

FINDING A GOOD LOCATION FOR A NEW RESTAURANT IN LAGOS NIGERIA

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1.INTRODUCTION

Many restaurants are small businesses and they provide services ranging from inexpensive fast food restaurants and cafeterias to mild priced food restaurants, to high-priced establishments. The main goal of a restaurant is to maximize profit and to do this, many factors come to play, especially the location of such restaurant.

1.1 BUSINESS PROBLEM

The location of a restaurant plays a major role in its success. This project aims to predict the best place to open a new restaurant in Lagos Nigeria.

1.2 INTEREST

Property developers and investors will be very interested in the outcome of this project.

2 DATA ACQUISITION

2.1 DATA SOURCES

- List of neighborhoods in Lagos Nigeria from https://en.m.wikipedia.org/wiki/Category:Neighborhoods_of_Lagos
- Python Geocoder was used to get the geographical coordinates (latitude and longitude) of the neighborhoods in Lagos Nigeria.
- Foursquare API was used to get the venue distributions of the neighborhoods.

2.2 DATA CLEANING

Data was cleaned and wrangled. The data scrapped was combined with the longitude and latitude and made into a pandas table.