

Background and aim

- Yoga is popular
- Positive effects, e.g.:
 - → Quality of life
 - → Academic performances
 - → Stress, anxiety, depression
 - → Pain
 - → Sleep patterns
- More yoga studios is beneficial
- What is the right spot in Calgary?

Data acquisition and processing

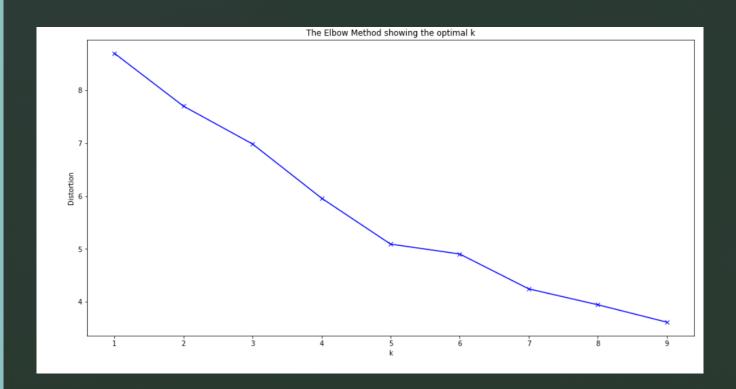
- Wikipedia dataset
 - → Postal codes
 - → Boroughs
 - → Neighborhoods
 - → Coordinates
- Delete missing values
- Foursquare API
 - → Nearby venues
 - → One hot encoding



Analyses

- K-means clustering on neighborhoods
- Top 10 venues
- Elbow plot
- Division of yoga studios

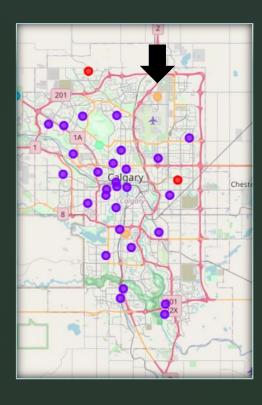
Results

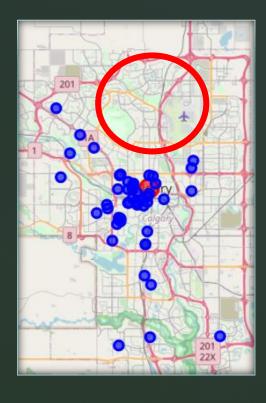


- Not really a good plot
- K = 5

Clusters and division

- 5 clusters
- Most neighbodhoods in cluster 2 (purple)
- No yoga studios in
 Northeast Calgary
 → orange dot and red circle





Advise

Start up of a yoga studio in Northeast Calgary

Research suggestions

- Other analysis methods such as DBSCAN
- Look into preferences and needs in Northeast Calgary