

# Relocation to the Rio de la Plata Region



Prepared for the IBM Data Science  
Capstone  
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# Rio Plata Region

- Easy access to Argentine, Brazilian, and Uruguayan markets
- High quality infrastructure
- Good regional transport connections
- Moderate weather
- High quality of life

# Relocation for Expatriates

- How can an individual or family planning a relocation get a general idea about the cities and their respective neighborhoods?
- Which of the two cities would be a better fit?

# Methodology

- Neighborhood name along with geo-coordinates were supplied by Wikipedia
- Venue data was supplied by Foursquare
- Neighborhood data preparation involved intensive manual entry.
- Neighborhoods were group within city via K-means clustering.
- Maps were generated using Folium.

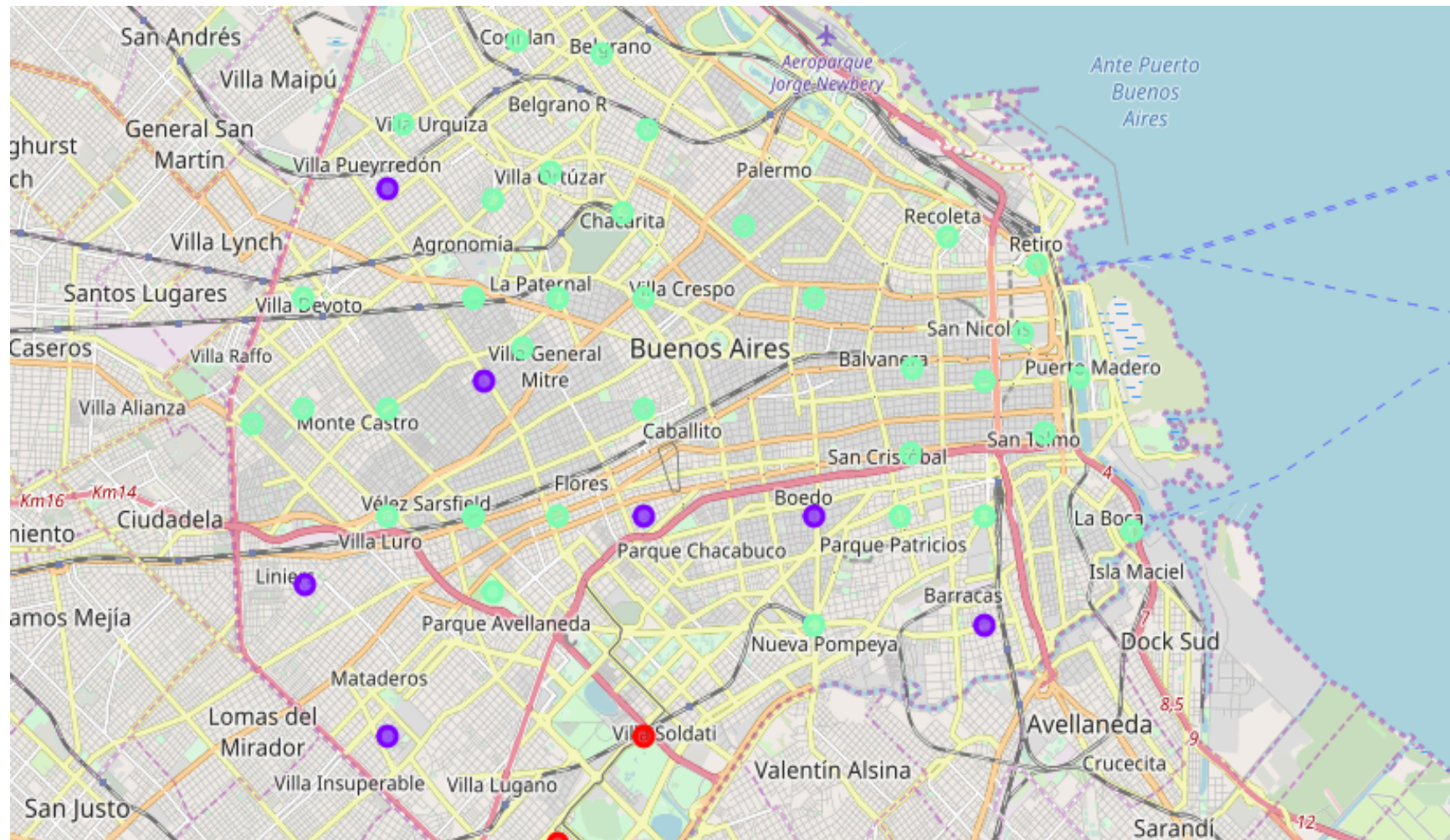
# Results

- Buenos Aires has 48 neighborhoods all having venues on Foursquare and 3 clusters.
- Buenos Aires has 185 unique venue categories.
- Montevideo has 61 neighborhoods with 49 having venues on Foursquare and 8 clusters.
- Montevideo has 135 unique venue categories.

# Results

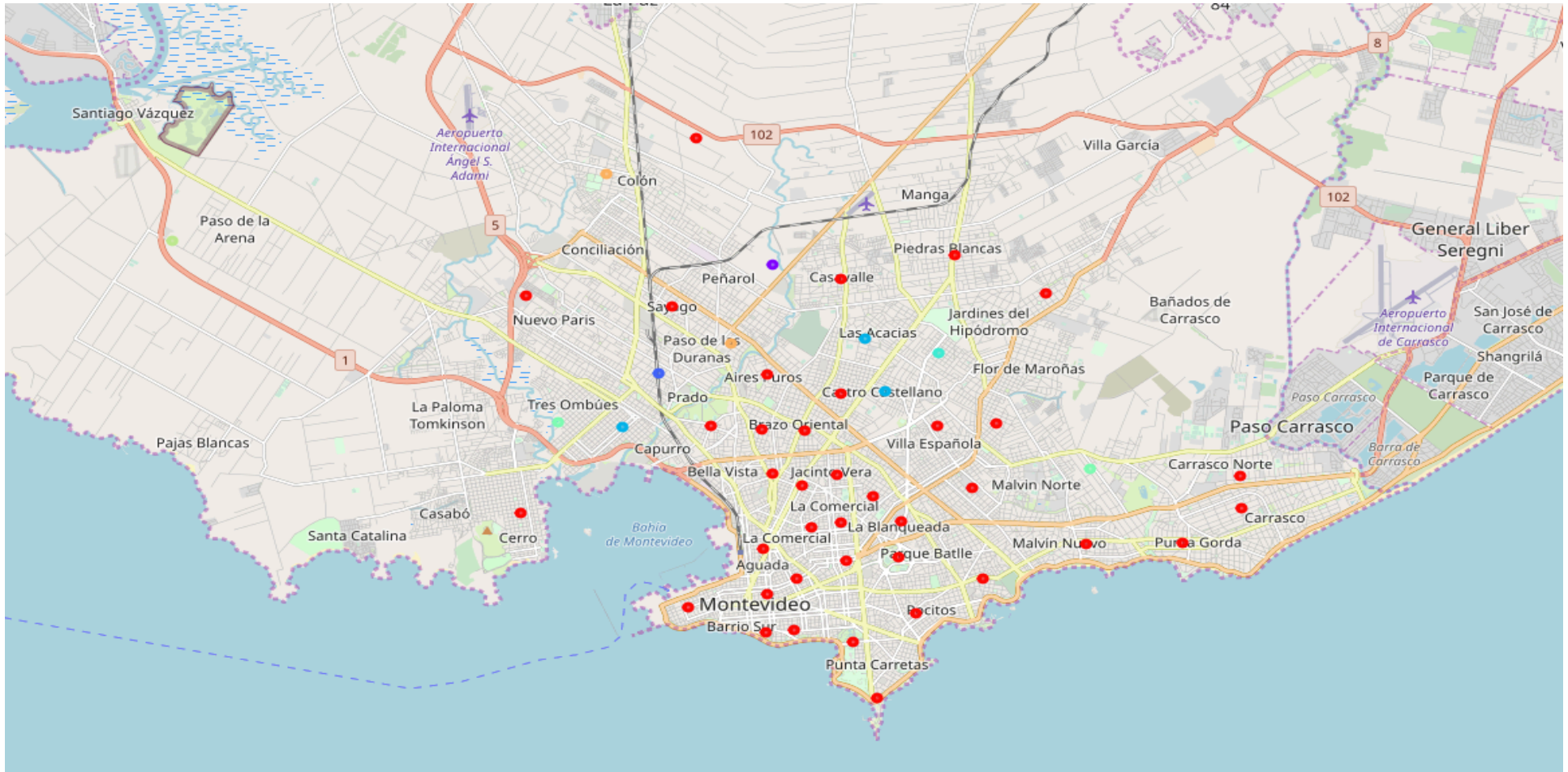
- Buenos Aires has 2 distinct clusters + a third cluster which is comprised of 2 neighborhoods on the periphery.
- Montevideo has 8 clusters which are essentially core city + periphery.

# Buenos Aires Neighborhoods





# Montevideo Neighborhoods





# Detailed Venue Information

- The accompanying report contains top 10 venue categories by neighborhood and by cluster.
- Due to the volume of the data, it is not reproduced here.

# Conclusion and Future Directions

- The report shows similar neighborhoods within Buenos Aires and Montevideo as well as summary information about venues.
- Clients can review the detailed information for specific venue types, which may be significant for their specific situation.
- Custom tailored reports can be produced based on client's individual preferences.