



Opening a new upscale hotel in Los Angeles.

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Overview

The city of Los Angeles is one of the most popular travel destinations in the U.S. It attracts tourists from across the globe for its glamorous nightlife, wild nature, rich history, warm climate and much more. As a person who has joyfully resided there for

a great part of his life, I find it to be a personal duty to make sure that one receives a proper opinion of the magnificent city during his/her stay. In order to deliver my duty, I will analyze the metadata of Los Angeles in order to find neighborhoods worthy of opening an upscale hotel.

Goals

- 1- Retrieve metadata of each neighborhood and the venues that it offers.
- 2- Analyze data to form an opinion regarding the most promising neighborhoods to open a hotel.

Specifications

I will scrape the internet for data using the Beautiful Soup library, Requests library and FourSquare API. Then after, I will clean the data in order to segment them into individual groups using k-means. After getting each neighborhood into a cluster, I will then plot each neighborhood into a folium map and color each neighborhood accordingly to its assigned cluster.