**Part 2**

## 1．Data Sources

The data comes from Foursquare, the location map data record of Four Seasons Hotel Boston up to July 22, 2021.

## 2. Discuss Data

Text, table

Description automatically generated with medium confidence

The original data included records for a total of 92 locations, including Four Seasons Hotel Boston. We can use categories to eliminate documents other than restaurants and establish a new restaurant dataset around Four Seasons Hotel Boston. In addition, the venue. Id is used to obtain the data information about the consumer evaluation like these restaurants in Foursquare, and make statistics and classification. The restaurants were rated Great, Average, Below Average,Poor based on the total likes.Graphical user interface, text, application, email

Description automatically generated

These restaurant ratings are then visualized on a map using data from -- and can be used for -- Latitude and Longitude, with different colors representing different user ratings. As the below figure show.Map

Description automatically generated

Finally, according to the results of cluster machine learning on the data, the restaurants rated by each user are classified into specific categories. The categories of the most popular restaurants in Four Seasons Hotel Boston are quickly obtained to provide appropriate nearby dining suggestions for hotel customers.