	18,91	1368,23	54,02	28,18	4,27	1,54	0	0,00	0,77	6,36	73,06	155	23,46	2,97	49	4	0,92	57,50	8,50	79,71	26	180	0
1355030826025	33,48	1,94	422	52,91	432,43	51,22	48,09	4,28	0,74	0	1,57	3,48	11,08	62,73	826	59,57	2,41	131	194	7,06	21,47	24,00	69,87	439	2545	1
1355030826026	33,48	1,94	21	52,91	432,43	52,68	44,92	4,88	0,74	2	1,57	3,48	11,08	62,73	769	59,57	2,41	180	177	6,19	21,47	24,00	69,87	482	2368	11
1355030826027	19,96	1,05	26	35,44	742,16	51,43	41,85	6,94	1,39	7	0,30	0,06	8,19	68,24	1963	39,51	0,00	567	383	3,45	36,97	13,00	76,17	1204	5651	9
1355030826028	19,96	1,05	5	35,44	742,16	50,43	41,63	4,26	1,39	2	0,30	0,06	8,19	68,24	704	39,51	0,00	123	142	3,60	36,97	13,00	76,17	365	2418	28
1355030826029	33,48	1,94	2	52,91	432,43	53,05	45,93	3,55	0,74	0	1,57	3,48	11,08	62,73	71	59,57	2,41	17	23	5,11	21,47	24,00	69,87	73	305	0
1355030826030	15,29	0,55	18	40,82	674,38	51,29	39,49	6,29	0,63	0	0,00	0,00	9,80	67,68	1174	27,04	2,41	329	251	3,64	35,25	13,60	75,77	657	3779	8
1355030826031	33,75	2,39	52	50,88	518,72	49,76	57,83	0,96	1,12	0	1,30	0,75	11,48	66,25	135	43,82	3,00	14	16	5,97	24,66	18,40	72,78	57	315	0
1355030826032	33,48	1,94	0	52,91	432,43	49,20	57,87	3,89	0,74	2	1,57	3,48	11,08	62,73	135	59,57	2,41	29	61	13,37	21,47	24,00	69,87	110	892	0
1355030826033	33,75	2,39	0	50,88	518,72	50,97	53,42	3,62	1,12	0	1,30	0,75	11,48	66,25	117	43,82	3,00	19	30	10,53	24,66	18,40	72,78	46	366	0
1355030826034	19,96	1,05	5	35,44	742,16	49,82	40,75	3,50	1,39	0	0,30	0,06	8,19	68,24	210	39,51	0,00	43	42	5,53	36,97	13,00	76,17	126	852	1
1355030826035	33,75	2,39	4	50,88	518,72	52,41	43,72	5,87	1,12	0	1,30	0,75	11,48	66,25	182	43,82	3,00	36	47	7,78	24,66	18,40	72,78	105	603	4
1355030826036	33,75	2,39	3	50,88	518,72	50,70	40,03	6,37	1,12	0	1,30	0,75	11,48	66,25	145	43,82	3,00	42	23	12,16	24,66	18,40	72,78	100	490	0
1355030826037	19,96	1,05	9	35,44	742,16	51,22	38,00	5,31	1,39	1	0,30	0,06	8,19	68,24	1909	39,51	0,00	503	419	3,82	36,97	13,00	76,17	1087	6671	18
1355030826038	12,79	0,48	12	36,57	909,69	52,36	41,78	2,37	0,00	0	0,00	0,29	8,37	65,61	642	45,27	9,08	205	87	2,75	36,85	10,40	78,12	447	1896	14
1355030826039	33,75	2,39	7	50,88	518,72	50,87	43,12	4,90	1,12	1	1,30	0,75	11,48	66,25	531	43,82	3,00	86	90	5,29	24,66	18,40	72,78	196	1820	2
1355030826040	33,48	1,94	1	52,91	432,43	48,71	46,12	2,45	0,74	0	1,57	3,48	11,08	62,73	65	59,57	2,41	14	31	5,37	21,47	24,00	69,87	46	331	2
1355030826041	16,74	1,08	2	35,81	749,25	51,95	38,75	6,84	1,05	0	0,00	0,51	8,11	70,39	453	46,60	1,19	93	69	3,32	37,35	12,80	76,31	168	1117	0
1355030826042	31,29	3,35	31	51,15	456,95	52,21	53,07	1,80	3,71	0	2,30	0,80	12,45	65,58	93	51,78	1,94	25	20	8,23	27,95	22,80	70,47	76	331	0
1355030827001	15,35	0,33	15	39,12	768,50	52,37	37,62	7,27	0,00	2	0,27	0,54	8,62	69,48	2824	17,08	0,00	715	454	2,59	41,08	12,00	76,88	1218	7922	25
1355030827002	34,49	2,97	28	52,78	438,18	50,55	47,11	1,94	0,24	1	0,00	0,21	9,79	67,33	2822	53,57	5,21	612	797	7,59	23,35	23,80	69,97	2437	13198	11
1355030827003	15,35	0,33	16	39,12	768,50	52,34	42,83	9,33	0,00	9	0,27	0,54	8,62	69,48	897	17,08	0,00	292	149	3,27	41,08	12,00	76,88	333	2582	5
1355030827004	19,44	1,45	87	45,52	620,62	52,16	42,63	7,33	0,00	2	0,00	0,35	11,18	68,59	2554	43,47	0,97	677	504	4,12	40,70	14,90	74,89	1619	7886	12
1355030827005	28,35	1,48	118	47,16	539,12	51,75	42,87	5,30	0,31	6	0,00	0,00	10,69	65,75	2421	47,41	2,96	518	603	5,02	35,88	17,00	73,58	1398	8771	33
1355030827006	23,75	0,93	39	39,86																						

1355030827007	29.50	2.83	20	48.91	556.76	51.28	44.78	4.65	0.30	2	0.00	0.21	13.06	70.88	4307	41.74	2.75	855	884	5.18	30.90	16.70	73.75	2967	14878	15
1355030827008	27.59	3.73	22	46.03	502.99	53.30	46.48	6.18	0.17	0	0.00	2.34	11.67	67.64	74	40.41	3.82	17	19	7.93	34.69	19.30	72.30	73	366	0
1355030827009	27.59	0.15	0	23.36	1256.44	51.96	38.44	7.03	0.00	0	0.00	0.00	4.29	73.95	165	21.71	0.00	33	7	1.31	52.72	8.60	79.62	53	242	0
1355030827010	57.49	3.73	0	46.03	502.99	53.80	40.01	3.28	0.17	0	0.00	2.34	11.67	67.64	897	40.41	3.82	224	110	4.49	34.69	19.30	72.30	426	2121	4
1355030827011	17.81	0.39	2	33.24	769.67	52.33	37.34	9.42	0.29	0	0.00	0.10	8.14	71.41	256	16.36	0.79	93	39	2.70	47.14	12.00	76.90	134	642	1
1355030827012	6.66	0.22	3	18.91	1368.23	53.51	42.40	11.59	1.54	1	0.00	0.77	6.36	73.06	686	23.46	2.97	254	101	2.18	57.50	8.50	79.71	317	1524	4
1355030827013	34.49	2.97	0	52.78	438.18	52.00	39.37	2.87	0.24	0	0.00	0.21	9.79	67.33	130	53.57	5.21	33	23	4.25	23.35	23.80	69.97	110	414	0
1355030827014	9.57	0.29	16	30.31	914.51	52.96	44.05	10.35	0.00	2	0.00	0.29	8.37	70.44	1887	25.53	1.38	550	266	3.26	51.21	10.30	78.16	679	3930	14
1355030827015	6.66	0.22	5	18.91	1368.23	53.15	37.79	4.45	1.54	0	0.00	0.77	6.36	73.06	447	23.46	2.97	130	20	1.42	57.50	8.50	79.71	165	762	0
1355030827016	34.49	2.97	164	52.78	438.18	50.67	50.00	4.61	0.24	3	0.00	0.21	9.79	67.33	282	53.57	5.21	49	95	10.07	23.35	23.80	69.97	211	1086	4
1355030827017	28.35	1.48	35	47.16	539.12	51.40	44.19	5.81	0.31	0	0.00	0.00	10.69	65.75	638	47.41	2.96	183	152	4.55	35.88	17.00	73.58	452	2585	1
1355030827018	13.81	0.39	2	33.24	769.67	52.65	40.08	10.00	0.29	2	0.00	0.10	8.14	71.41	1033	16.36	0.79	296	189	3.60	47.14	12.00	76.90	535	2635	16
1355030827019	15.57	0.69	11	37.65	691.20	52.70	41.57	6.98	0.00	0	0.00	0.18	5.11	67.52	1395	22.41	3.09	358	261	3.75	43.00	13.30	75.97	962	4103	28
1355030827020	9.57	0.29	18	30.31	914.51	52.12	38.11	7.22	0.00	1	0.00	0.29	8.37	70.44	979	25.53	1.38	305	186	2.55	51.21	10.30	78.16	470	2701	5
1355030827021	6.66	0.22	2	18.91	1368.23	53.01	34.98	2.59	1.54	0	0.00	0.77	6.36	73.06	84	23.46	2.97	25	5	0.40	57.50	8.50	79.71	42	162	0
1355030827022	28.35	1.48	7	47.16	539.12	53.87	38.30	4.53	0.31	0	0.00	0.00	10.69	65.75	467	47.41	2.96	124	117	4.51	35.88	17.00	73.58	329	1355	1
1355030827023	15.57	0.69	0	37.65	691.20	51.63	32.85	2.80	0.00	0	0.00	0.18	5.11	67.52	127	22.41	3.09	35	44	4.03	43.00	13.30	75.97	99	821	0
1355030827024	34.49	2.97	2	52.78	438.18	51.27	45.54	3.68	0.24	3	0.00	0.21	9.79	67.33	1286	53.57	5.21	282	372	6.77	23.35	23.80	69.97	1104	5360	4
1355030827025	27.59	3.73	106	46.03	502.99	52.47	41.84	4.41	0.17	4	0.00	2.34	11.67	67.64	936	40.41	3.82	186	281	5.31	34.69	19.30	72.30	624	3208	4
1355030827026	9.57	0.29	22	30.31	914.51	52.05	41.36	6.75	0.00	1	0.00	0.29	8.37	70.44	1175	25.53	1.38	300	251	3.82	51.21	10.30	78.16	642	2949	18
1355030827027	13.81	0.39	17	33.24	769.67	52.45	38.05	5.99	0.29	2	0.00	0.10	8.14	71.41	1137	16.36	0.79	370	205	3.08	47.14	12.00	76.90	756	3476	6
1355030827028	19.44	1.45	53	45.52	620.62	52.25	40.12	4.33	0.00	0	0.00	0.35	11.18	68.59	1137	43.47	0.97	371	322	5.16	40.70	14.90	74.89	1084	5552	27
1355030827029	27.59	3.73	293	46.03	502.99	51.43	47.36	4.63	0.17	0	0.00	2.34	11.67	67.64	1371	40.41	3.82	292	304	6.45	34.69	19.30	72.30	923	4976	10
1355030827030	28.35	1.48	0	47.16	539.12	51.40	52.46	11.80	0.31	1	0.00	0.00	10.69	65.75	83	47.41	2.96	25	16	4.72	35.88	17.00	73.58	55	295	0
1355030827031	34.49	2.97	0	52.78	438.18	53.59	48.42	11.73	0.24	0	0.00	0.21	9.79	67.33	276	53.57	5.21	58	43	3.24	23.35	23.80	69.97	177	520	0
1355030827032	15.57	0.69	26	37.65	691.20	52.50	41.93	8.19	0.00	0	0.00	0.18	5.11	67.52	1909	22.41	3.09	546	356	3.00	43.00	13.30	75.97	1099	5875	10
1355030827033	27.59	3.73	0	46.03	502.99	51.93	42.93	6.54	0.17	0	0.00	2.34	11.67	67.64	100	40.41	3.82	29	44	3.73	34.69	19.30	72.30	126	498	0
1355030827035	27.59	3.73	1	46.03	502.99	51.86	41.40	7.52	0.17	1	0.00	2.34	11.67	67.64	658	40.41	3.82	160	111	4.64	34.69	19.30	72.30	370	2114	0
1355030827036	6.66	0.22	4	18.91	1368.23	53.37	44.34	14.08	1.54	0	0.00	0.77	6.36	73.06	758	23.46	2.97	231	94	1.63	57.50	8.50	79.71	169	1290	15
1355030827037	36.90	3.94	408	57.66	418.22	51.40	44.51	3.39	5.77	0	1.12	0.75	11.81	68.91	531	65.82	2.70	133	174	6.03	24.40	24.50	69.64	469	2616	0
1355030827038	36.90	3.94	30	57.66	418.22	50.27	46.51	2.24	5.77	0	1.12	0.75	11.81	68.91	521	65.82	2.70	86	161	8.80	24.40	24.50	69.64	342	2373	0
1355030827039	36.90	3.94	0	57.66	418.22	53.24	43.00	3.88	5.77	0	1.12	0.75	11.81	68.91	44	65.82	2.70	17	30	4.87	24.40	24.50	69.64	47	411	0
1355030827040	36.90	3.94	0	57.66	418.22	50.60	42.61	1.79	5.77	0	1.12	0.75	11.81	68.91	98	65.82	2.70	11	22	6.37	24.40	24.50	69.64	36	263	0
1355030827041	34.49	2.97	2	52.78	438.18	51.04	43.17	7.38	0.24	0	0.00	0.21	9.79	67.33	161	53.57	5.21	31	29	5.83	23.35	23.80	69.97	61	514	0
1355030827042	13.81	0.39	12	33.24	769.67	51.72	40.79	7.25	0.29	1	0.00	0.10	8.14	71.41	2351	16.36	0.79	619	592	3.03	47.14	12.00	76.90	1142	8486	15
1355030827043	23.75	0.93	0	39.86	599.06	51.02	32.83	8.84	0.00	0	0.30	0.00	9.09	69.21	51	41.47	4.64	16	16	2.43	38.31	15.60	74.43	41	185	0
1355030827044	36.90	3.94	58	57.66	418.22	50.78	48.13	2.67	5.77	2	1.12	0.75	11.81	68.91	2754	65.82	2.70	411	681	7.85	24.40	24.50	69.64	1232	10334	19
1355030827045	27.59	3.73	0	46.03	502.99	48.89	54.59	2.72	0.17	1	0.00	2.34	11.67	67.64	192	40.41	3.82	37	75	10.03	34.69	19.30	72.30	118	834	1
1355030828001	9.41	0.71	47	46.74	1044.54	51.30	32.71	5.78	0.00	1	0.19	0.50	5.83	62.75	1997	33.86	2.82	811	108	2.65	41.96	9.10	79.18	750	3713	14
1355030828002	3.77	0.00	49	28.74	2019.00	51.69	26.36	10.60	0.00	0	0.00	0.58	4.20	74.47	5267	19.28	0.00	3381	160	0.90	69.45	8.10	80.08	1399	4755	42
1355030828003	4.90	0.33	182	31.91	2011.09	48.34	27.61	10.17	0.00	2	0.00	0.00	3.92	65.91	5435	40.97	0.00	3026	236	2.64	62.42	8.10	80.07	1629	6129	106
1355030828004	9.41	0.71	49	46.74	1044.54	52.73	40.01	9.07	0.00	0	0.19	0.50	5.83	62.75	928	33.86	2.82	293	153	1.48	41.96	9.10	79.18	218	1780	40
1355030828005	2.40	0.00	93	13.95	2757.42	54.37	41.45	13.47	0.00	12	0.00	0.36	5.12	71.78	5219	10.36	0.00	2195	386	1.87	64.93	7.60	80.54	1090	4322	55
1355030828006	4.96	0.00	28	24.13	2194.08	53.78	36.05	9.77	0.00	14	0.49	0.00	6.32	75.59	3061	23.87	0.00	1333	242	1.40	57.23	7.90	80.21	612	2609	7
1355030828007	1.88	0.25	62	20.50	2307.89	54.35	27.05	10.14	0.00	8	0.00	0.25	5.10	74.43	5348	24.70	0.00	3218	223	2.02	69.49	7.60	80.33	881	3902	37
1355030828008	1.99	0.26	50	8.26	4731.41	53.74	28.46	13.77	0.00	5	0.00	0.12	3.47	71.59	8794	6.51	0.00	5256	189	0.57	85.96	6.80	81.41	1118	3514	37
1355030828009	2.26	0.15	21	13.68	2518.24	54.14	24.14	11.20	0.00	1	0.00	0.34	4.99	72.27	2527	11.48	0.00	1691	43	0.75	75.96	7.60	80.49	383	1299	15
1355030828010	0.35	0.00	16	7.77	5051.07	51.76	22.55	11.55	0.00	0	0.00	0.00	4.86	73.13	4757	2.43	0.00	3227	87	0.46	83.41	6.50	81.55	559	1927	9

1355030828011	6.51	0.00	46	25.00	2271.14	52.93	28.92	10.96	0.00	14	0.00	0.05	4.25	70.88	8430	23.31	0.00	5134	318	1.42	63.47	7.90	80.26	1914	7785	71
1355030828012	2.26	0.15	13	13.68	2518.24	52.92	29.17	10.13	0.00	1	0.00	0.34	4.99	72.27	3314	11.48	0.00	1871	120	1.22	75.96	7.60	80.49	869	2902	26
1355030828013	3.18	1.07	20	4.24	4171.31	56.36	45.04	7.92	0.00	1	0.00	0.00	3.90	74.67	4884	3.00	0.00	2873	267	0.49	60.30	6.90	81.18	477	1437	11
1355030828014	4.77	0.28	43	25.42	1694.38	50.82	27.76	7.74	0.00	0	0.00	0.00	4.55	68.14	2690	33.29	0.00	1367	114	2.05	64.18	8.30	79.86	939	3406	34
1355030828015	5.21	0.55	5	33.29	1437.52	53.45	33.01	8.17	0.00	0	0.00	0.81	5.49	73.90	1072	32.53	0.44	510	97	2.37	56.89	8.40	79.76	482	1774	7
1355030828016	5.21	0.55	48	33.29	1437.52	49.46	33.20	7.98	0.00	6	0.00	0.81	5.49	73.90	190	32.53	0.44	99	30	2.58	56.89	8.40	79.76	77	331	0
1355030828017	4.96	0.00	13	24.13	2194.08	55.30	31.93	12.76	0.00	1	0.49	0.00	6.32	75.59	1614	23.87	0.00	970	40	1.53	57.23	7.90	80.21	504	1401	15
1355030828018	19.55	0.92	1	48.51	605.02	48.86	39.85	3.74	0.60	1	0.00	1.37	9.24	67.61	160	43.86	1.25	53	36	4.25	32.00	15.50	74.49	62	447	0
1355030828019	5.21	0.55	169	33.29	1437.52	51.07	28.06	5.78	0.00	1	0.00	0.81	5.49	73.90	1783	32.53	0.44	841	138	2.59	56.89	8.40	79.76	582	3794	14
1355030828020	0.53	0.24	30	4.98	6312.68	56.97	42.86	19.65	0.00	12	0.00	0.00	3.18	72.68	5723	0.00	0.00	3358	268	0.49	83.32	6.20	81.91	448	1530	13
1355030828021	5.21	0.55	0	33.29	1437.52	52.12	43.52	13.02	0.00	0	0.00	0.81	5.49	73.90	417	32.53	0.44	197	93	1.50	56.89	8.40	79.76	175	886	3
1355030828022	2.26	0.15	0	13.68	2518.24	51.55	40.24	4.64	0.00	0	0.00	0.34	4.99	72.27	95	11.48	0.00	17	5	0.45	75.96	7.60	80.49	20	43	1
1355030828023	2.26	0.15	0	13.68	2518.24	51.17	44.79	3.68	0.00	0	0.00	0.34	4.99	72.27	107	11.48	0.00	14	5	0.46	75.96	7.60	80.49	4	20	0
1355030828024	9.41	0.71	16	46.74	1044.54	47.31	29.68	5.28	0.00	0	0.19	0.50	5.83	62.75	1211	33.86	2.82	468	162	2.01	41.96	9.10	79.18	507	2687	82
1355030828025	36.81	3.24	4	57.62	462.01	52.41	43.68	4.15	0.41	0	0.99	5.53	14.24	62.45	362	54.24	0.43	70	85	6.36	21.10	22.30	70.69	386	795	0
1355030828026	4.77	0.28	26	25.42	1694.38	52.37	41.10	14.41	0.00	0	0.00	0.00	4.55	68.14	1778	33.29	0.00	771	209	1.79	64.18	8.30	79.86	193	1635	46
1355030828027	4.77	0.28	0	25.42	1694.38	52.19	34.29	9.87	0.00	0	0.00	0.00	4.55	68.14	94	33.29	0.00	39	23	0.36	64.18	8.30	79.86	31	234	0
1355030828028	9.41	0.71	15	46.74	1044.54	50.17	37.20	7.81	0.00	14	0.19	0.50	5.83	62.75	1090	33.86	2.82	334	185	2.45	41.96	9.10	79.18	333	2229	38
1355030828029	36.81	3.24	0	57.62	462.01	49.23	66.38	3.58	0.41	0	0.99	5.53	14.24	62.45	106	54.24	0.43	18	30	3.82	21.10	22.30	70.69	75	416	0
1355030828030	43.76	4.27	1	67.65	583.21	50.45	31.89	8.06	5.06	0	6.78	14.50	17.39	60.66	101	66.82	5.97	24	22	0.36	14.08	17.60	73.22	28	212	3
1355030828031	43.76	4.27	342	67.65	583.21	49.51	54.46	2.01	5.06	8	6.78	14.50	17.39	60.66	326	66.82	5.97	75	60	14.31	14.08	17.60	73.22	172	1050	0
1355030828032	9.41	0.71	27	46.74	1044.54	52.44	42.64	9.58	0.00	12	0.19	0.50	5.83	62.75	930	33.86	2.82	314	147	3.02	41.96	9.10	79.18	267	1797	29
1355030828033	9.41	0.71	7	46.74	1044.54	52.85	46.64	6.60	0.00	0	0.19	0.50	5.83	62.75	666	33.86	2.82	229	71	2.94	41.96	9.10	79.18	182	1279	3
1355030828034	1.75	0.00	20	6.38	4037.91	54.36	37.54	15.09	0.00	0	0.00	0.17	4.27	73.02	4298	7.09	0.00	2096	209	1.27	76.57	6.90	81.17	491	1895	23
1355030828035	19.55	0.92	2	48.51	605.02	50.85	26.87	6.80	0.60	0	0.00	1.37	9.24	67.61	101	43.86	1.25	38	26	0.00	32.00	15.50	74.49	35	219	0
1355030828036	14.40	0.12	0	35.67	723.49	48.28	33.03	5.40	0.00	0	0.40	0.67	7.04	74.96	172	40.44	4.10	45	6	6.42	39.26	13.10	76.07	41	156	1
1355030828037	14.40	0.12	0	35.67	723.49	49.10	39.92	4.20	0.00	0	0.40	0.67	7.04	74.96	136	40.44	4.10	47	13	5.16	39.26	13.10	76.07	41	275	0
1355030828038	14.40	0.12	0	35.67	723.49	49.39	30.98	2.31	0.00	0	0.40	0.67	7.04	74.96	120	40.44	4.10	36	24	5.31	39.26	13.10	76.07	66	322	0
1355030828039	13.08	1.02	0	33.59	925.70	47.21	28.71	4.15	0.00	0	0.00	0.19	6.40	71.06	72	29.42	4.07	32	14	3.80	41.51	10.40	78.06	48	315	0
1355030828040	43.76	4.27	0	67.65	583.21	50.34	35.94	5.75	5.06	0	6.78	14.50	17.39	60.66	37	66.82	5.97	12	17	3.48	14.08	15.80	74.31	18	205	8
1355030828041	9.41	0.71	14	46.74	1044.54	50.11	40.55	3.90	0.00	0	0.19	0.50	5.83	62.75	49	33.86	2.82	19	12	5.49	41.96	9.10	79.18	29	200	0
1355030829001	4.30	0.00	10	13.08	1866.79	53.98	41.89	13.15	0.00	0	0.27	0.00	3.91	71.34	2815	11.94	4.15	1071	233	1.23	64.01	8.20	79.95	554	2709	46
1355030829002	6.40	0.21	36	25.31	1460.36	53.69	41.11	12.14	0.00	2	0.00	0.11	6.52	73.16	3150	13.92	0.00	1112	476	2.03	61.77	8.40	79.77	917	4038	36
1355030829003	12.02	0.46	9	37.41	962.75	53.29	40.06	10.58	0.00	1	0.00	0.44	7.22	71.14	3286	43.22	0.78	997	449	2.49	39.03	9.70	78.69	1259	4802	175
1355030829004	6.13	0.19	12	35.72	1199.64	53.09	40.03	11.14	0.08	2	0.00	0.08	4.18	69.48	3240	19.32	0.00	1019	370	2.31	53.98	8.60	79.59	799	4352	25
1355030829005	27.51	1.06	89	57.01	484.48	50.33	48.74	2.15	0.00	12	0.00	0.55	11.56	70.84	2733	45.66	1.33	420	642	9.17	26.26	20.10	71.84	1279	10744	13
1355030829006	6.13	0.19	13	35.72	1199.64	53.30	43.40	13.06	0.08	1	0.00	0.08	4.18	69.48	1751	19.32	0.00	526	241	1.35	53.98	8.60	79.59	520	2026	9
1355030829007	10.15	0.00	12	37.35	924.87	53.60	41.23	10.99	0.00	1	0.00	0.57	5.26	70.30	3845	40.50	4.13	1220	575	2.70	42.41	10.10	78.34	1864	6877	39
1355030829008	15.52	0.37	43	43.38	752.01	52.82	42.57	9.46	0.00	4	0.00	0.38	5.49	68.47	6557	43.14	2.19	1855	1240	3.41	40.02	13.60	75.79	3481	14166	76
1355030829009	43.76	4.27	0	67.65	583.21	53.13	85.26	1.14	5.06	0	6.78	14.50	17.39	60.66	0	66.82	5.97	0	0	12.89	14.08	17.60	73.22	0	0	0
1355030829010	4.30	0.00	1	13.08	1866.79	54.18	42.72	15.21	0.00	0	0.27	0.00	3.91	71.34	610	11.94	4.15	215	40	1.44	64.01	8.20	79.95	54	339	0
1355030829011	12.02	0.46	2	37.41	962.75	52.55	42.66	10.26	0.00	1	0.00	0.44	7.22	71.14	626	43.22	0.78	166	73	4.25	39.03	9.70	78.69	107	829	4
1355030829012	43.76	4.27	0	67.65	583.21	54.77	47.73	17.29	5.06	0	6.78	14.50	17.39	60.66	79	66.82	5.97	41	11	0.19	14.08	17.60	73.22	25	103	0
1355030829013	10.15	0.00	6	37.35	924.87	51.28	41.04	7.47	0.00	3	0.00	0.57	5.26	70.30	825	40.50	4.13	226	135	4.10	42.41	10.10	78.34	243	2049	2
1355030829014	12.02	0.46	3	37.41	962.75	53.46	41.82	12.33	0.00	0	0.00	0.44	7.22	71.14	516	43.22	0.78	238	71	1.96	39.03	9.70	78.69	125	1051	14
1355030829015	15.52	0.37	0	43.38	752.01	54.92	41.71	17.00	0.00	0	0.00	0.38	5.49	68.47	171	43.14	2.19	86	28	1.71	40.02	13.60	75.79	63	126	12
1355030829016	4.67	0.00	2	29.06	1524.17	52.57	45.03	14.19	0.00	0	0.00	0.31	4.48	71.64	389	15.75	8.19	108	53	1.67	54.47	8.40	79.80	89	411	11
1355030829017	4.67	0.00	14	29.06	1524.17	53.98	41.26	13.64	0.00	0	0.00	0.31	4.48	71.64	2492	15.75	8.19	937	294	1.45	54.47	8.40	79.80	498	2782	31
1355030829018	15.52	0.37	7	43.38	752.01	49.55	44.11	5.32	0.00	3	0.00															

1355030829019	15.52	0.37	0	43.38	752.01	54.57	46.25	11.14	0.00	0	0.00	0.38	5.49	68.47	104	43.14	2.19	29	13	5.60	40.02	13.60	75.79	22	166	0
1355030829020	4.30	0.00	0	13.08	1866.79	51.08	35.02	6.99	0.00	0	0.27	0.00	3.91	71.34	355	11.94	4.15	107	18	0.64	64.01	8.20	79.95	46	226	0
1355030829021	27.51	1.06	13	17.08	484.48	50.56	48.84	2.32	0.00	0	0.00	0.55	11.56	70.84	624	45.66	1.33	118	159	7.41	26.26	20.10	71.84	437	2184	1
1355030829022	4.30	0.00	0	13.08	1866.79	52.37	38.82	2.20	0.00	0	0.27	0.00	3.91	71.34	75	11.94	4.15	26	3	0.46	64.01	8.20	79.95	27	72	4
1355030829023	4.67	0.00	0	29.06	1524.17	54.91	35.19	7.84	0.00	0	0.00	0.31	4.48	71.64	319	15.75	8.19	86	29	1.54	54.47	8.40	79.80	106	366	0
1355030829024	27.51	1.06	4	57.01	484.48	50.94	49.17	4.77	0.00	0	0.00	0.55	11.56	70.84	129	45.66	1.33	12	38	8.50	26.26	20.10	71.84	74	254	0
1355030829025	9.62	0.00	20	32.68	987.39	53.99	42.06	11.70	0.00	2	0.00	0.00	6.49	71.68	2503	31.93	1.09	810	398	3.02	48.33	10.00	78.41	1160	4142	12
1355030829026	9.62	0.00	32	32.68	987.39	53.11	42.40	12.36	0.00	0	0.00	0.00	6.49	71.68	2577	31.93	1.09	813	420	2.64	48.33	10.00	78.41	1042	4185	59
1355030829027	27.51	1.06	9	57.01	484.48	51.10	51.04	2.98	0.00	0	0.00	0.55	11.56	70.84	379	45.66	1.33	42	83	7.74	26.26	20.10	71.84	144	1118	4
1355030829028	27.51	1.06	0	57.01	484.48	54.05	43.55	5.23	0.00	1	0.00	0.55	11.56	70.84	147	45.66	1.33	50	35	1.40	26.26	20.10	71.84	82	380	0
1355030829029	4.67	0.00	2	29.06	1524.17	53.36	38.76	11.50	0.00	0	0.00	0.31	4.48	71.64	275	15.75	8.19	71	50	1.66	54.47	8.40	79.80	79	273	2
1355030829030	27.51	1.06	0	57.01	484.48	52.67	46.35	14.63	0.00	0	0.00	0.55	11.56	70.84	111	45.66	1.33	25	17	1.24	26.26	20.10	71.84	4	214	0
1355030829031	27.51	1.06	1	57.01	484.48	52.46	51.98	11.01	0.00	0	0.00	0.55	11.56	70.84	57	45.66	1.33	14	9	1.89	26.26	20.10	71.84	34	97	0
1355030829032	36.02	3.24	0	59.05	415.46	53.04	44.54	9.78	1.07	0	1.62	4.30	12.01	66.12	71	56.56	9.28	26	32	2.06	21.71	24.60	69.58	38	58	0
1355030829033	27.51	1.06	98	57.01	484.48	52.86	49.76	6.26	0.00	1	0.00	0.55	11.56	70.84	359	45.66	1.33	73	66	8.50	26.26	20.10	71.84	227	671	1
1355030829034	27.51	1.06	1	57.01	484.48	53.34	49.21	8.66	0.00	0	0.00	0.55	11.56	70.84	90	45.66	1.33	25	18	6.22	26.26	20.10	71.84	49	316	3
1355030829035	2.50	0.00	0	4.95	13802.96	52.57	45.13	16.55	0.00	0	0.00	0.00	5.04	75.44	61	10.48	0.00	21	7	0.79	79.33	5.70	82.41	11	72	1
1355030829036	15.52	0.37	2	43.38	752.01	51.23	48.77	8.40	0.00	0	0.27	0.00	3.91	71.34	166	11.94	4.15	40	2	1.01	64.01	8.20	79.95	17	27	0
1355030829037	6.40	0.21	6	25.31	1460.36	52.70	37.11	10.62	0.00	1	0.00	0.11	6.52	73.16	745	13.92	0.00	288	101	1.94	61.77	8.40	79.77	235	1215	17
1355030829038	4.67	0.00	1	29.06	1524.17	53.03	40.15	12.41	0.00	0	0.00	0.31	4.48	71.64	348	15.75	8.19	103	51	1.15	54.47	8.40	79.80	105	450	6
1355030829039	4.30	0.00	1	13.08	1866.79	53.19	39.39	8.57	0.00	0	0.27	0.00	3.91	71.34	384	11.94	4.15	77	26	3.33	64.01	8.20	79.95	45	315	8
1355030829040	12.02	0.46	1	37.41	962.75	54.32	44.38	13.24	0.00	0	0.00	0.44	7.22	71.14	281	13.92	0.78	85	38	3.08	39.03	9.70	78.69	56	320	11
1355030829041	15.52	0.37	0	43.38	752.01	53.25	43.86	7.50	0.00	1	0.00	0.38	5.49	68.47	57	43.14	2.19	21	7	3.25	40.02	13.60	75.79	55	155	0
1355030829042	4.30	0.00	0	13.08	1866.79	53.41	30.14	4.50	0.00	0	0.27	0.00	3.91	71.34	166	11.94	4.15	40	2	1.01	64.01	8.20	79.95	17	27	0
1355030829043	4.30	0.00	0	13.08	1866.79	53.86	31.06	6.10	0.00	0	0.27	0.00	3.91	71.34	74	11.94	4.15	41	0	0.22	64.01	8.20	79.95	14	55	0
1355030829044	4.30	0.00	0	13.08	1866.79	50.49	30.19	5.26	0.00	0	0.27	0.00	3.91	71.34	107	11.94	4.15	28	3	0.20	64.01	8.20	79.95	13	63	7
1355030830001	1.53	0.00	26	9.11	3888.14	54.77	29.83	12.73	0.00	0	0.00	0.00	4.05	80.27	4670	12.86	0.00	2687	160	0.71	80.25	6.90	81.13	456	1926	16
1355030830002	0.62	1.08	39	4.55	6043.61	56.35	36.16	16.70	0.00	1	0.00	0.17	4.07	74.64	7260	2.53	0.00	4122	193	0.66	82.58	6.20	81.86	580	2032	37
1355030830003	1.27	0.00	23	5.44	6517.80	56.41	40.26	17.93	0.00	3	0.00	0.00	4.80	76.25	4544	3.15	0.00	2556	140	0.41	85.49	6.10	81.95	280	1167	27
1355030830004	0.51	0.24	48	3.75	5704.31	53.87	30.78	10.74	0.00	3	0.12	0.48	3.27	79.00	5339	6.28	1.43	2657	227	0.97	86.10	6.30	81.77	429	2035	27
1355030830005	2.56	0.00	17	9.25	5120.00	55.23	31.28	12.90	0.00	0	0.00	0.00	4.44	72.75	3109	4.29	0.00	1695	83	0.54	79.01	6.50	81.60	210	817	10
1355030830006	1.38	0.05	53	9.60	2991.81	55.26	37.59	15.77	0.00	0	0.12	0.05	3.97	77.04	6668	0.00	0.00	3295	291	0.96	79.23	7.40	80.67	737	2745	40
1355030830007	0.57	0.13	72	3.20	7334.80	54.31	37.48	14.55	0.00	0	0.00	1.21	2.72	77.68	5578	4.65	0.00	3003	334	0.38	82.21	6.00	82.05	350	1708	22
1355030830008	2.85	0.00	31	9.12	3098.42	54.72	31.84	10.84	0.00	0	0.00	0.31	4.27	75.58	3811	12.15	0.00	1634	189	0.84	78.22	7.30	80.79	648	2101	6
1355030830009	1.53	0.29	33	7.11	3073.25	54.44	44.85	19.37	0.00	0	0.00	0.34	6.16	71.52	3867	5.21	0.00	1700	370	0.90	79.12	7.30	80.76	543	1753	26
1355030830010	0.48	0.00	34	4.45	6917.80	54.88	32.95	12.51	0.00	0	0.00	0.00	4.32	75.86	5533	6.89	0.00	3199	103	0.31	86.71	6.10	81.96	240	1226	15
1355030830011	2.40	0.00	22	3.31	5911.09	55.11	33.66	13.24	0.00	3	0.00	0.48	4.41	79.07	3803	0.00	0.00	2199	119	0.48	86.67	6.20	81.84	205	1096	12
1355030830012	2.85	0.00	1	9.12	3098.42	55.43	30.13	11.27	0.00	0	0.00	0.31	4.27	75.58	187	12.15	0.00	106	18	1.51	78.22	7.30	80.79	44	131	7
1355030830013	27.72	0.49	0	49.68	510.82	50.17	36.20	4.70	0.00	0	0.28	1.51	7.89	71.35	103	62.75	2.21	27	56	24.20	25.61	18.90	72.50	145	546	0
1355030830014	2.56	0.00	8	9.25	5120.00	54.60	43.25	18.62	0.00	0	0.00	0.00	4.44	72.75	1443	4.29	0.00	663	144	0.70	79.01	6.50	81.60	203	706	4
1355030830015	2.85	0.00	23	9.12	3098.42	53.94	37.41	13.84	0.00	0	0.00	0.31	4.27	75.58	1120	12.15	0.00	438	118	1.49	78.22	7.30	80.79	423	936	8
1355030830016	7.61	0.00	3	15.63	1017.12	51.86	46.12	13.79	0.00	0	0.00	0.00	7.98	76.45	136	9.29	1.54	29	14	1.77	56.82	9.30	79.04	12	120	0
1355030830017	2.93	0.00	35	8.22	4791.79	54.28	34.73	11.04	0.00	0	0.23	0.00	5.63	78.87	4282	9.61	0.00	1887	200	0.74	77.40	6.60	81.43	658	2226	19
1355030830018	43.76	4.27	0	67.65	583.21	54.66	50.94	13.87	5.06	0	6.78	14.50	17.39	60.66	97	66.82	5.97	25	5	0.26	14.08	17.60	73.22	2	10	0
1355030830019	19.55	0.92	0	48.51	605.02	48.97	36.13	3.60	0.60	0	0.00	1.37	9.24	67.61	94	43.86	1.25	20	18	7.56	32.00	15.50	74.49	41	189	0
1355030830020	27.72	0.49	0	49.68	510.82	50.27	44.37	2.20	0.00	0	0.28	1.51	7.89	71.35	41	62.75	2.21	19	15	7.99	25.61	18.90	72.50	44	190	1
1355030830021	7.61	0.00	0	15.63	1017.12	51.01	51.57	15.17	0.00	0	0.00	0.00	7.98	76.45	100	9.29	1.54	33	10	2.27	56.82	9.30	79.04	24	91	0
1355030831001	2.82	0.14	14	6.68	2765.73	55.15	43.69	16.85	0.00	0	0.00	0.18	3.78	72.81	2277	13.96	0.00	1103	167	1.05	66.70	7.50	80.55	242	1176	3
1355030831002	8.78	0.83	20	28.92	1121.08	52.90	41.49	12.89	0.36	0	0.00	0.14	4.04	72.50	4250	20.47	1.36	1492	650	1.92	4					

1355030831003	6.29	0.53	47	28.74	1120.60	53.10	42.22	13.72	0.00	4	0.00	0.17	7.38	71.50	3123	28.62	2.38	1263	453	1.86	46.75	8.90	79.34	1090	4075	10
1355030831004	4.80	0.45	16	26.76	1305.63	53.10	38.95	11.37	0.00	1	0.00	0.00	5.34	77.72	1606	20.69	0.00	592	206	2.03	52.42	8.50	79.65	486	2009	8
1355030831005	3.71	0.08	14	10.90	1675.14	54.80	37.73	12.80	0.00	0	0.00	0.00	4.35	76.87	2458	6.66	0.00	808	169	1.40	66.86	8.30	79.86	359	1643	5
1355030831006	9.70	1.93	24	28.40	857.25	52.50	40.50	11.43	0.00	3	0.00	1.11	8.39	68.42	3391	22.38	0.79	884	608	2.90	40.47	10.70	77.89	1292	5632	8
1355030831007	12.58	0.23	10	33.09	813.76	52.66	40.45	10.23	0.48	3	0.60	0.00	7.50	70.00	2427	19.49	1.40	677	367	3.10	43.65	11.40	77.31	863	4771	8
1355030831008	13.32	0.00	46	40.02	724.73	51.63	37.36	6.24	0.00	1	0.12	0.00	8.04	72.91	2262	34.86	3.39	571	426	3.58	34.73	13.10	76.09	1096	5513	7
1355030831009	8.89	0.00	29	30.80	997.28	52.55	39.65	12.64	0.00	4	0.00	0.00	7.03	68.19	3554	16.74	0.00	1118	433	2.34	52.68	9.40	78.95	1185	5140	6
1355030831010	11.62	0.95	47	30.63	849.21	52.39	41.76	9.75	0.00	2	0.36	0.14	8.54	69.01	4005	22.01	1.17	1097	580	3.42	42.11	10.80	77.81	1442	8409	28
1355030831011	9.70	1.93	12	28.40	1035.81	51.08	36.15	6.82	0.00	1	0.00	1.11	8.39	68.42	1303	22.38	0.79	341	256	2.82	40.47	10.70	77.89	602	3314	0
1355030831012	9.34	0.45	0	29.60	857.25	52.59	30.38	5.27	0.00	0	0.00	0.41	6.73	72.06	1020	29.70	3.26	260	112	1.79	46.69	9.20	79.11	466	1908	11
1355030831013	12.58	0.23	45	33.09	813.76	52.68	40.11	7.87	0.48	0	0.60	0.00	7.50	70.00	1718	19.49	1.40	409	288	3.18	43.65	11.40	77.31	723	3972	18
1355030831014	17.84	0.28	186	38.25	589.38	52.34	40.61	4.06	0.00	1	0.00	0.26	8.38	67.36	3583	38.51	0.42	797	659	4.75	38.50	15.70	74.37	1695	10439	5
1355030831015	41.37	4.76	1	57.01	392.90	51.18	46.88	3.55	1.10	0	1.24	7.37	13.52	65.69	525	56.31	7.03	85	149	11.13	21.12	25.30	69.30	324	2758	1
1355030831016	41.37	4.76	2	57.01	392.90	49.96	44.57	2.66	1.10	0	1.24	7.37	13.52	65.69	148	56.31	7.03	34	39	10.79	21.12	25.30	69.30	31	519	0
1355030831017	41.37	4.76	22	57.01	392.90	51.27	48.46	3.49	1.10	4	1.24	7.37	13.52	65.69	1294	56.31	7.03	247	307	9.46	21.12	25.30	69.30	570	4697	0
1355030831018	41.37	4.76	0	57.01	392.90	51.76	45.51	2.82	1.10	3	1.24	7.37	13.52	65.69	813	56.31	7.03	166	162	10.88	21.12	25.30	69.30	324	2758	0
1355030831019	41.37	4.76	177	57.01	392.90	51.65	49.23	2.99	1.10	9	1.24	7.37	13.52	65.69	681	56.31	7.03	157	249	11.24	21.12	25.30	69.30	585	3301	1
1355030831020	9.34	0.45	105	29.60	1035.81	49.77	40.24	12.49	0.00	0	0.00	0.41	6.73	72.06	1235	29.70	3.26	421	142	8.77	46.69	9.20	79.11	602	1468	1
1355030831021	2.82	0.14	6	6.68	2765.73	51.86	36.76	11.03	0.00	0	0.00	0.18	3.78	72.81	1347	13.96	0.00	442	134	0.73	66.70	7.50	80.55	149	839	1
1355030831022	31.00	0.94	0	59.36	495.40	49.49	50.38	3.14	2.64	0	0.92	3.60	13.31	63.59	94	47.57	3.10	29	40	3.63	26.63	19.40	72.24	22	370	0
1355030831023	41.37	4.76	0	57.01	392.90	50.26	34.63	9.88	1.10	0	1.24	7.37	13.52	65.69	66	56.31	7.03	29	15	2.23	21.12	25.30	69.30	45	65	0
1355030831024	15.29	0.66	1	34.62	653.37	51.51	41.92	7.87	2.22	0	0.00	0.00	8.20	67.41	166	25.83	0.00	81	30	3.09	36.98	14.20	75.33	107	436	0
1355030831025	15.29	0.66	0	34.62	653.37	55.49	41.57	10.80	2.22	0	0.00	0.00	8.20	67.41	173	25.83	0.00	54	11	1.25	36.98	14.20	75.33	20	282	0
1355030831026	9.70	1.93	0	28.40	857.25	53.48	31.77	6.03	0.00	0	0.00	1.11	8.39	68.42	285	22.38	0.79	121	31	2.36	40.47	10.70	77.89	114	524	1
1355030831027	9.34	0.45	51	29.60	1035.81	53.43	40.86	12.24	0.00	0	0.00	0.41	6.73	72.06	1910	29.70	3.26	708	240	2.18	46.69	9.20	79.11	545	2707	3
1355030831028	15.29	0.66	16	34.62	653.37	51.95	41.81	8.62	2.22	6	0.00	0.00	8.20	67.41	1946	25.83	0.00	563	302	4.73	36.98	14.20	75.33	802	5400	38
1355030831029	31.00	0.94	6	59.36	495.40	49.17	37.28	10.64	2.64	0	0.92	3.60	13.31	63.59	55	47.57	3.10	19	10	1.98	26.63	19.40	72.24	21	230	0
1355030831030	31.00	0.94	10	59.36	495.40	50.68	42.37	3.57	2.64	0	0.92	3.60	13.31	63.59	306	47.57	3.10	61	56	7.53	26.63	19.40	72.24	181	1051	0
1355030831031	31.00	0.94	10	59.36	495.40	51.63	50.83	4.74	2.64	1	0.92	3.60	13.31	63.59	652	47.57	3.10	110	154	8.13	26.63	19.40	72.24	459	2341	0
1355030831032	31.00	0.94	1	59.36	495.40	51.21	51.49	3.00	2.64	0	0.92	3.60	13.31	63.59	287	47.57	3.10	55	99	5.94	26.63	19.40	72.24	220	1344	6
1355030831033	19.55	0.92	43	48.51	605.02	51.08	42.64	6.23	0.60	0	0.00	1.37	9.24	67.61	220	43.86	1.25	47	70	4.70	32.00	15.50	74.49	76	435	0
1355030831034	19.55	0.92	0	48.51	605.02	51.30	38.73	4.64	0.60	0	0.00	1.37	9.24	67.61	181	43.86	1.25	35	54	7.20	32.00	15.50	74.49	177	797	0
1355030831035	9.70	1.93	0	28.40	857.25	52.89	43.51	9.49	0.00	0	0.00	1.11	8.39	68.42	349	22.38	0.79	78	42	1.42	40.47	10.70	77.89	109	411	6
1355030831036	15.29	0.66	7	34.62	653.37	52.26	41.19	7.03	2.22	1	0.00	0.00	8.20	67.41	1301	25.83	0.00	301	211	3.04	36.98	14.20	75.33	585	2610	0
1355030831037	31.00	0.94	1	59.36	495.40	51.68	46.42	3.61	2.64	0	0.92	3.60	13.31	63.59	79	47.57	3.10	20	25	6.81	26.63	19.40	72.24	57	376	0
1355030831038	17.84	0.28	1	38.25	589.38	53.31	38.87	10.20	0.00	1	0.00	0.26	8.38	67.36	215	38.51	0.42	67	41	1.99	38.50	15.70	74.37	52	342	1
1355030831039	19.55	0.92	14	48.51	605.02	52.19	40.83	6.48	0.60	5	0.00	1.37	9.24	67.61	2195	43.86	1.25	582	401	4.71	32.00	15.50	74.49	1213	5919	6
1355030831040	9.70	1.93	3	28.40	857.25	50.25	32.30	5.13	0.00	0	0.00	1.11	8.39	68.42	239	22.38	0.79	58	34	4.37	40.47	10.70	77.89	123	630	1
1355030831041	31.00	0.94	0	59.36	495.40	51.57	61.28	5.85	2.64	0	0.92	3.60	13.31	63.59	45	47.57	3.10	15	21	12.00	26.63	19.40	72.24	14	212	0
1355030831042	41.37	4.76	47	57.01	392.90	49.46	50.91	3.28	1.10	0	1.24	7.37	13.52	65.69	182	56.31	7.03	42	51	10.90	21.12	25.30	69.30	184	740	0
1355030831043	41.37	4.76	141	57.01	392.90	52.09	47.78	3.65	2.64	1	0.92	3.60	13.31	63.59	1136	47.57	3.10	237	338	7.20	26.63	19.40	72.24	1147	3986	1
1355030831044	31.00	0.94	0	57.01	392.90	51.34	60.07	0.21	1.10	0	1.24	7.37	13.52	65.69	63	56.31	7.03	10	29	10.20	21.12	25.30	69.30	32	288	5
1355030831045	31.00	0.94	1	59.36	495.40	49.34	46.57	2.65	2.64	0	0.92	3.60	13.31	63.59	129	47.57	3.10	20	36	10.59	26.63	19.40	72.24	87	502	17
1355030831046	19.55	0.92	1	48.51	605.02	50.17	39.30	3.76	0.60	1	0.00	1.37	9.24	67.61	483	43.86	1.25	92	81	5.86	32.00	15.50	74.49	307	1441	4
1355030831047	10.71	0.96	41	26.49	694.57	52.85	38.12	6.26	0.00	0	0.00	0.00	5.22	73.39	2392	26.07	2.34	787	243	2.90	43.31	13.30	75.98	1471	5871	29
1355030831048	12.58	0.23	5	33.09	813.76	52.03	34.84	4.97	0.48	0	0.60	0.00	7.50	70.00	88	19.49	1.40	26	20	2.97	43.65	11.40	77.31	48	363	0
1355030831049	31.00	0.94	0	59.36	495.40	50.97	48.93	10.87	2.64	0	0.92	3.60	13.31	63.59	206	47.57	3.10	31	56	1.84	26.63	19.40	72.24	81	321	0
1355030831050	3.31	0.08	6	10.90	1675.14	52.90	32.98	4.85	0.00	0	0.00	0.00	4.35	76.87	587	6.66	0.00	213	24	0.47	66.86	8.30	79.86	137	575	3
1355030831051	4.80	0.45	9	26.76	1305.63	52.80	34.10	4.99	0.00																	

1355030831053	31,00	0,94	4	59,36	495,40	50,24	48,36	3,55	2,64	10	0,92	3,60	13,31	63,59	934	47,57	3,10	148	171	8,26	26,63	19,40	72,24	311	2459	0
1355030831054	31,00	0,94	15	59,36	495,40	50,84	39,53	5,04	2,64	0	0,92	3,60	13,31	63,59	167	47,57	3,10	56	41	4,51	26,63	19,40	72,24	69	875	1
1355030831055	13,32	0,00	26	40,02	724,73	52,77	42,11	8,92	1,10	0	0,12	0,00	8,04	72,91	2510	34,86	3,39	779	424	3,77	34,73	13,40	76,09	1056	7054	9
1355030831056	41,37	4,76	159	57,01	392,90	52,54	43,85	2,41	1,10	0	1,24	7,37	13,52	65,69	71	56,31	7,03	18	32	5,39	21,12	25,30	69,30	0	226	0
1355030831060	19,55	0,92	6	48,51	605,02	50,25	39,47	3,68	0,60	0	0,00	1,37	9,24	67,61	149	43,86	1,25	42	55	6,40	32,00	15,50	74,49	78	728	0
1355030831061	10,71	0,96	2	26,49	694,57	50,39	34,94	3,96	0,00	0	0,00	0,00	5,22	73,39	759	26,07	2,34	110	109	2,46	43,31	13,30	75,98	278	1908	7
1355030831062	10,71	0,96	0	26,49	694,57	52,05	38,09	7,17	0,00	0	0,00	0,00	5,22	73,39	585	26,07	2,34	154	81	2,88	43,31	13,30	75,98	215	1447	2
1355030831063	19,55	0,92	10	48,51	605,02	51,49	39,43	3,87	0,60	0	0,00	1,37	9,24	67,61	564	43,86	1,25	130	171	4,48	32,00	15,50	74,49	336	2497	2
1355030831064	41,37	4,76	222	57,01	392,90	51,04	49,55	2,38	1,10	0	1,24	7,37	13,52	65,69	620	56,31	7,03	84	171	9,67	21,12	25,30	69,30	241	2008	0
1355030831065	41,37	4,76	0	57,01	392,90	50,59	42,32	2,36	1,10	0	1,24	7,37	13,52	65,69	185	56,31	7,03	32	34	3,87	21,12	25,30	69,30	53	533	0
1355030831066	41,37	4,76	9	57,01	392,90	49,96	51,69	2,23	1,10	0	1,24	7,37	13,52	65,69	144	56,31	7,03	33	48	7,21	21,12	25,30	69,30	52	662	2
1355030831067	19,55	0,92	0	48,51	605,02	52,77	33,12	3,49	0,60	0	0,00	1,37	9,24	67,61	92	43,86	1,25	22	10	7,46	32,00	15,50	74,49	100	252	0
1355030831068	4,80	0,45	0	26,76	1305,63	54,02	42,66	16,30	0,00	0	0,00	0,00	5,34	77,72	283	20,69	0,00	109	28	1,98	52,42	8,50	79,65	73	220	1
1355030831071	17,84	0,28	0	38,25	589,38	50,63	50,42	5,29	0,00	0	0,00	0,26	8,38	67,36	141	38,51	0,42	34	44	4,17	38,50	15,70	74,37	109	445	4
1355030831072	2,82	0,14	2	6,68	2765,73	52,88	33,82	8,66	0,00	1	0,00	0,18	3,78	72,81	550	13,96	0,00	158	24	0,54	66,70	7,50	80,55	69	254	0
1355030831073	4,80	0,45	2	26,76	1305,63	53,61	39,84	12,56	0,00	0	0,00	0,00	5,34	77,72	413	20,69	0,00	151	46	2,25	52,42	8,50	79,65	62	587	0
1355030831074	13,32	0,00	2	40,02	724,73	51,46	45,97	11,69	0,00	0	0,12	0,00	8,04	72,91	104	34,86	3,39	34	13	2,83	34,73	13,10	76,09	26	127	0
1355030831075	2,82	0,14	0	6,68	2765,73	53,72	32,33	3,03	0,00	0	0,00	0,18	3,78	72,81	91	13,96	0,00	31	3	0,00	66,70	7,50	80,55	20	73	0
1355030831076	2,82	0,14	0	6,68	2765,73	51,07	32,39	4,04	0,00	0	0,00	0,18	3,78	72,81	108	13,96	0,00	16	1	1,19	66,70	7,50	80,55	15	71	0
1355030831077	2,82	0,14	0	6,68	2765,73	49,78	26,26	1,33	0,00	0	0,00	0,18	3,78	72,81	68	13,96	0,00	16	1	0,00	66,70	7,50	80,55	7	57	0
1355030831078	3,31	0,08	0	10,90	1675,14	54,23	37,38	5,72	0,00	0	0,00	0,00	4,35	76,87	326	6,66	0,00	127	19	0,78	66,86	8,30	79,86	72	301	1
1355030831079	4,80	0,45	0	26,76	1305,63	51,17	36,19	3,59	0,00	0	0,00	0,00	5,34	77,72	63	20,69	0,00	11	4	0,23	52,42	8,50	79,65	33	89	0
1355030831080	10,71	0,96	0	26,49	694,57	52,17	44,32	8,27	0,00	0	0,00	0,00	5,22	73,39	34	26,07	2,34	13	16	2,28	43,31	13,30	75,98	32	103	0
1355030831081	3,31	0,08	2	10,90	1675,14	53,12	37,31	6,15	0,00	0	0,00	0,00	4,35	76,87	659	6,66	0,00	232	24	1,13	66,86	8,30	79,86	149	542	4
1355030831082	2,82	0,14	0	6,68	2765,73	54,86	41,51	6,10	0,00	0	0,00	0,18	3,78	72,81	80	13,96	0,00	33	0	0,25	66,70	7,50	80,55	6	42	0
1355030831083	2,82	0,14	2	6,68	2765,73	54,64	40,29	8,01	0,00	0	0,00	0,18	3,78	72,81	88	13,96	0,00	44	3	0,64	66,70	7,50	80,55	24	57	0
1355030831084	3,31	0,08	6	10,90	1675,14	48,87	36,40	8,68	0,00	1	0,00	0,00	4,35	76,87	60	6,66	0,00	28	11	1,44	66,86	8,30	79,86	5	198	0
1355030831085	4,80	0,45	6	26,76	1305,63	52,22	39,77	12,06	0,00	0	0,00	0,00	5,34	77,72	1089	20,69	0,00	448	139	1,18	52,42	8,50	79,65	343	1312	2
1355030831086	3,31	0,08	0	10,90	1675,14	53,44	32,09	7,29	0,00	0	0,00	0,00	4,35	76,87	84	6,66	0,00	48	3	0,81	66,86	8,30	79,86	11	132	0
1355030831087	3,31	0,08	0	10,90	1675,14	52,15	35,85	3,34	0,00	0	0,00	0,00	4,35	76,87	58	6,66	0,00	16	8	2,27	66,86	8,30	79,86	21	96	0