A guide for Exploring Paris Arrondissements and finding the city's top attractions

1. Introduction & Business Problem

1.1 Problem Background:

Paris, the cosmopolitan capital of France, is one of Europe's largest cities, with 2.2 million people living in the dense, central city and almost 12 million people living in the whole metropolitan area. Located in the north of France on the river Seine, Paris has the well-deserved reputation of being the most beautiful and romantic of all cities, brimming with historic associations and remaining vastly influential in the realms of culture, art, fashion, food and design. Therefore, preparing a travel itinerary that prioritizes the activities and the visits to do is highly effective.

1.2 Problem Description:

Visiting Paris is highly exciting, however a well-organized itinerary of what to visit and what to see will be very efficient. An itinerary will help saving time and fixing destinations to visit depending of the time of stay. Moreover, it will make suggestions for what activities to do, what places to visit, what to eat, etc. … The goal of this project is therefore to explore Paris Arrondissements and to find the city's top attractions thus creating an efficient itinerary for tourists aiming to visit Paris, the City of Lights!

1.3 Target Audience:

This project would interest anyone aiming to visit Paris, even more, it can help the local residents in discovering their city.

2. Description of the data

2.1 Data Source

A variety of online sources using web scraping techniques such as Beautiful Soup will be used in this project.

Information of Paris Arrondissements was found on Wikipedia (Wikipedia page). The corresponding latitude and longitude for each Arrondissement will be compiled manually using *Nominatim*. The venues data was found by using the Foursquare API.

The top must-see Parisian landmarks were found on the this website as well as from Google Search, compiled with its corresponding latitude and longitude were found using Nominatim.

To map out the boundaries of each arrondissements and create visuals such as *choropleth maps* for population, we will use a Paris arrondissements *geojson* file from Carto.