Battle of the neighbourhoods Week 1

Background

Someone wants to open up a new Italian restaurant. The prospective restaurant owner has picked two possible locations to do so, but he is unsure whether he will able to face the competition in these locations. He needs to know how many restaurants he will be competing with and how many of those are Italian, so he is interested in knowing how many restaurants there are within walking distance (1km). He is also interested in the ratings, since he is going to provide topquality food and is not worried about restaurants with lower scores.

Questions

- How many restaurants are within a 1 km radius of the prospective location?

- How many of those restaurants are Italian?

- What are the ratings of these restaurants?

Data

The relevant data can be retrieved from the Foursquare API, as this dataset contains all relevant location information about restaurants, as well their popularity among the public. The data in the Foursquare API contain detailed information relevant to answer this question. For instance, its use of geospatial data tells me how far particular venues are removed from each other.