



Battle of the Neighborhoods in The Hague, NL



Introduction

“Where to find a family friendly Neighborhood to settle and buy a new house”.

The Hague is also known as the International City of Peace and Justice. Therefore, crime rates are an important measurement for me. Because of that the following data will be needed:

- Lowest crime rates in the Neighborhood
- Number of venues within 1500 meters of the Neighborhood



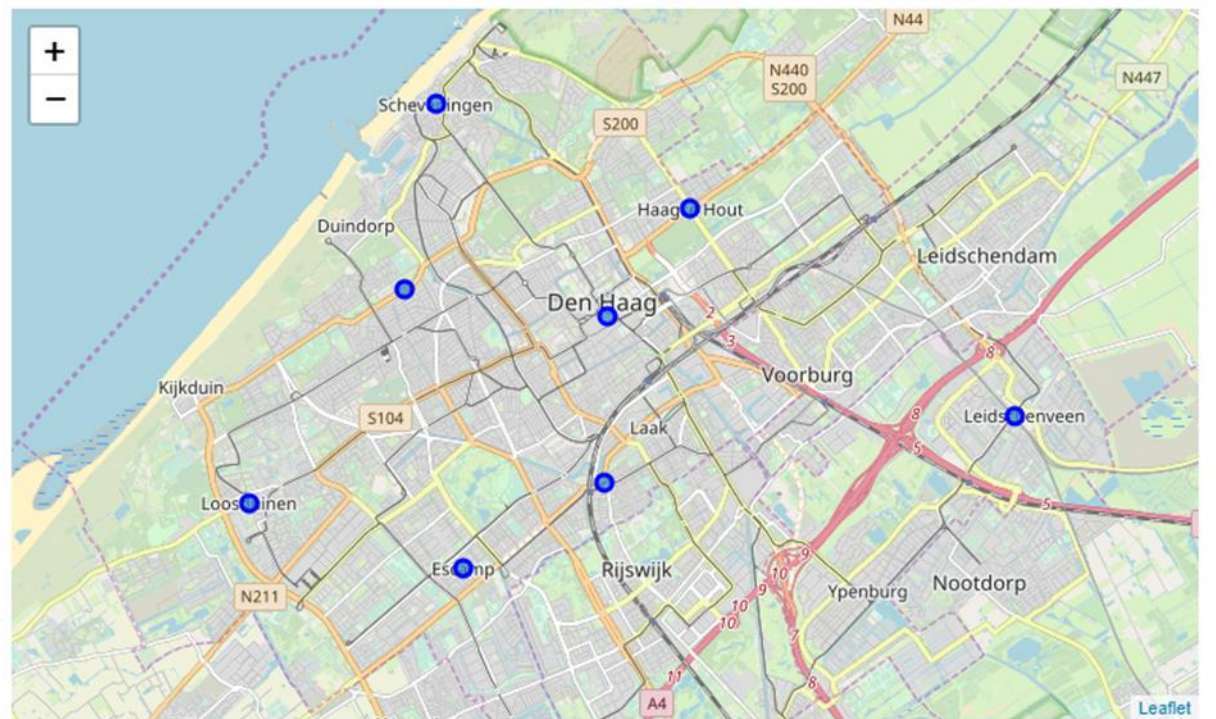
Data

- Different sources such as opendata.cbs.nl and Foursquare
- Python libraries such as Pandas, Requests, BeautifulSoup, Numpy, Geopy, Nominatim, Matplotlib, SKLearn, Folium

Neighborhoods

STADSDEEL	Latitude	Longitude
Laak	52.055940	4.311631
Loosduinen	52.053157	4.234828
Segbroek	52.081616	4.268620
Centrum	52.078080	4.312642
Escamp	52.044440	4.281246
Haagse Hout	52.092291	4.330432
Scheveningen	52.106207	4.275271
Leidschenveen-Ypenburg	52.064649	4.400574

Neighborhoods



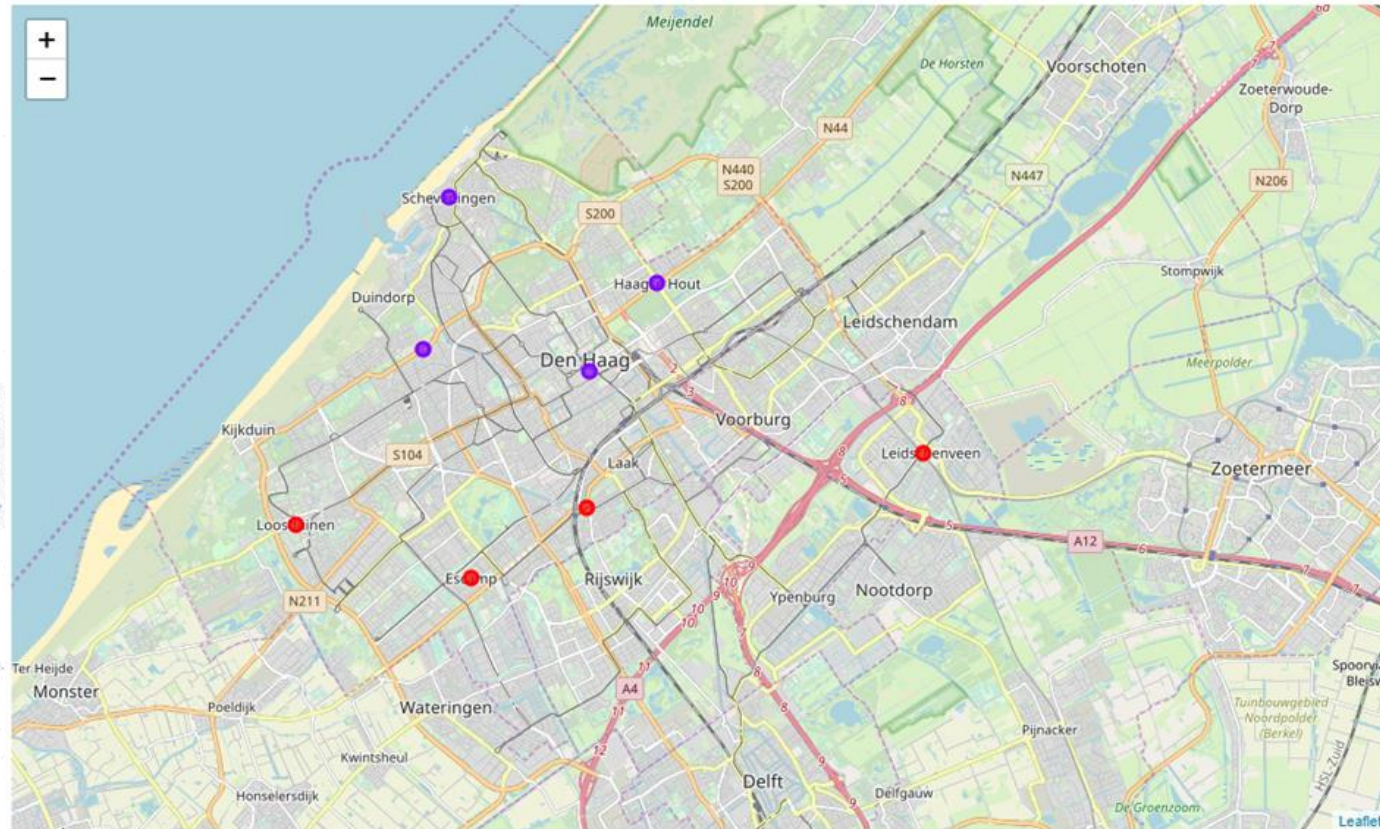
Crimes

Stadsdeel	Totaal_criminaliteit_3
Leidschenveen-Ypenburg	1318
Loosduinen	1701
HaagseHout	1841
Segbroek	2284
Scheveningen	2420
Laak	2583
Escamp	5339
Centrum	9865

Venues



Clustering



Results

	Neighborhood	Totaal_criminaliteit_3	Venue	Score
6	Scheveningen	2420.0	100.0	75.80
2	HaagseHout	1841.0	86.0	67.59
7	Segbroek	2284.0	69.0	46.16
5	Loosduinen	1701.0	52.0	34.99
4	Leidschenveen-Ypenburg	1318.0	38.0	24.82
3	Laak	2583.0	40.0	14.17
1	Escamp	5339.0	59.0	5.61
0	Centrum	9865.0	100.0	1.35



Discussion

The data used was on a global level with the total count of crimes and total count of venues. During the extraction of data it was clear that every Neighborhood consists of boroughs. Together there are 44 boroughs in The Hague. These borough could help to give more insight and detailed data of each Neighborhood.

The crime rates are based on a total. These numbers could be more specified by category or as a percentage of total/number per 1000 residents.

Venues could be more clustered/segmented by category to give more detailed information or a better rating to the Neighborhoods.

Conclusion

The Neighborhood of Scheveningen is the best fit out of the data. With the high number of venues and a reasonable score on crimes Scheveningen scores the highest on the research. If crime is more important, HaagseHout is a very good number 2 with lots of venues and a lower number of crimes.