Data

Berlin is divided into 12 different Boroughs or neighbourhoods. The data regarding the different Boroughs with their population was extracted from Wikipedia. The link of the extracted data is (https://en.wikipedia.org/wiki/Boroughs_and_neighborhoods_of_Berlin). The following fields were extracted: Name of Borough, Population, Area in Sq. Km and Population Density per Sq. Km. The Latitude-Longitude details for each borough was obtained by using Nominatim.

To explore and recommended locations across different boroughs according to the presence of other restaurants, data was obtained through FourSquare API interface and it was arranged as a dataframe for visualization. The following fields were extracted from FourSquare API: Name of Venue, Venue Latitude, Venue Longitude and Venue Category. By merging data on Berlin Boroughs and data of existing restaurants in a Borough from FourSquare API interface and further by using the k-Means Clustering method, recommended location options are provided for the new restaurant.