

Exploring the venues to create an effective travel itinerary

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2. Data acquisition & approach

2.1 Data Sources

For this project we need the following data:

- New York City data that contains list Boroughs, Neighborhoods along with their latitude and longitude
- Data source : https://cocl.us/new_york_dataset.
- Description: This data set contains the required information. And we will use this data set to explore various neighborhoods of New York city.
- Data source: Foursquare API.
- Description: By using this API we will get all the venues in each neighborhood.

2.2 Approach

- Collect the New York city data from https://cocl.us/new_york_dataset
- Filter out the data only for Brooklyn borough
- Using Foursquare API we will explore the venues for each neighborhood.
- Analyze each neighborhood by most common venues.
- Cluster neighborhoods.
- Visualize the resulting cluster.
- Examining the clusters