

Introduction:

When people go out to travel, they usually use the travel advice website to search for information. However, the recommendations which traveling websites provided are similar. Hotel and attraction recommendations are simply categorized by price or region. This search method is not flexible and customized enough to meet the traveler's requirements accurately. I want to use a data-driven approach to search and develop travel advice that fits various traveler's needs. I will use Seattle as an example and provide customized recommendations for people traveling to Seattle. The example I use in the case is a mid-classed 40 years old Asian travel will travel to Seattle for 15 days prefer try Seattle local food during this trip. He also looking for a reasonable car rental and he prefer live in an apart in downtown not in hotel.

Data:

residential rent price data from government website: <https://data.seattle.gov/>

Seattle Location data from Google Map API

Seattle Top Venue Recommendation from FourSquare API, including venue ID, venue Name, Latitude and Longitude, and category name.