

Neighborhoods analyzed:

The Neighborhoods of this study model will be those of the South Zone of the city of Rio de Janeiro. Neighborhoods included:



Gávea

Leblon

Ipanema

Lagoa

Flamengo

Catete

Humaitá

Laranjeiras

Jardim Botânico

Copacabana

Leme

Botafogo

Urca

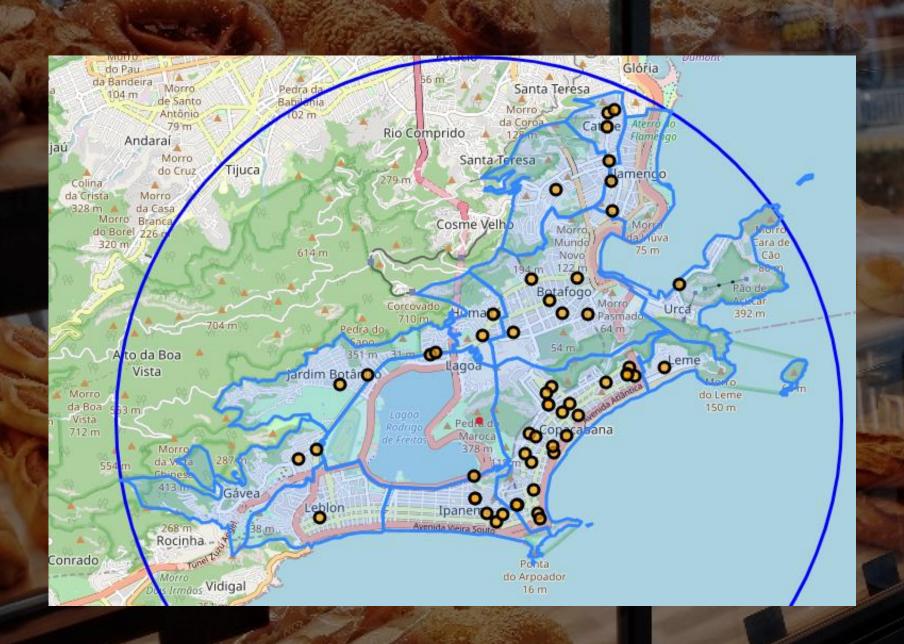
Data acquisition and cleaning

We used the API provided by the Foursquare to get information about the bakeries spread across the South Zone of the city of Rio de Janeiro

From Wikipedia, we were able to get the data of the population density and the HDI information. These data have as source the Rio de Janeiro's city hall.

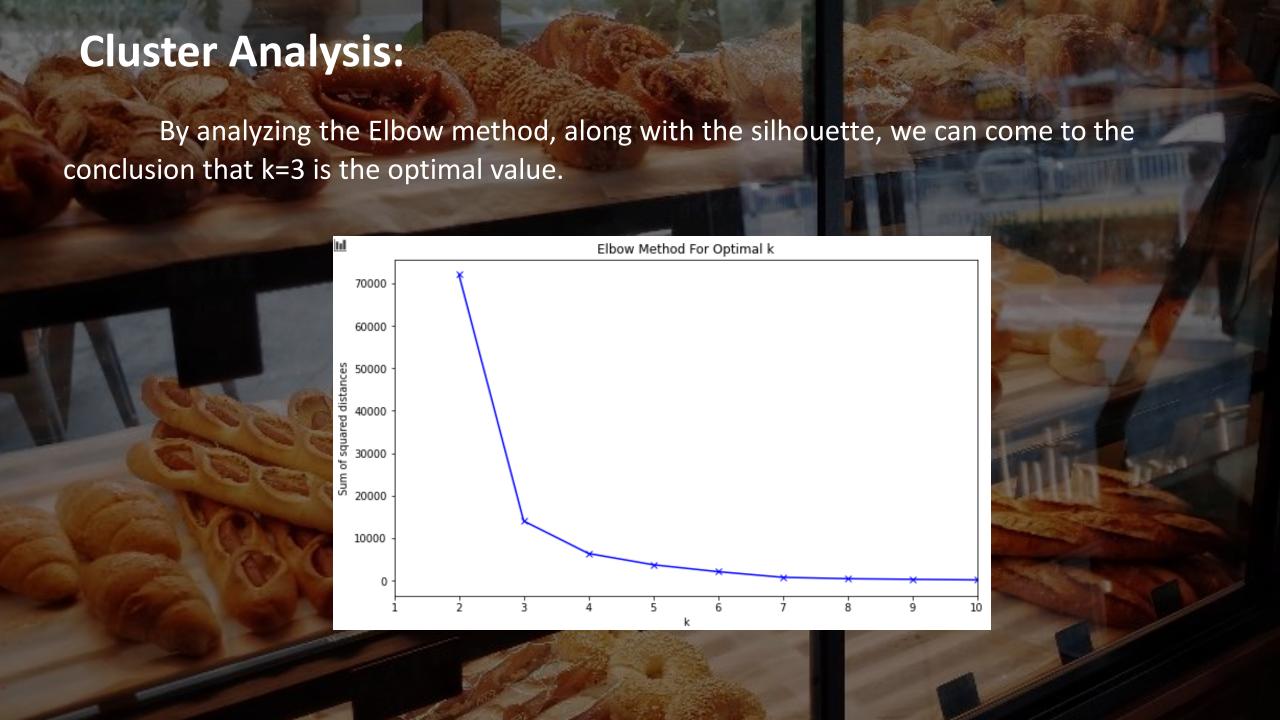


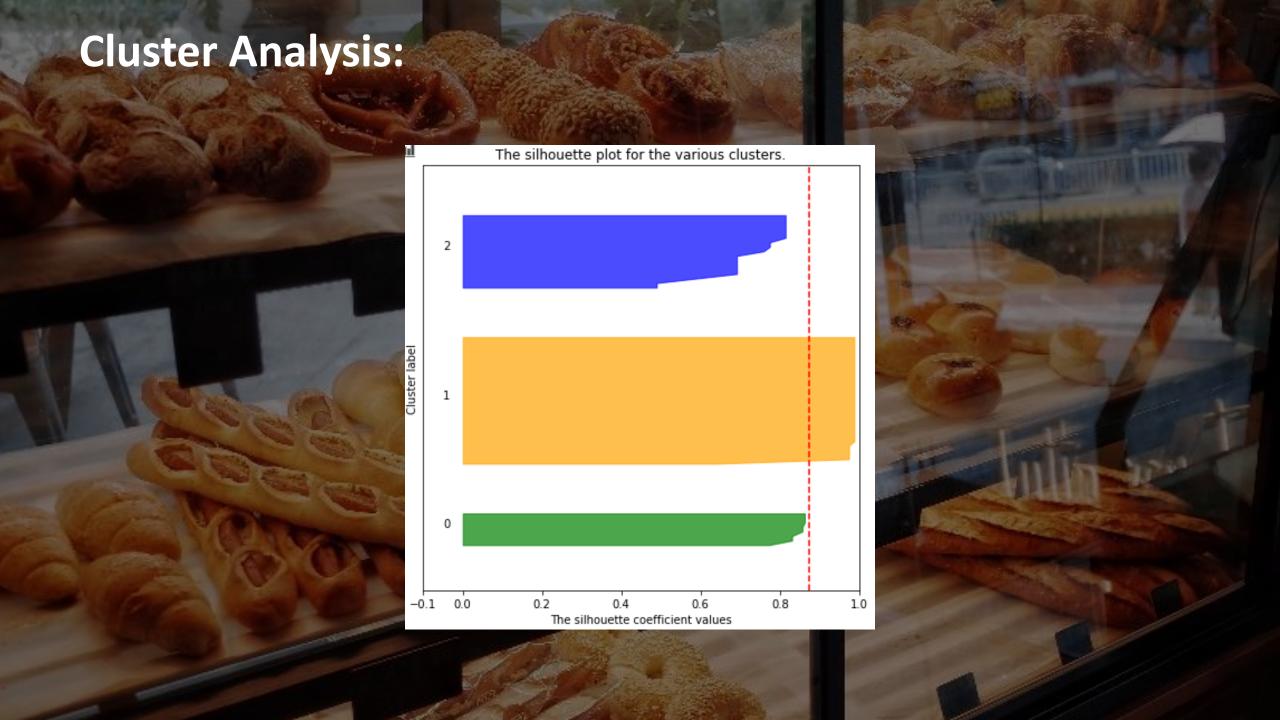
Concentration of bakeries in the South Zone



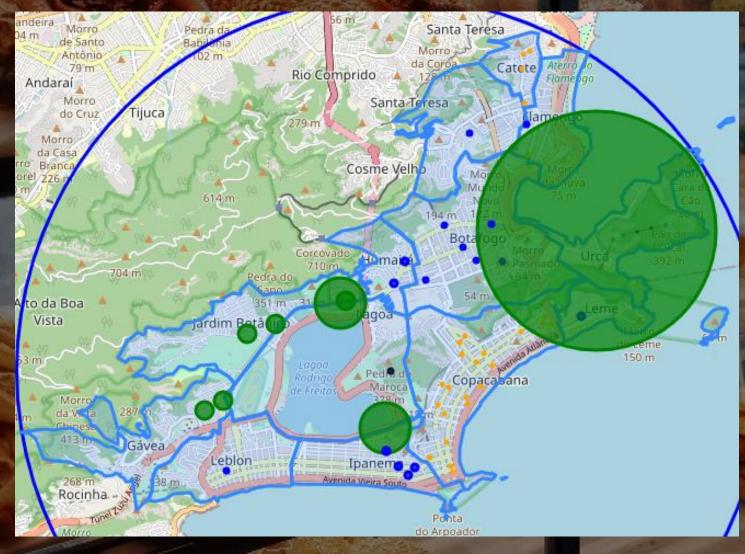
Bakeries weighted by the HDI and population density:







Map after applying k-means:



Comparison between clusters: Cluster 2 Cluster 1 Cluster 3 Gávea Jardim Botânico Urca Catete Copacabana Flamengo Humaitá Ipanema Laranjeiras Leme Neighborhoods Neighborhoods Neighborhoods

