

Neighborhood and Venue Data Analysis of Paris

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Introduction

Paris is the capital of France and the most populous city in the country. Being the City of Light it is the world's most visited capital. The city is proud of its many monuments from the iconic Eiffel Tower to the lofty Notre-Dame cathedral and the majestic Arc de Triomphe. No doubt this is Europe's most enchanting capital. There are around 80 neighborhoods in Paris. Each neighborhood may have different popular venues, and thus if we can find similar neighborhoods and their popular venue categories, it can aid businesses in making investment decisions.

The target audience for this project are Entrepreneurs, Investors, or Organizations who are planning to expand their business in the city of Paris.

Data Description

First, we have to find out all the neighborhoods of Paris city. We will download the relevant data from trusted sources like the French government website and other open data sources provided by local authorities of Paris city. Further, we would need location data (postal codes, coordinates) of each of these neighborhoods, which we will obtain using the Geopy Library. Lastly, to find the nearby venues of each neighborhood using their location coordinates we will utilize the Foursquare API.