Part 1:

Problem Description:

Tourists find it difficult to select the optimal locations for their Hotels. They would like to select locations that are nearby attraction areas, safe to stay and walk in as well as near to famous restaurants and transportations. In this project, we will analyze and cluster Chicago city based on tourism attractions, crime rates, public transportations and famous restaurants. Then, we will provide recommendations on the top best hotel locations that optimizes tourists' needs and requirements.

Part 2:

Data Description:

In this section, the data used to solve the above problem are described as follow:

1. Chicago Crime Data to determine the crime rate at different Chicago areas
2. Top attractions and restaurants acquired from FourSqaure website
3. Geographical locations of the top attractions, restaurants, transportations and hotels