



COVID-19 in Bogotá

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COVID-19

01

A lot of attention has been directed towards preventing this disease from becoming a tragedy

02

There is a great interest in gathering data in order to allocate resources appropriately

03

Mobility restrictions prevent the spread, but they also have a great impact in economics

Data

Data was gathered for three fundamental aspects

Location data

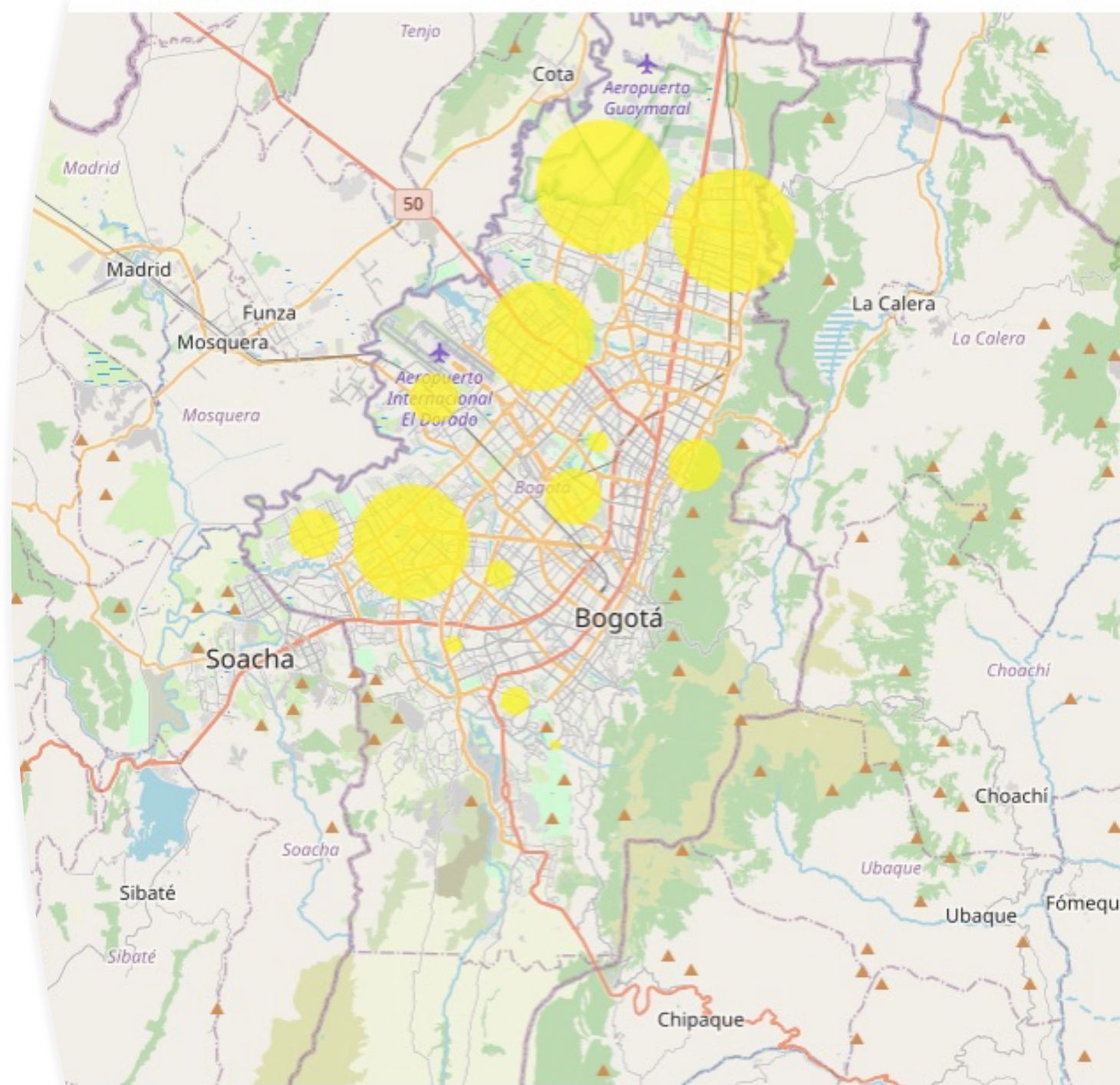
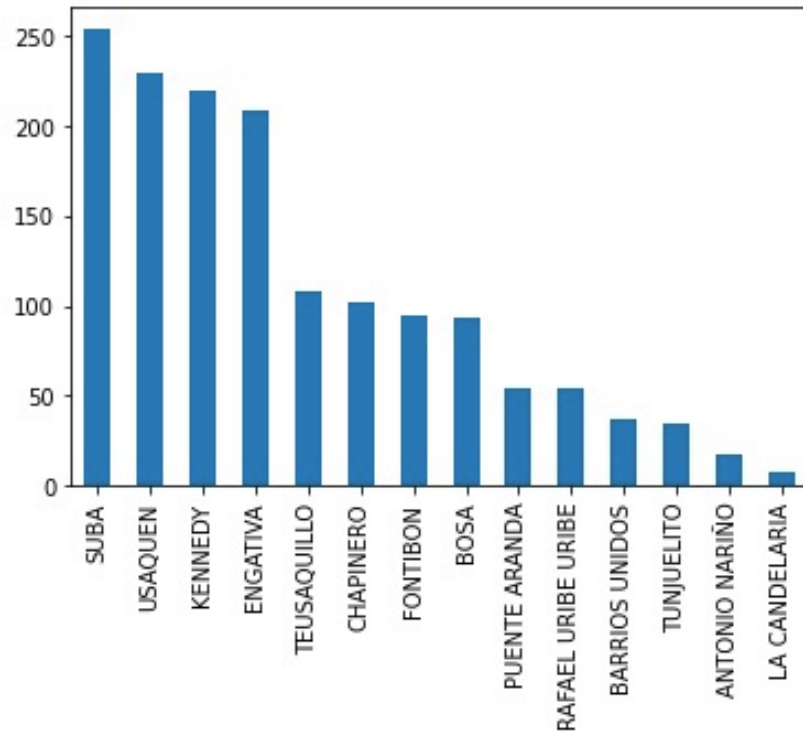
COVID cases

Type of venues
around the city

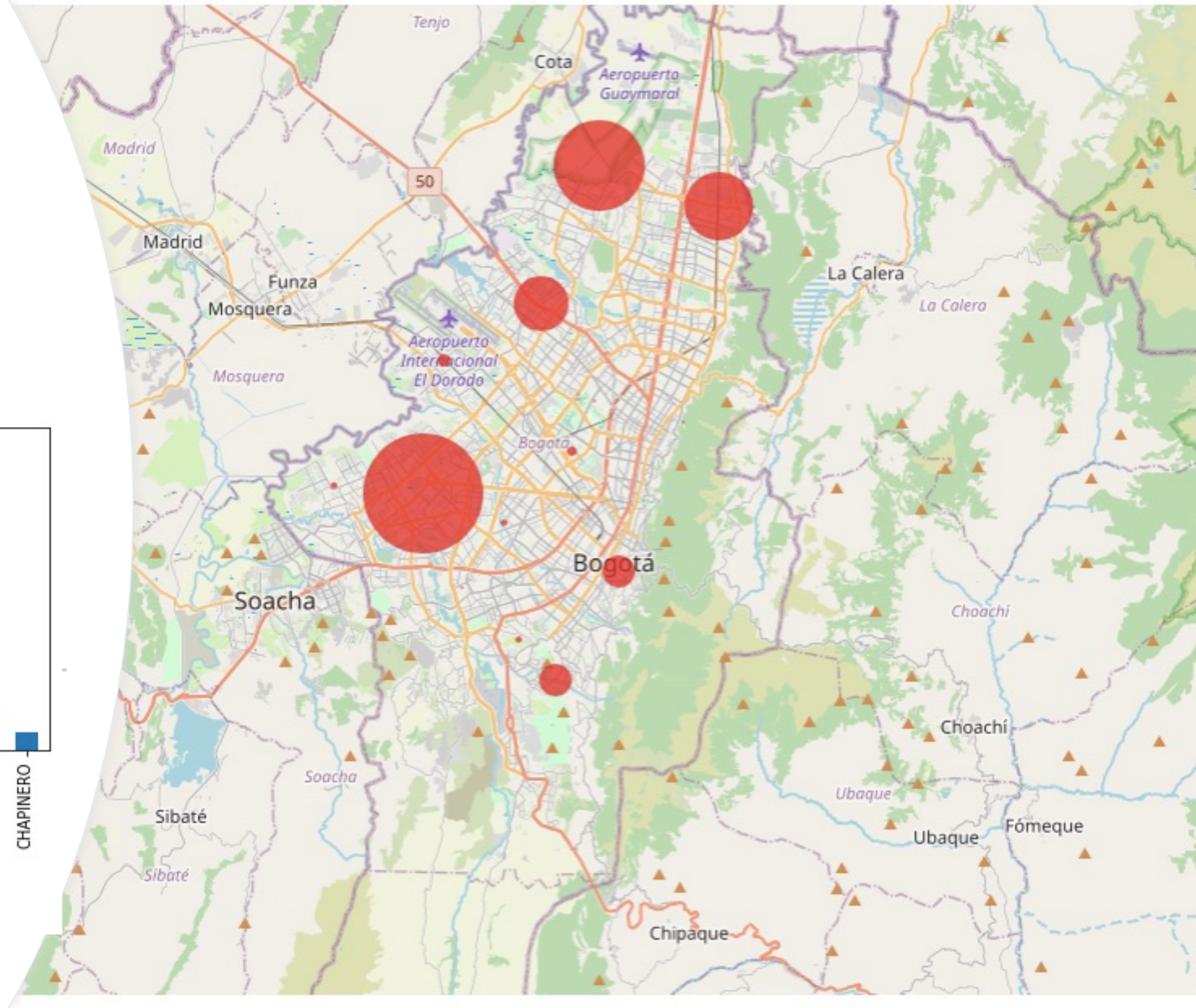
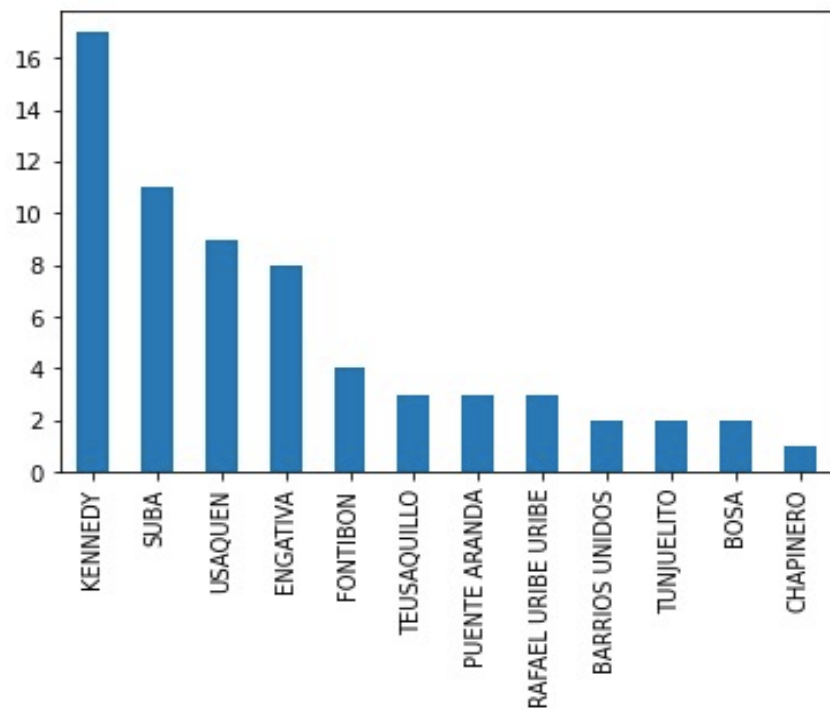


Data was cleaned to remove elements that were of no interest or redundant and empty cells

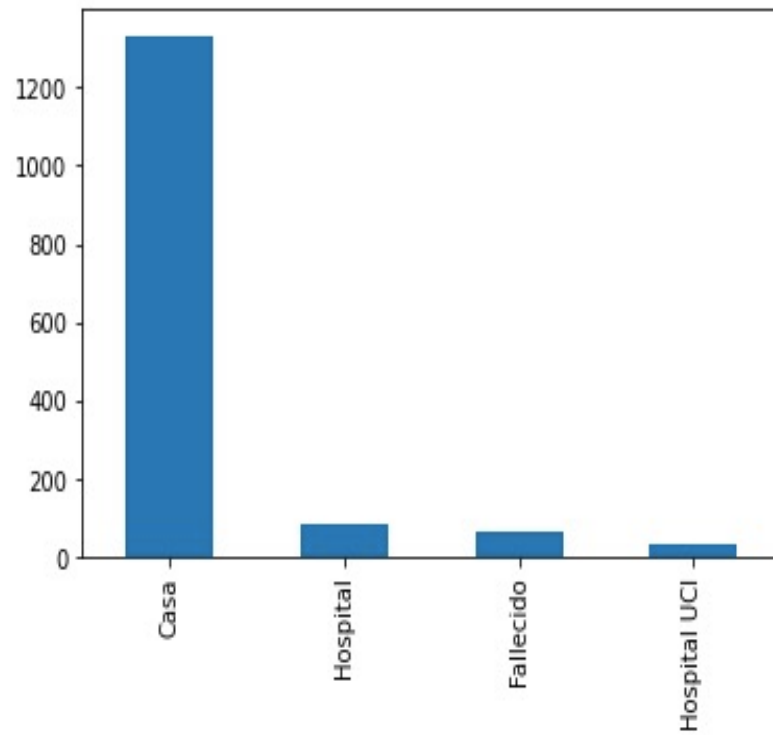
Number of cases by localidades



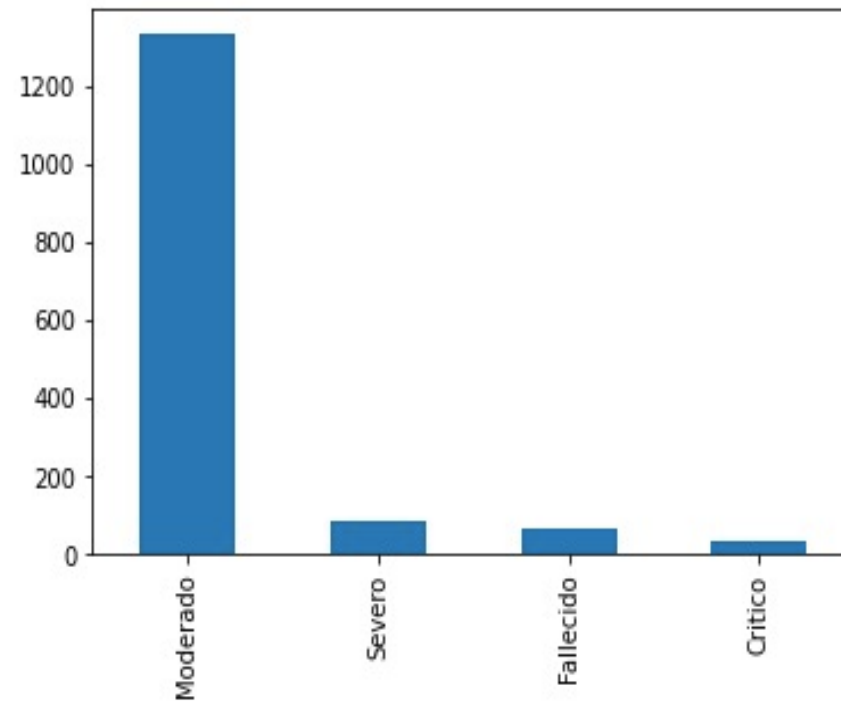
Number of deaths by localidades



Cases by location

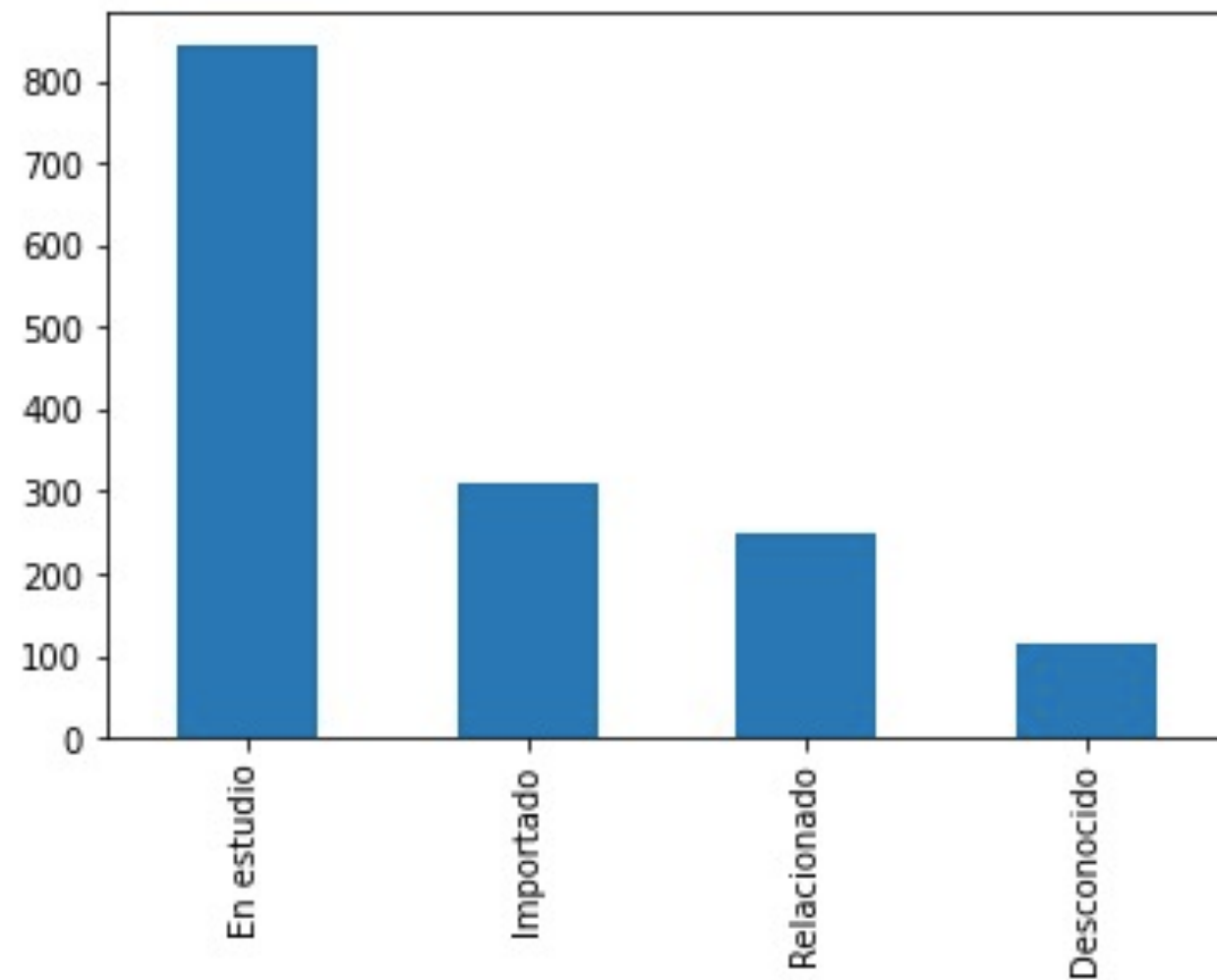


Cases by state





Cases by kind



Prediction model

	Jaccard	F1-score
Algorithm		
SVM	0.837545	0.827067
Logistic regression	0.898917	0.851066

Conclusions



People from localidades that are far are getting infected. May be due to the way people move across the city to work.



Death rate changes by localidad. Working class localidades seem to have a worse outcome.



Most of the cases are moderate and people can stay at home.



There are a lot of cases under study, but most of the others are imported.



Models with a good prediction may be produced in order to help decision makers.