The battle of neighborhoods: finding a place for your gym

Week 1 - data

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Finding data sources

Being able to know where to search

A machine learning algorithm can start to train a model only with a certain amount of data.
One of the possibilities to get open data, is using the APIs released by Foursquare.
Foursquare is a social reviewing web platform which aggregates information about venues/POI around the world, with the contribution of its users.
Although the Foursquare free developer account, make it possible to make only a limited number of calls per day; those should be enough for demo purposes.

Data relatives to the places for rent in Bari, will be acquired by a popular Italian website (casa.it) making parametric calls and treating the results using webscrapping.

The other data will be provided by Wikipedia using webscrapping and the geojson map of the boroughs from the official website of the Bari Municipality.

Workflow

A step-by-step procedure

Begin

Gathering the data of the target city

Finding the venues associated to the business place candidates

Preparing the venues in Bari data for elaboration

Getting the venues from other Italian cities

Data preparation

Modelling

Using the model

Results

End