

The background features abstract, overlapping green geometric shapes in various shades of green, creating a modern and dynamic visual effect. The shapes are primarily triangular and polygonal, with some areas appearing more translucent than others.

# Living in the city of Eindhoven

Capstone project by Peter van Liesdonk

# 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:**

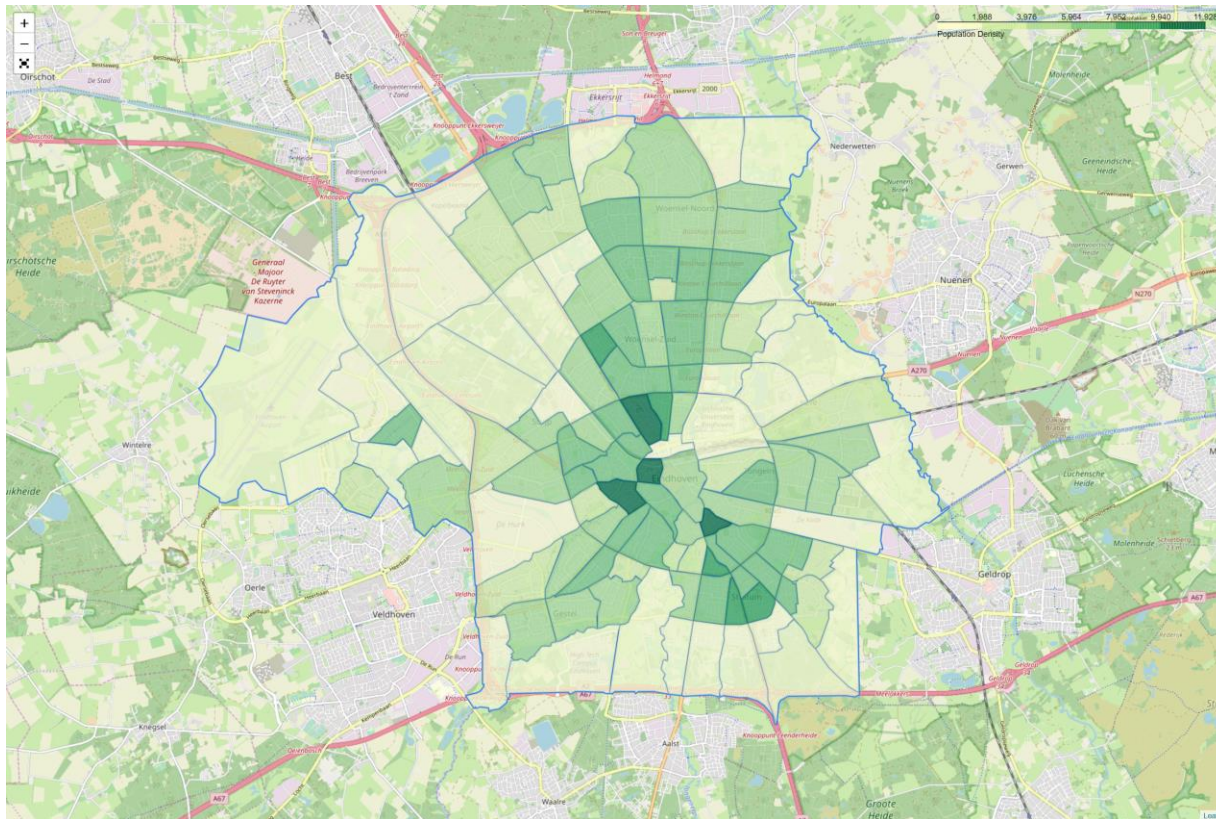
Find a new neighbourhood to live in.

# Data

We are using the following datasets for analysis:

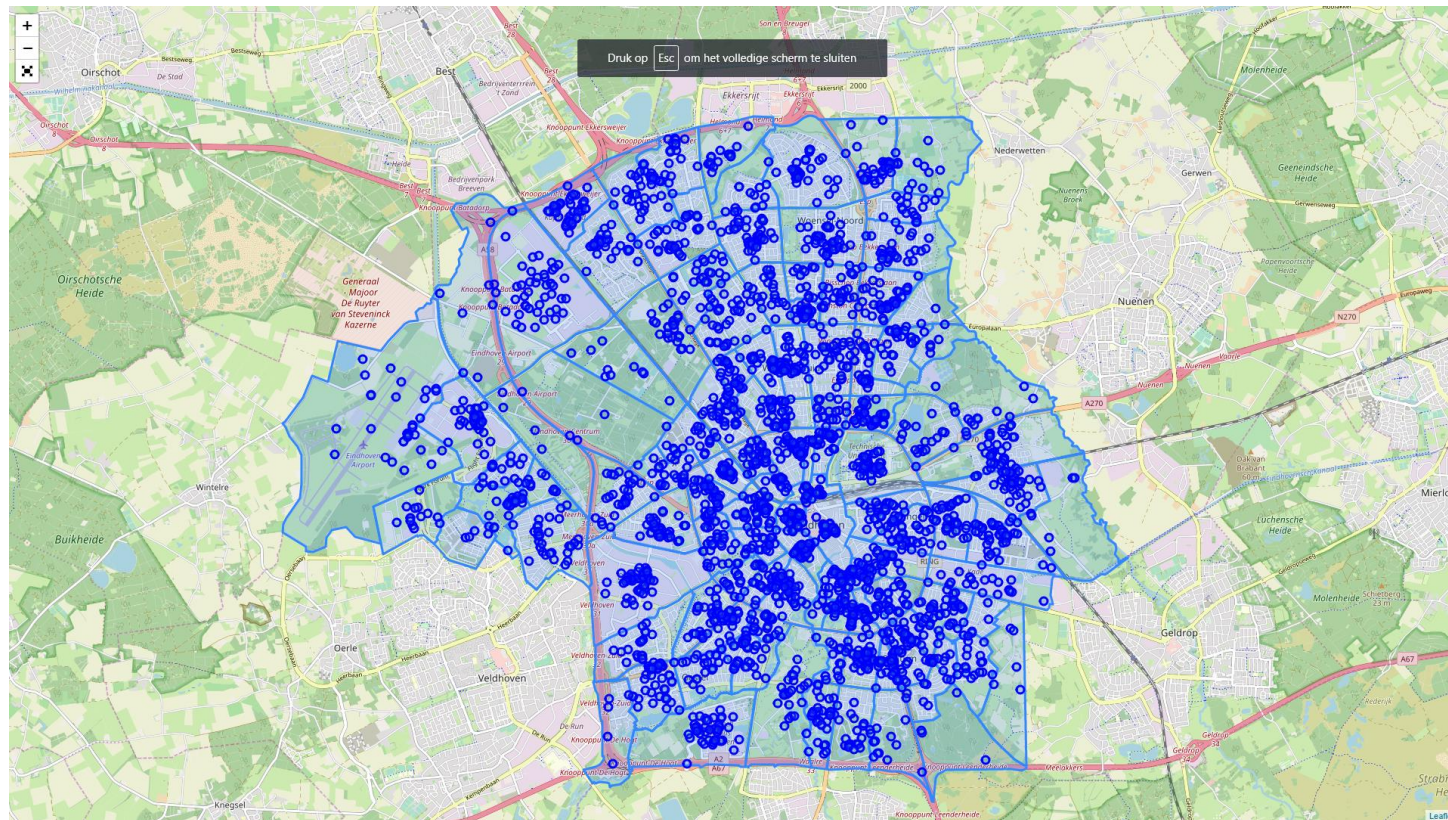
- ▶ A list of neighbourhoods in Eindhoven ([link](#)).
  - ▶ Name of neighbourhood (buurt), residential areas (wijken) and boroughs (stadsdeel) within Eindhoven,
  - ▶ their geographic coordinates,
  - ▶ their borders in GeoJSON format.
- ▶ A table of key figures about the various neighbourhoods ([link](#)),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

# Map of Eindhoven



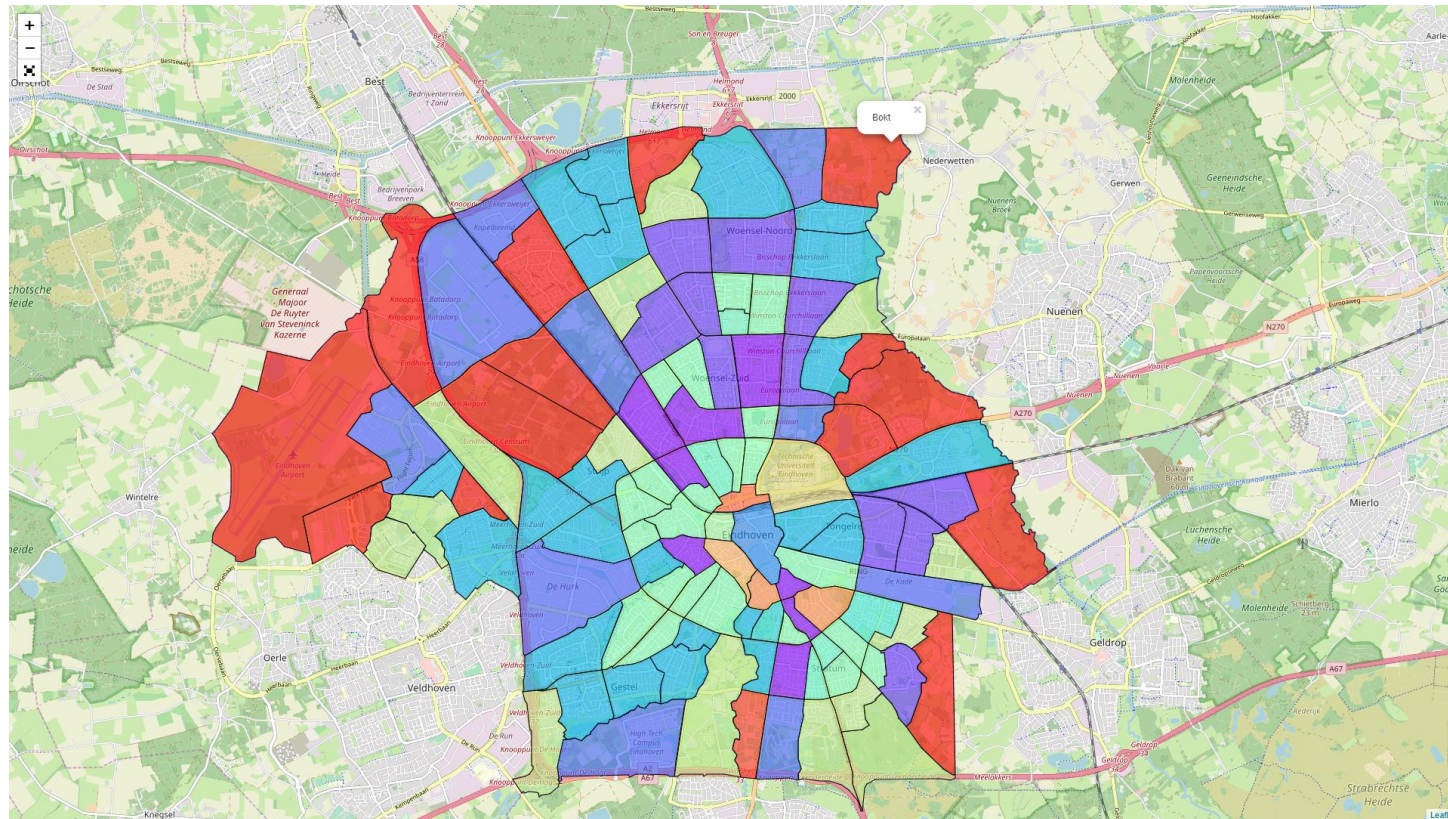


# Venues on Foursquare





# Clustering of neighbourhoods

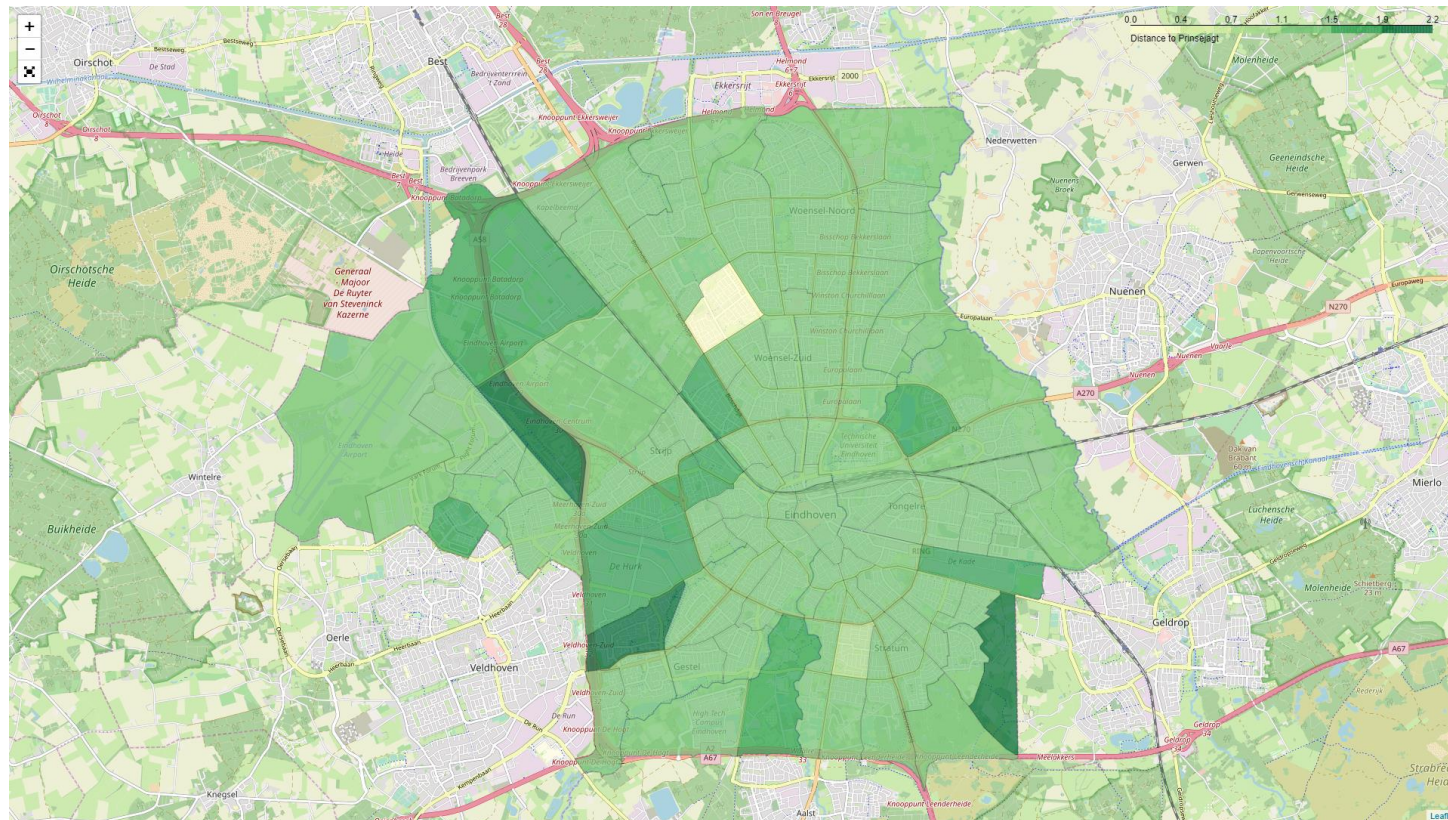


# Decision tree and important features

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

