

Selecting the Best Neighborhood

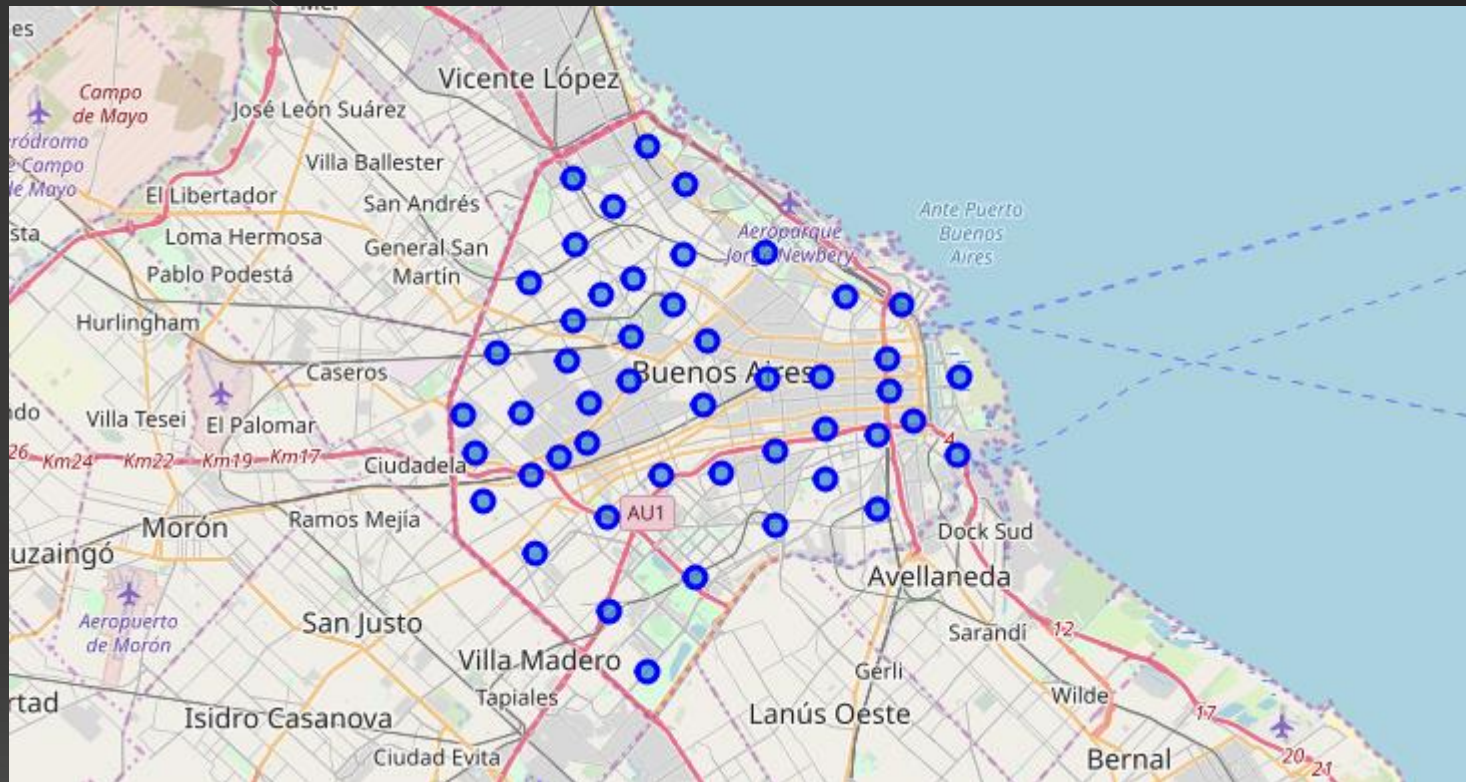
Classify neighborhoods based on rent cost and crime rate

- Usually when people look for a new place to move its important to check the crime stats and the price of the rent.
- Classifying the neighborhoods of a city based in this two variable can help to select the most appropriate place to live.
- With a brief analysis people in general can discard some areas of a city in study, making the moving process a bit faster .

Data

- For the Map the of the neighborhoods of Buenos Aires we used the geojson data provided by the portal of the mayoralty of Buenos Aires data(<https://data.buenosaires.gob.ar/dataset/barrios>)
- Rent (<https://www.estadisticaciudad.gob.ar/eyc/?p=62993>)
- Crimes (<https://e-8ef01e7270.cognitiveclass.ai/download/data/delitos.csv>), to handle missing data, we seek alternative in real state web pages.
- After import the data the name of the columns were normalized, the columns that didn't provide any useful information were drop, the were three main datasets locations, crime and rent.

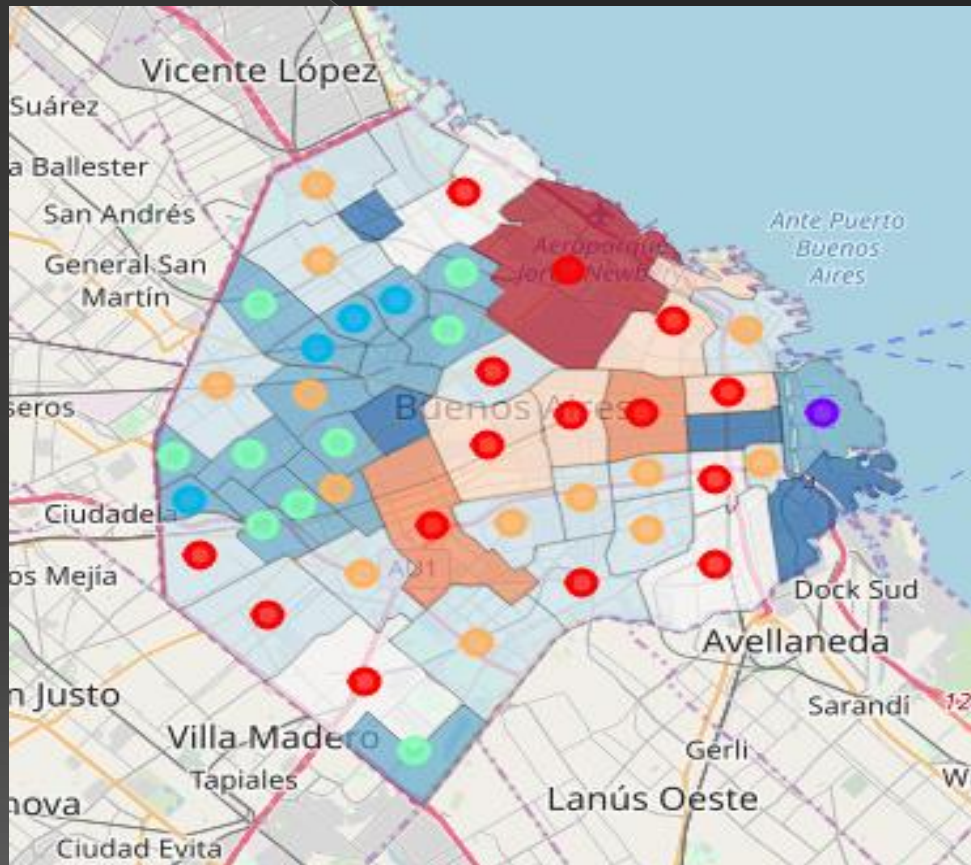
Neighborhood of the City



There are 48 neighborhood in the city of Buenos Aires.

Crimes per Neighborhood in Buenos Aires

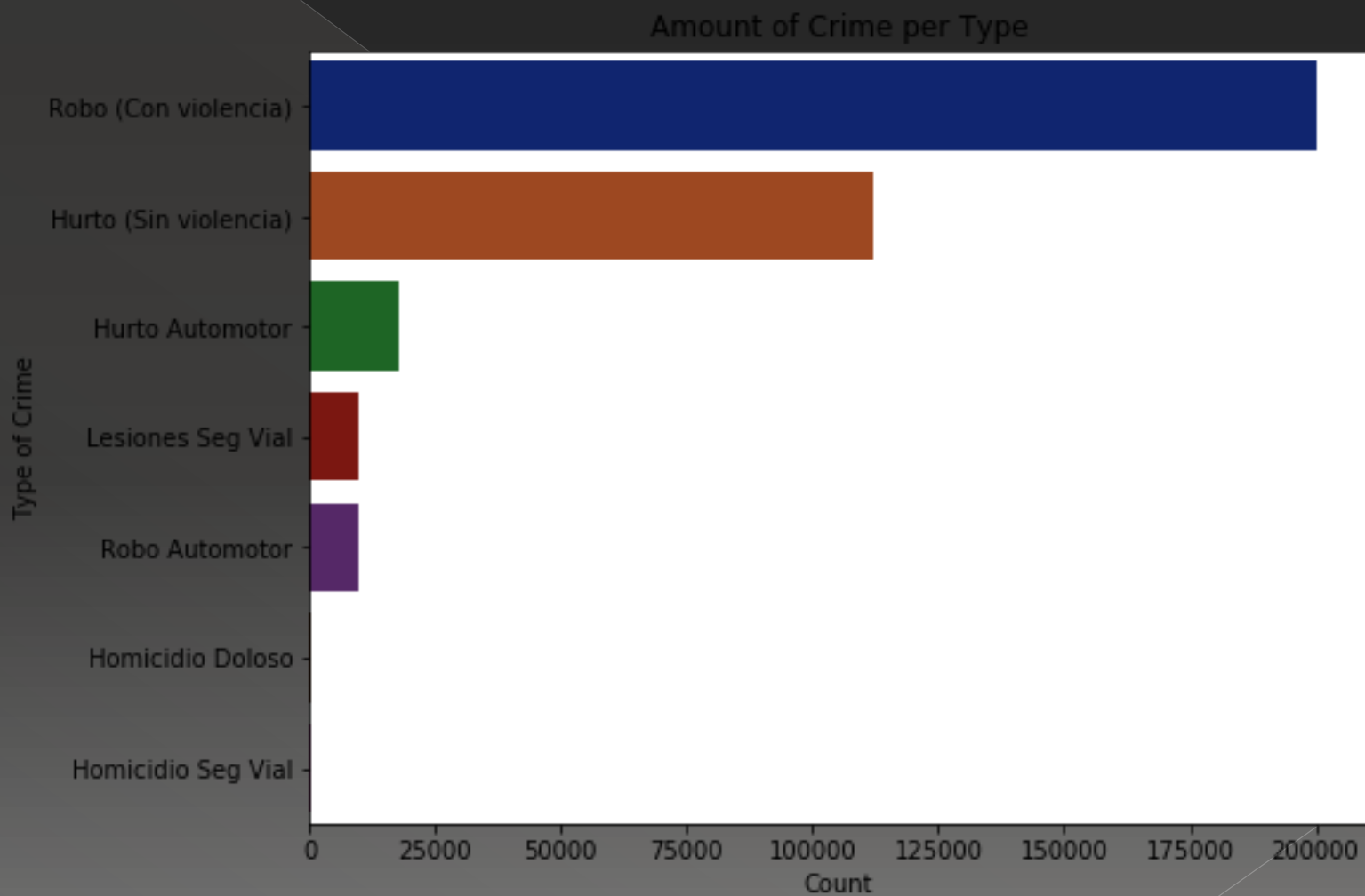
Map of Buenos Aires Crime rate



Top 5 Neighborhoods

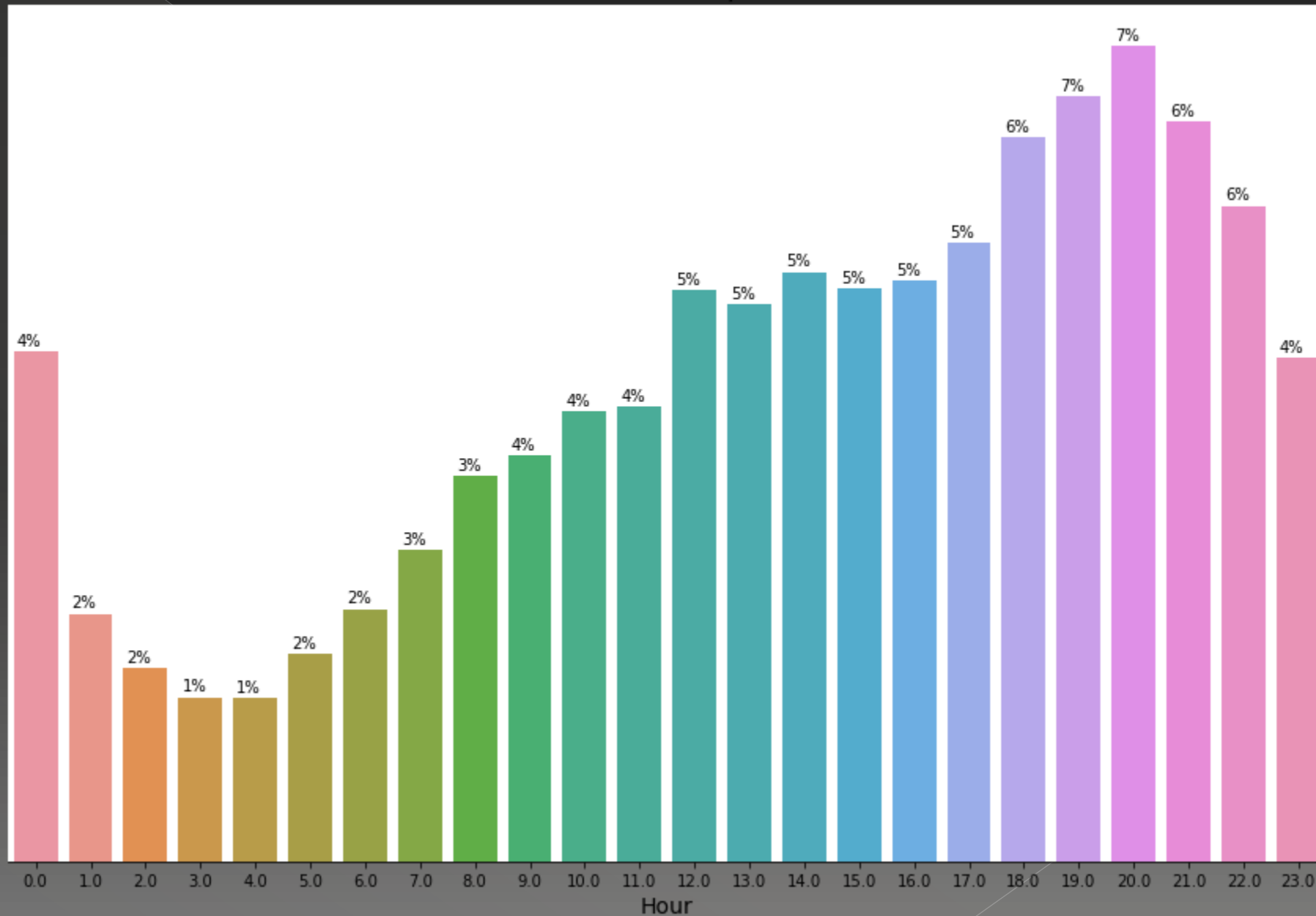
	Total	Pct
Neighbourhood		
PALERMO	27689	0.078891
BALVANERA	23195	0.066086
FLORES	18792	0.053542
SAN NICOLAS	17319	0.049345
CABALLITO	16703	0.047590

Most Common Crimes



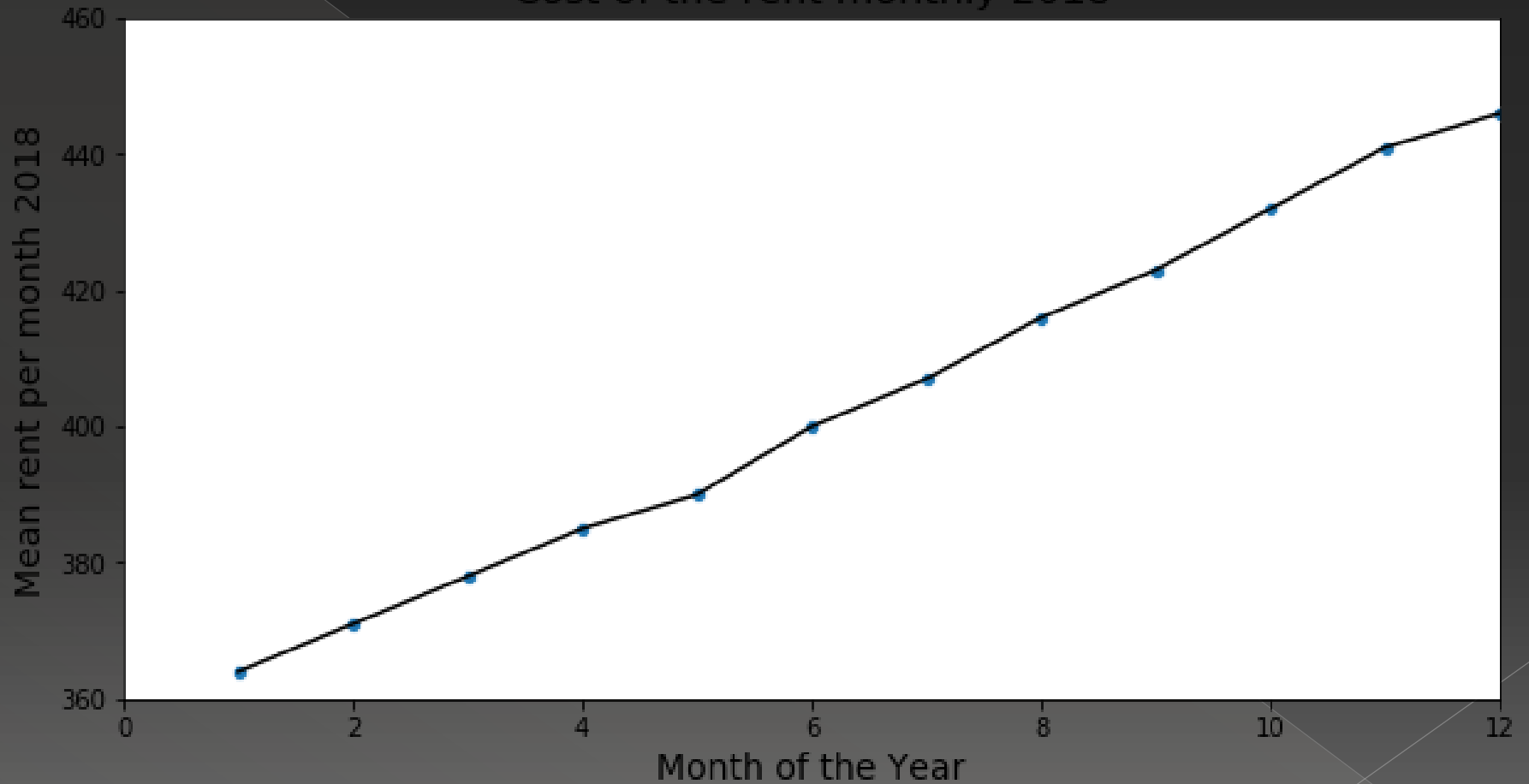
Most dangerous Hours

Crimes committed per Hour

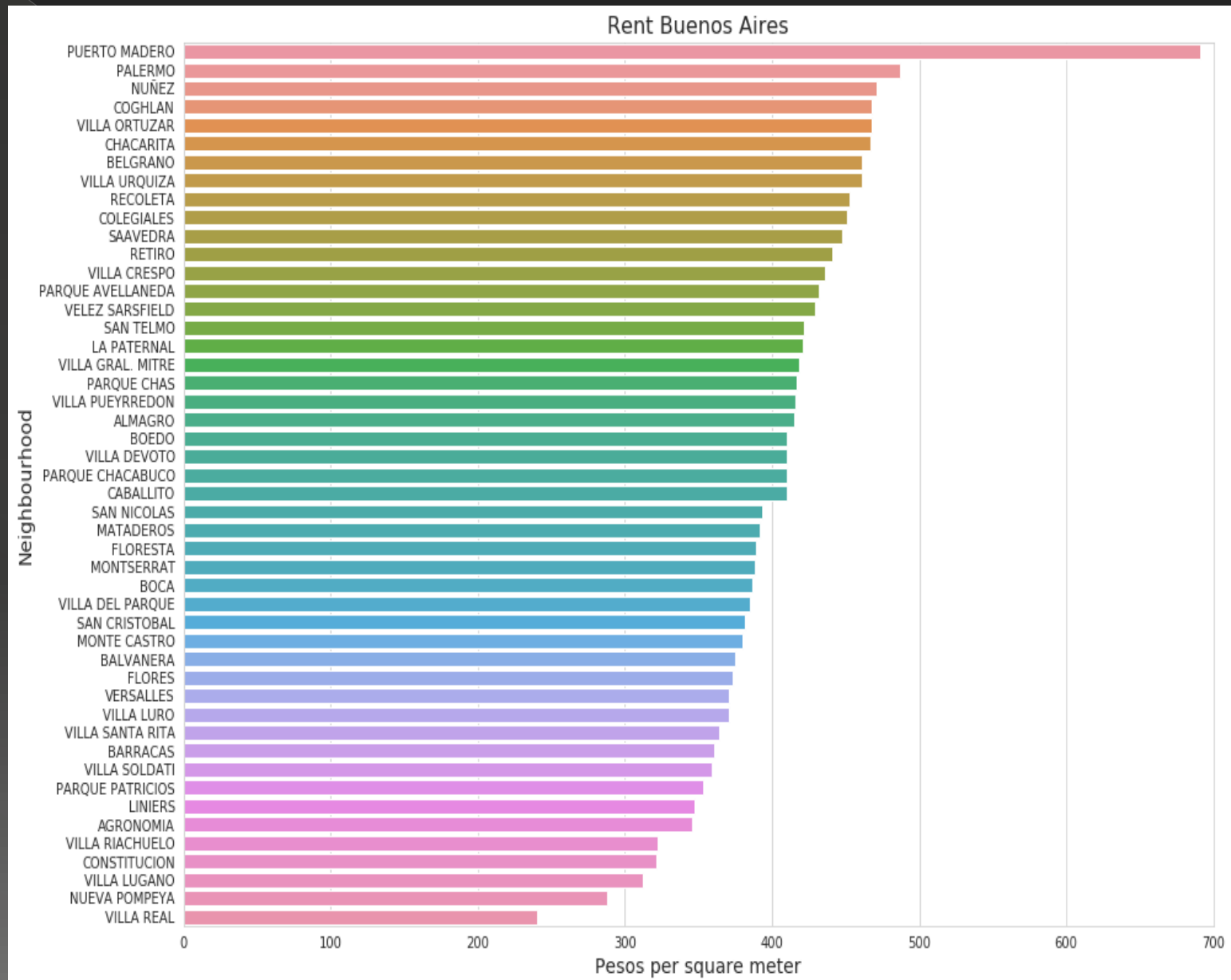


Mean Rent Price Buenos Aires

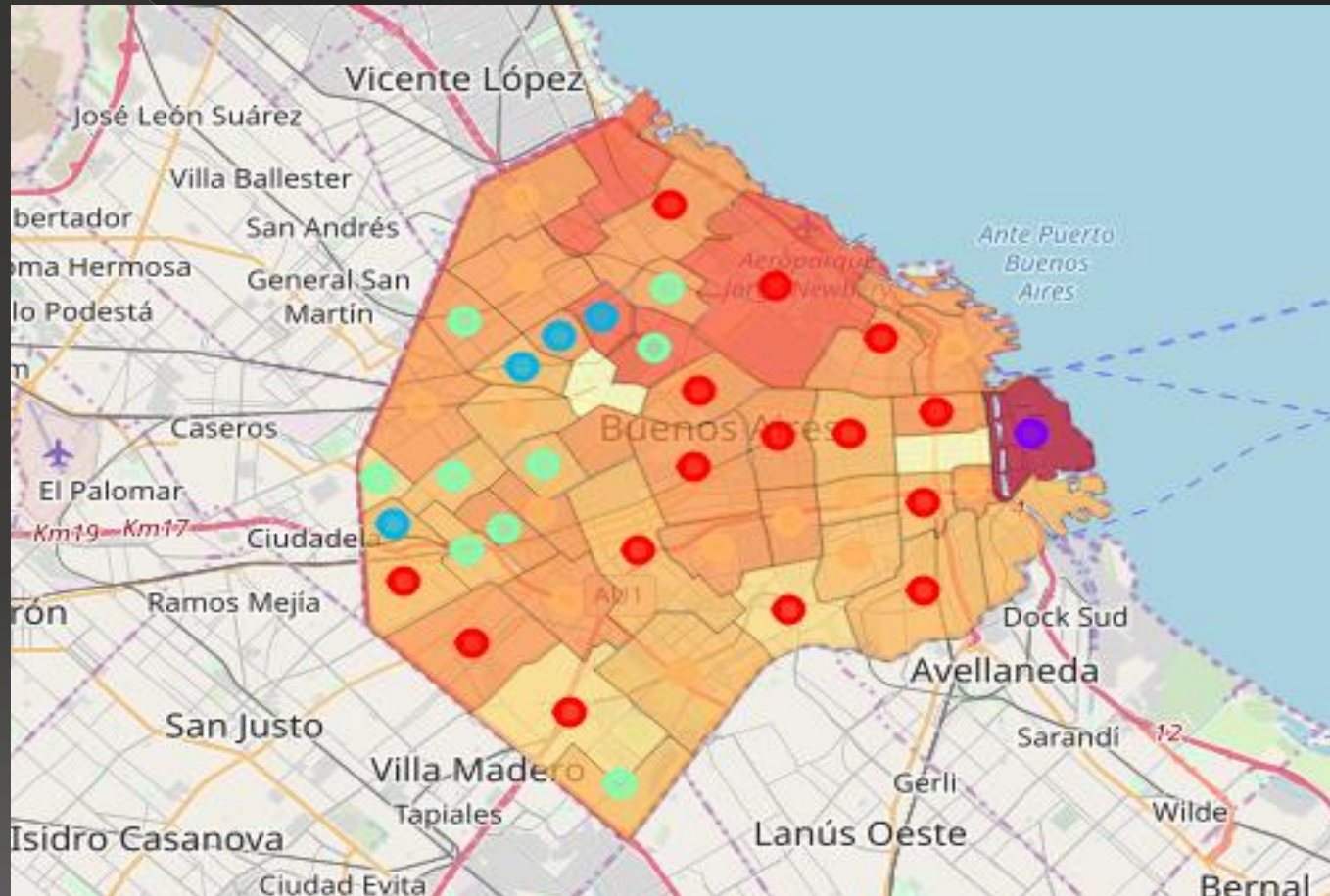
Cost of the rent monthly 2018



Price of rent per square meter - 1



Price of rent per square meter - 1



Discussion

- One of the aspects that stand out the most is that the average rent in Buenos Aires increased 24% the last year, one of the main reason is the financial situation in Argentina where inflation is one of the highest in the world.
- Most of the crimes were committed between 5 to 10 pm. so the law enforcement institutions should place more patrols at this hours in the most dangerous neighborhoods.
- More variables can be used like public transportation, job index, or more specific matters depending on the person necessities, there are several neighborhoods that have similar characteristic to Chacarita and those can be contemplated to move.
- The rent data is a bit ambiguous because the majority of the rent required advance deposits, so the prices are a bit higher.

Conclusion

Data Analysis is a great tool in this case we could detect which are the best neighborhoods to move, depending on the variables to analyze. It's important that government institutions apply these techniques to attack problems they have in their communities like insecurity, traffic, public transportation among others.

Also the information should be public in this case to make decision about which neighborhoods the best to live in or where a business can be started.