

Capstone Project – The Battle of Neighbourhood

One Stop Immigration Services by Smart Living Sydney

Sydney Background Information

Sydney is located on the east coast of Australia. It is the state capital city of New South Wales. The population of Sydney is estimated to be around 5 millions and it is considered the most populous city in Australia and Oceania. Sydney is made up of over 650 suburbs, 40 local government areas and 15 contiguous regions. The regions consist of Blue Mountain, City, Eastern Suburbs, Forest Districts, Greater Western Sydney, Inner West, Northern Beaches, Upper North Shore, Lower North Shore, Northern Suburbs, South-Eastern Sydney, Southern Sydney and St. George.

Data Source

The first data that we need is a complete list of suburbs of Sydney. This list can be attained from the following website:

<https://www.intosydneydirectory.com.au/sydney-postcodes.php>

In this website, we will find a list of Sydney suburb names, state (which is NSW) and postcodes. As State column has constant value of NSW, this column will be discarded because it does not provide any valuable information.

From this list, we will use Python library to retrieve the location data (i.e. Latitude and Longitude) for all the suburbs.

Once we have the location, FourSquare will be used to retrieve venue information to perform our data analysis. The venue categories that we will be interested are restaurant, school, public transport and grocery store. We will further examine the types of restaurant and grocery store available in the suburbs of Sydney.