Perfect Beer Bar Location in Paris

Project description

Paris is a big and beautiful city, perfect place both for living and visiting. It would be nice to have a nice and particular bar with local beers where people can spend good time.
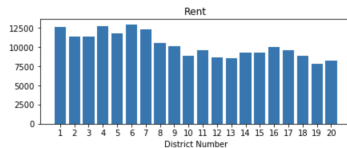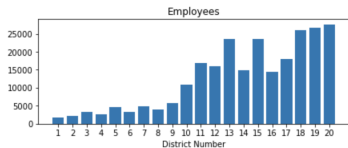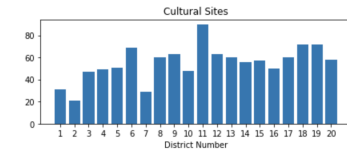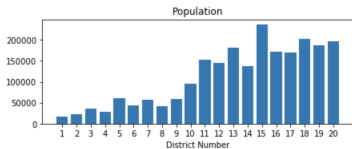**But what is the best location for a new bar?**

Data description

The city consists of 20 districts. In order to find the best location, it is worth to study distribution of some features among them. For this analysis, one can choose:

- District number and its zip code (Number and Post Code)
- Number of inhabitants (Population)
- Amount of cultural sites in a district (Cultural sites)
- Working population of a district (Employees)
- Rent (Cost)

Data distribution

The collected data has diverse distribution of features among districts

Analysis of data and best location

We combine the data to get a district score:

Score = Population + Cultural sites + Employees - Cost

	Number	Post Code	Population	Cultural Sites	Employees	Cost	Score
14	15	75015	236715	57	23545	9350	250967
17	18	75018	202685	72	25977	8890	219844
19	20	75020	196880	58	27667	8240	216365

We conclude that districts 15,18 and 20 are potentially better for setting up a bar.

Results and future directions

We managed to find the best location based on available date. According to the present model, districts 15,18 and 20 are most suited.
The precision of location can be improved if we have more data on districts such as

- Rating of bars
- Bar density
- Average price, etc.

However, this data is not available in the Foursquare API for Paris and other sources should be used.