**A project to explore the major regions, localities (Neighbourhood) & cities within the state of New South Wales Australia.**

**Introduction of the Business Problem**

A migration agent targeting African Clients called Aus-Migration Pty has required my services in providing major regional distribution of people within the state of New South Wales in Australia. The client would be interested in knowing:

1. What the sizes of those regions are (km2),
2. In seeing the distribution of population for the years 2018 and 2019 respectively and the population density for the year 2019 specifically.
3. Component reasons for the distribution for the year 2019.

Aus-Migration pty requests that in addition to summary tables having some visual maps displaying some of the information would be beneficial for their potential clients.

As The 2019–20 Australian bushfire season, colloquially known as the Black Summer, began with several serious uncontrolled fires in June 2019. Throughout the summer, hundreds of fires burnt, mainly in the southeast of the country. From September 2019 to March 2020, fires heavily impacted various regions of the state of New South Wales. Aus-Migration Pty would like to visualize on a map the said regions and the neighbourhoods around it so as be able to educate their potential clients on some of the hazards and things to be mindful of if and when they eventually migrate to New South Wales.

As Sydney is the most populous city in New South Wales and indeed Australia, Aus- Migration Pty would like a map to explore this city in addition to the regions (suburbs and localities) in our reduced data set on New South Wales. Aus- Migration Pty would want to see regions within 5km of these neighbourhoods.

Aus-Migration Pty, is targeting a wide range of customers from Specialist Doctors, Nurses, Researchers, Farmers, Entrepreneurs to students who would be assisted in procuring various types of visas that would enable them emigrate from Africa to New South Wales in Australia to either work (white collar or blue-collar), study or start a business. In support of this they would want a clustering of the neighbourhoods with the Top 10 venues.