

Similarity of the top 100 Cities in US based on their cuisine styles

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1 Induction

1.1 Background

"There is no love sincerer than the love of food," George Bernard Shaw said. Judging by the number of amazing dishes out there, he was right. The United States is a diverse country where you can find almost all cuisine styles whereas not just American food. Therefore, food lovers may find that exploring different categories of restaurants in US is fascinating. Someone may like to know the best destination where the food would fit one's appetite. So, we can give the gourmets suggestions by providing the similarity score between cities based on the cuisine styles – if you love the food in one city, then you should go to the other and have a try.

1.2 Problem

Data that might contribute to determining similarity between cities based on food styles: How many cuisine are there in one city? What is the ratio of the number of restaurants in one style compare to the number of all restaurants? The project aim to divide the top 100 cities (based on population) in several groups based on data. If one loves food in a city, then he or she would also enjoy the restaurants in the cities which are in the same group of the previous one.

2 Data

2.1 Necessary Data

1. The top 100 cities in US.
2. The restaurants in each city corresponding to their categories.

As we know the cities we are trying to explore, we can compare their features (restaurants' categories) and divide them in groups.

2.2 Data Source

1. Wikipedia: "List of United States cities by population"
https://en.wikipedia.org/wiki/List_of_United_States_cities_by_population
2. Data on FOURSQUARE, where we can find restaurant in each city and the information of each restaurant included it categories.