

The background features abstract, overlapping green geometric shapes in various shades, primarily on the left and right sides, framing the central text.

Living in the city of Eindhoven

Capstone project by Abhishek Varshney

Eindhoven (pop 229.637)

Currently I'm living in the neighbourhood of Prinsejagt, in the City of Eindhoven.
Unfortunately I'm forced to move, but I like to be in a similar neighbourhood.

Purpose:

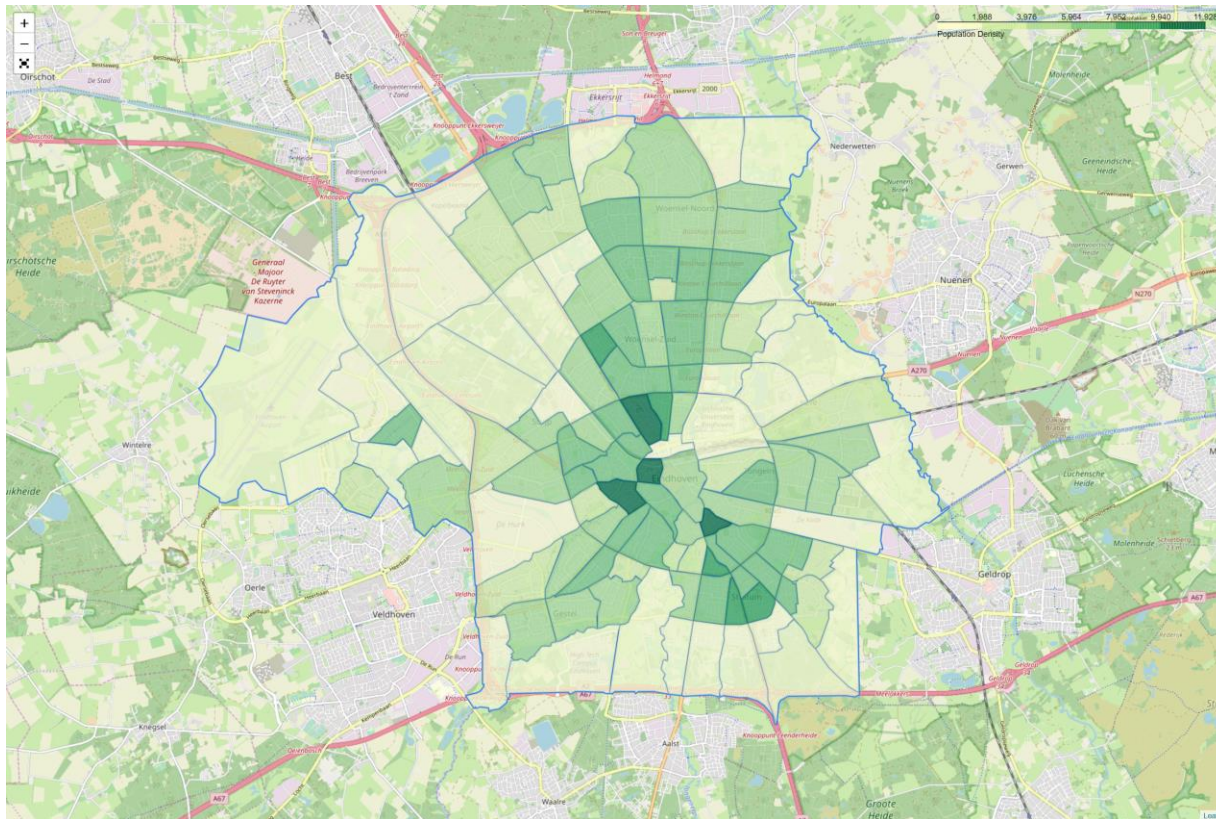
Find a new neighbourhood to live in.

Data

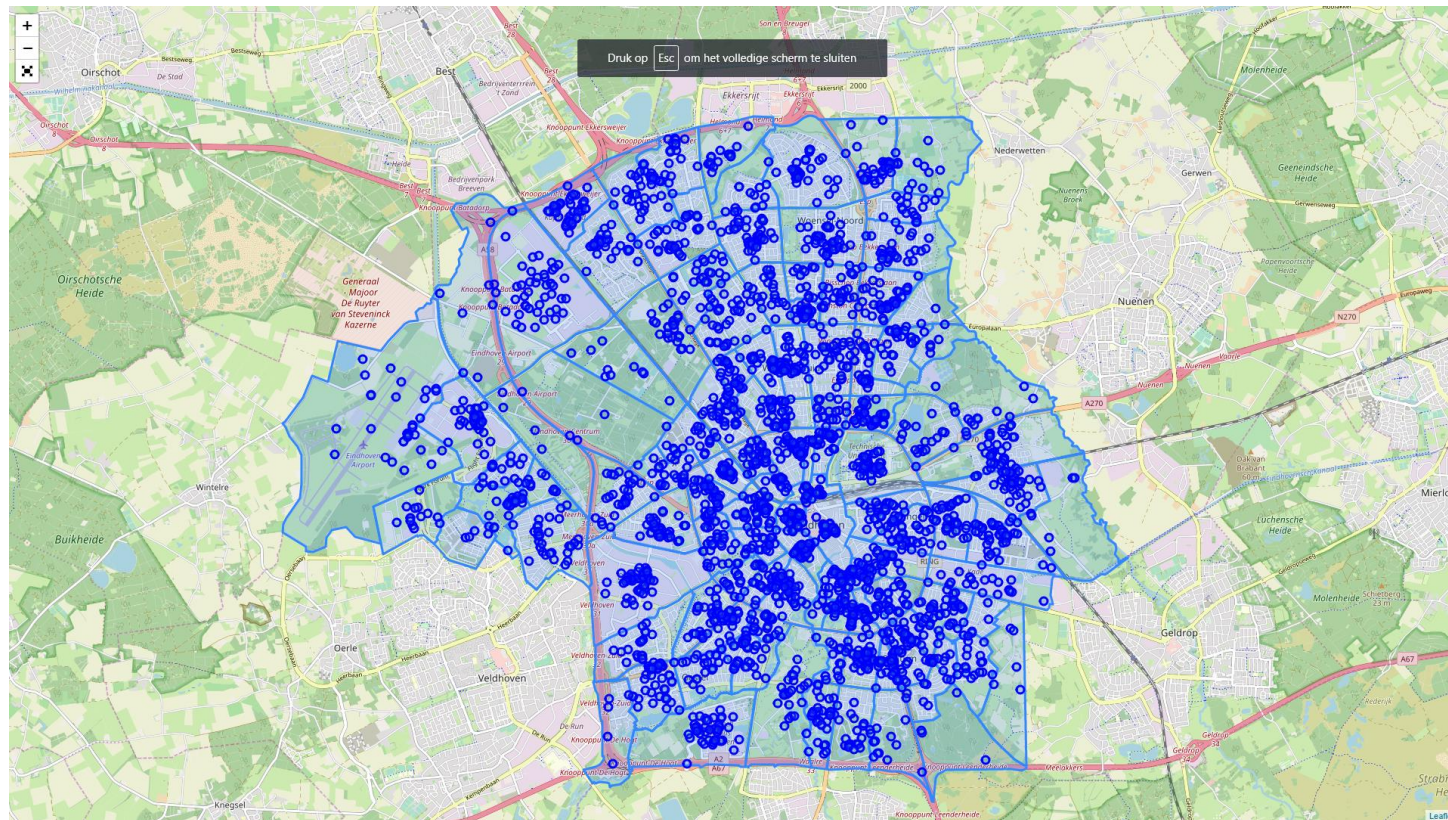
We are using the following datasets for analysis:

- ▶ A list of neighbourhoods in Eindhoven ([link](#)).
 - ▶ Name of neighbourhood (buurt), residential areas (wijken) and boroughs (stadsdeel) within Eindhoven,
 - ▶ their geographic coordinates,
 - ▶ their borders in GeoJSON format.
- ▶ A table of key figures about the various neighbourhoods ([link](#)),
 - ▶ population, population density, area, amount of house
- ▶ Foursquare

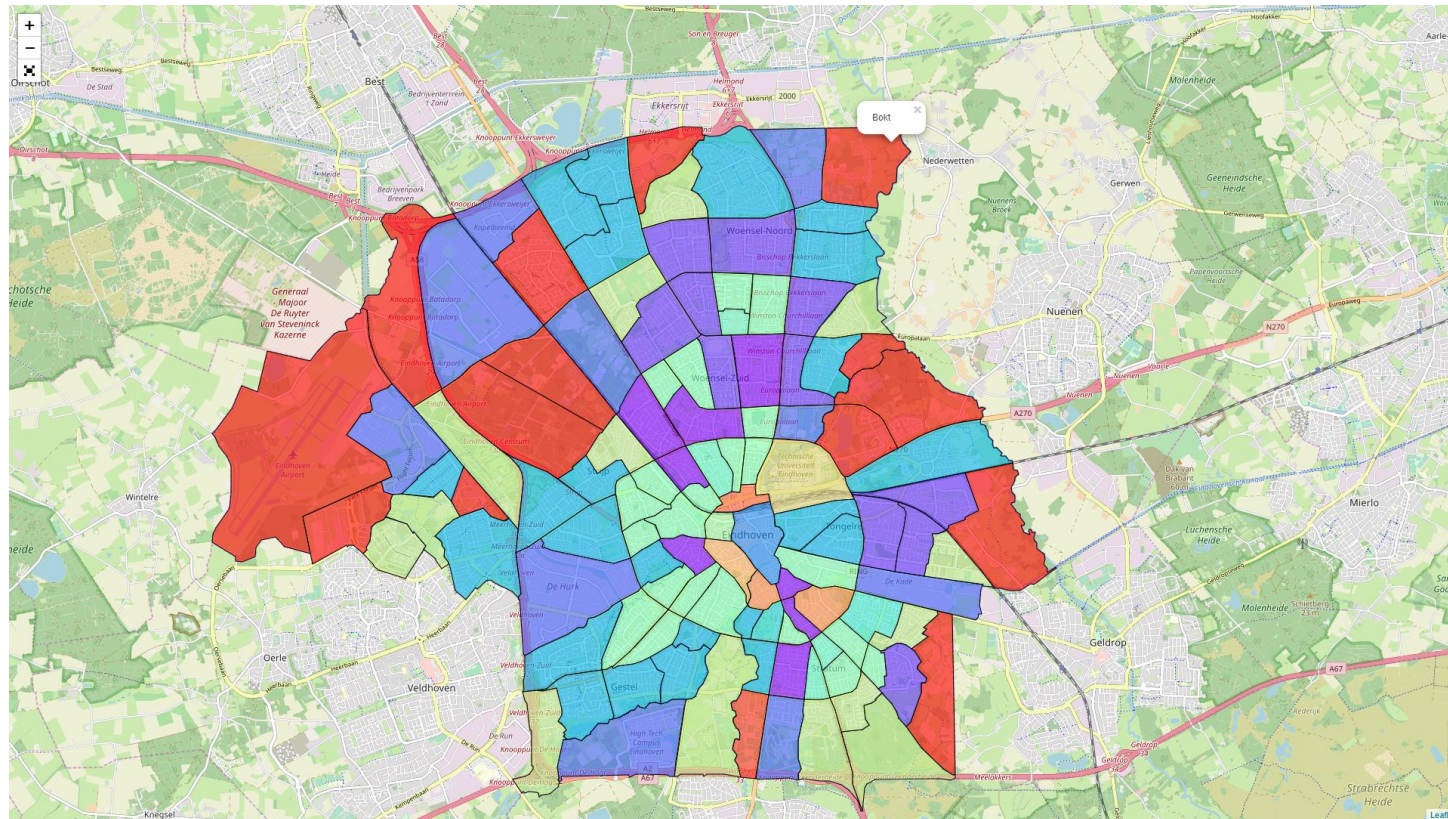
Map of Eindhoven



Venues on Foursquare



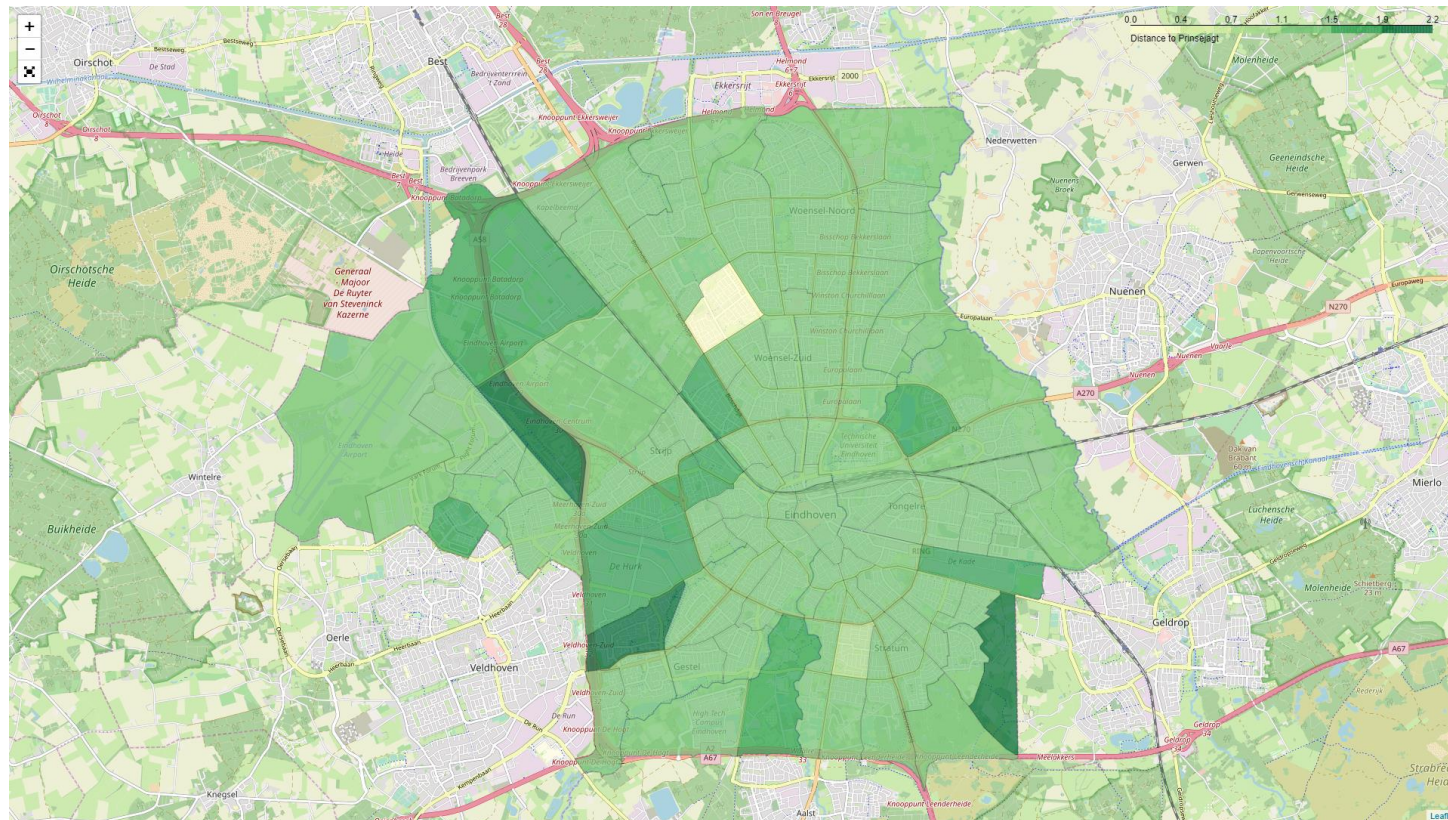
Clustering of neighbourhoods



Decision tree and important features

index		Feature	Importance
0	7	Residence	0.173324
1	3	Food	0.159126
2	0	Arts & Entertainment	0.156455
3	4	Nightlife Spot	0.140008
4	9	Travel & Transport	0.122639
5	8	Shop & Service	0.109035
6	1	College & University	0.067309
7	5	Outdoors & Recreation	0.060324
8	2	Event	0.008999
9	6	Professional & Other Places	0.002781

Difference from Prinsejagt



Choices

	Buurtnaam	Residence	Food	Arts & Entertainment	Nightlife Spot	Travel & Transport
0	Prinsejagt	3	0	1	3	1
1	Gerardusplein	2	6	2	4	0
2	Muschberg, Geestenberg	2	2	1	2	1
3	Burghplan	1	2	1	4	4
4	Koudenhoven	0	1	0	1	1

Final choice: Burghplan

- ▶ Buurt Burghplan
- ▶ Population 6100
- ▶ Common venues:
 1. Professional & Other places
 2. Shop & Service
 3. Outdoors & Recreation
 4. Travel & Transport
 5. Nightlife Spot

