

2. Data Understanding

The expected dataframe should consist of the following features:

- Quarter
- Latitude
- Longitude
- Population
- Price per m^2m^2
- Population under 18 in %
- Population over 64 in %
- Venues in the Quarter

To analyze and find suitable quarters for the cafe the above features can be obtained by different sources:

1. Quarters: Names of the quarters of Hamburg with additional information about the demographics of the quarters, such as population and price per m^2m^2 . This information can be obtained under: <http://suche.transparenz.hamburg.de/dataset/stadtteil-profile-hamburg4?forceWeb=true>
2. Location of the Quarters: This can be found with the use of Geocoder.
3. Foresquare: It is a local search-and-discover service which provides information on different types of entertainment, drinking and dining venues. Foresquare can be accessed by an API.

Furthermore, the data has to be inspected, cleaned and structured.