Best Suited
Districts of Tallinn
for Families

Capstone Project - The Battle of Neighborhoods

Problem & the goal of the project

★ Districts in Tallinn have their own, somewhat different character. Some districts have similar building concentration by function, for example can be dominated by industrial buildings or residential buildings.

★ Families want to choose most suitable location for living. Most families with children might find neighbourhoods with many play areas, schools and kindergartens more preferable. Families without children might prefer to live close to work, fitness centers and so on. Development companies may as well find it useful to know which locations are prefered by families.

★ Goal of the project was to analyse which neighbourhoods of Tallinn had most families residing and whether or not certain types of venues played role in this way of distribution.

Data

Description:
★   Number of families per neighbourhood

★   Number of families with children per neighbourhood

★   Number of venues within venue category per neighbourhood

Data Sources:
➢ State Statistical Central Bureau
    ○   population and housing census
➢ Wikipedia
    ○   Districts names,areas, coordinates
➢ Geoportal
    ○   Shape file for compiling geojson to put districts layer on map
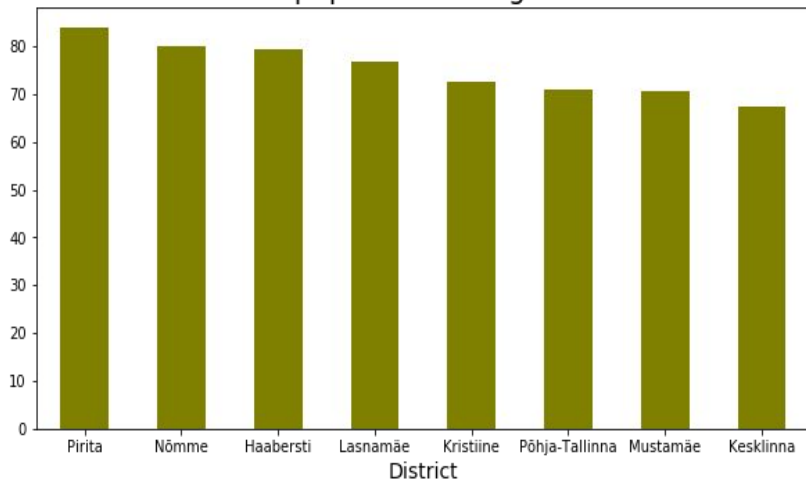➢ Foursquare
    ○   Venue data

Method

1. Identifying which districts are mostly prefered by families and families with children

2. Understand which type of venues were more common within each district

3. What is the correlation between share of families(with children or without) and certain venue categories.
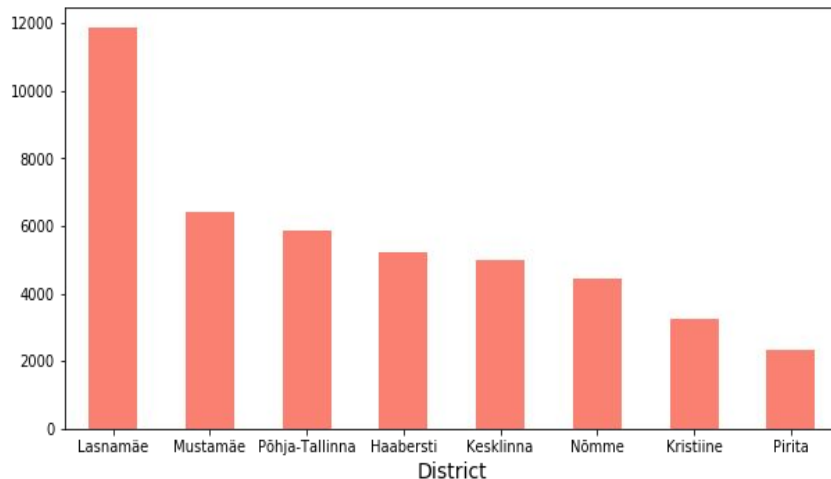
Results

★ Pirita is the district with highest share of population living in families
★ Lasnamäe is the district with most number of families with underage children
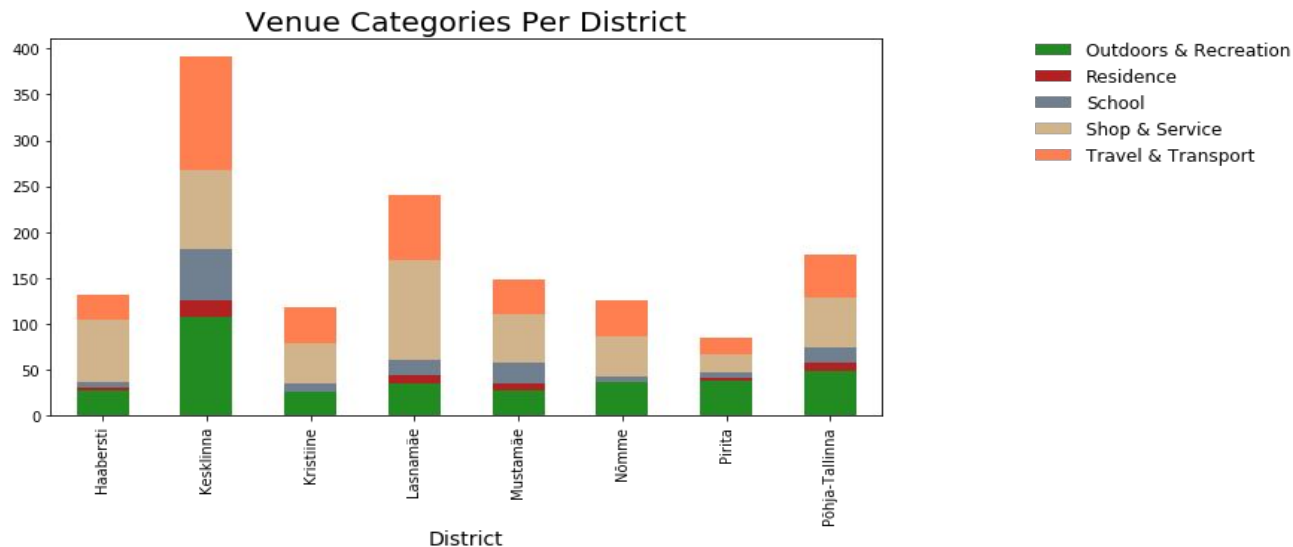

Share of population living in families
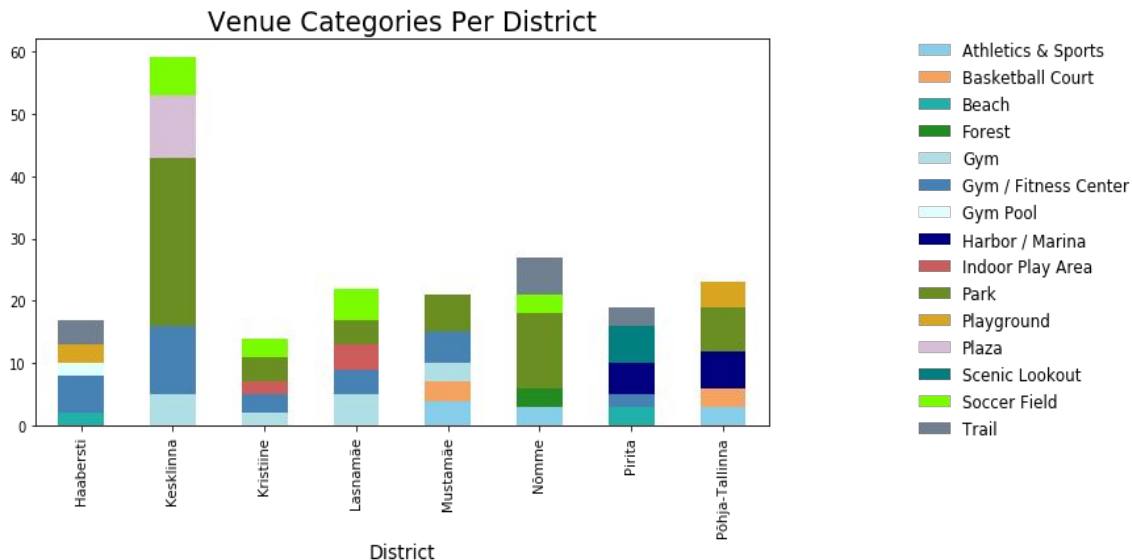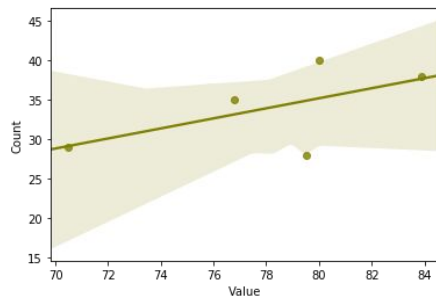

Number of families with children

Results

★ Venues categories 'Shop & Services' and 'Travel & Transport' are most frequent type of venues in all districts of Tallinn except Pirita, which has highest number of 'Outdoors & Recreation' type of venues.

Venue Categories Per District

Legend:
- Outdoors & Recreation
- Residence
- School
- Shop & Service
- Travel & Transport

Results

★ Venues in category of 'Outdoors & Recreation' are positively correlating with share of population living in families within districts that had high concentration of families residing. (Pirita, Haabersti, Nõmme, Läsnamae)

Venue Categories Per District

Conclusion

Within this project has been completed next:

➢ Analyzed which Tallinn districts are prefered by families to reside

➢ Explored different venue categories within those districts

➢ Relationship between venue categories and districts with high share of families were examined.