

1.A description of the problem and a discussion of the background.

A key aspect when deciding where to travel are the cuisines and cultures of the destination. The aim of this project is to quantify the range of cuisines available in the most popular cities around the world, thus allowing travelers to make an informed decision about their next destination. Using machine learning techniques cities will be clustered based on the similarity of their cuisines.

2. A description of the data and how it will be used to solve the problem

Data for the location of each city centre will be sourced using the geopy package. Data for each city's most popular restaurant venue and range of cuisines will be sourced using the Foursquare API within python. This data will then be used to group cities into clusters based on the similarity of their cuisines.