

Feasibility Study to Open/Invest a Restaurant in Berlin Districts

1. Introduction

Berlin is Germany's most international city, a capital with a tolerant, worldly population that celebrates its diversity in street festivals and various ethnic restaurants in the city. Berlin is indeed international: 13% of its population has a non-German background; therefore different cuisines are located in the city.



In this project we will make a feasibility study about various cuisines location through Berlin districts. According to project outcomes, we may decide which parts of the city is better for which kind of restaurant business opportunities. With the right choice of the location we may increase the profit from restaurant business.

Target Audience

Project outcomes may be helpful for following audiences:

- Business people who would like to make investment or open a restaurant in Berlin. The results will be a useful guide to decide the location area of the restaurant.

- People who is interested in data science & analysis and machine learning techniques and also people who would like to see data analysis about restaurants in Berlin districts.

2. Data Acquisition and Preparation

We will use following data for our analysis:

- Wikipage (https://en.wikipedia.org/wiki/Demographics_of_Berlin#Boroughs) to get information about Boroughs (Districts) of Berlin. We will read the data table which has the information from this webpage.

Borough	Population 2010	Area in km ²
Mitte	332,100	39.47
Friedrichshain-Kreuzberg	268,831	20.16
Pankow	368,956	103.01
Charlottenburg-Wilmersdorf	320,014	64.72
Spandau	225,420	91.91
Steglitz-Zehlendorf	293,989	102.50
Tempelhof-Schöneberg	335,060	53.09
Neukölln	310,283	44.93
Treptow-Köpenick	241,335	168.42
Marzahn-Hellersdorf	248,264	61.74
Lichtenberg	259,881	52.29
Reinickendorf	240,454	89.46
Total Berlin	3,450,889	891.82

- Foursquare API(<https://developer.foursquare.com/docs>) to get location and other information about various venues in Berlin. By using Foursquare's API, we will get following details of venues located in Berlin:
 - ❖ Name: The name of the venue.
 - ❖ Category: The category type as defined by the API.
 - ❖ Latitude: The latitude value of the venue.
 - ❖ Longitude: The longitude value of the venue.