

## **INTRODUCTION/BUSINESS PROBLEM**

Lagos is a state located in the southwestern geopolitical zone of Nigeria. It is the most economically important state of the country and the nation's largest urban area. It is a major financial center and would be the fifth largest economy in Africa, if it were a country.

It has the highest population density of Nigeria's states and as at 2016, more than 12 million people are living in Lagos State. It is a city with high population and population density which is very viable for business opportunities.

Mr. Brown is an investor looking to invest in the food business in Lagos State, and he is looking a location to start his business. My Job as a Data Scientist is to solve Mr. Brown's Location problem by getting a location with high Population Density, Economic Strength as well as few numbers of restaurants. This will solve the demand/supply problem of the area, as well as give Mr. Brown a good location to start his restaurant business. Furthermore, there are actual significant locations in Lagos that are very important to his restaurant business in terms of the Population of the area i.e. Local Government area and the Economy Viability of the area but there is need to be specific and be definite about the particular location.

Victoria Island (VI) is an affluent area that encompasses a former island of Lagos State neighboring Lagos Island, Ikoyi and the Lekki Peninsula by the Lagos Lagoon. It is the main business and financial center of Lagos State. Victoria Island is one of the most exclusive and expensive areas to reside in Lagos and is known for its beach resorts, boutiques and nightlife. The town and island lie within the boundaries of the Eti-Osa Local Government Area (LGA).

Alimosho is a Local Government Area in Lagos State. It is the largest and most populated local government area in Lagos, with 1,817,200 inhabitants, however, the Lagos State Government disputes the official figures and claims a population within the Local Government Area of more than 2 million residents. It has now been subdivided between several Local Community Development Areas (LCDA).