**Santiago (CL) healthcare facilities location**

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# **Introduction**

Santiago de Chile is a growing city with a major increase in population during the last decades due to economic growth and immigrant population. That raises several issues, in particular healthcare problems specially in winter during the peak period of diseases. To address this problem, the city needs to allocate their resources to build more healthcare facilitates in locations where today are nonexistent or the only that exists are private facilities.

# **Business Problem**

It is needed to find the best location for the next healthcare facilities that are going to be built in Santiago and be able to attend the increased demand specially during the peak period.

* **Stakeholders**

Local government/authorities

* **Target Audience**

Santiago population

* **Reason to solve**

If the allocation of the new facilities are correct, the quality of life of thousands of people will be improved vastly during the peak period of deceases (winter)

# **Dataset**

The idea is to gather information of Population, Latitude, Longitude and Location of healthcare facilities for each Neighborhood in Santiago de Chile. To achieve this, the following sites/api are going to be used to gather information

* **Neighborhood and Population**

Source: Wikipedia <https://es.wikipedia.org/wiki/Anexo:Comunas_de_Santiago_de_Chile>

* **Latitude and Longitude for each Neighborhood**

Source : Geopy library

* **Information of the healthcare facilities**

Source : Foursquare API considering the venus in the category "Medical Center” <https://developer.foursquare.com/docs/resources/categories>

# **Methodology**

section which represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, and what machine learnings were used and why.

TODO – TODO – TODO – TODO – TODO

# **Results**

section where you discuss the results.

TODO – TODO – TODO – TODO – TODO

# **Discussion**

section where you discuss any observations you noted and any recommendations you can make based on the results.

TODO – TODO – TODO – TODO – TODO

# **Conclusions**

section where you conclude the report.

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