IBM Data Science Professional

Battle of the Neighboor hoods

Capstone end project

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Introduction

Background
As a final assignment of the IBM data science professional course we need to make a report using data science to solve a problem. I choose to analyse a specific city and gather as much data from open sources to contribute to this problem/ questionnaire.

Problem
A entrepreneur wants to start a restaurant within The Hague and is looking for the best location to do so. He wants to start a Italian restaurant and also want to know where his competitors are located.

With the data the following questions need to be answered:

- What is the best neighborhood in The Hague to start the restaurant?
- Where are my competitors and placed?

Data

Used Data

I'm using the following datasources:

https://opendata.cbs.nl/statline/#/CBS/nl/dataset/84583NED/table?dl=3CD8E

This source is to get the average income per neighborhood and how many inhabitants

https://api.foursquare.com/v2/venues/explore?&client_id={}&client_secret={}&v={}&ll={},{}&radius={}&limit={}

To get the restaurants of that neighborhood and showing where competitors are located.

Data cleansing

Data analyses

Methodology

Results

Discussion

Conclusion