Battle of Neighborhoods – Data Selection

For international students, we consider that there are three main factors that influences their choosing places for living.

The first factor is convenience. This includes the distance from home to universities, accessibility to public transport, and the facilities nearby such as restaurant, supermarkets, entertainments like cinema, gyms, etc... We will use Foursquare to find the information of each neighbourhood to determine the convenience of that suburb by analysing the venues in each neighbourhood.

Another important factor is the rent level of the suburb. To analyse this, we will use the dataset from NSW rent and sales data (link: https://data.nsw.gov.au/data/dataset/05aaef34-d175-4e0d-9cc1-a70534447495/resource/1ee8e212-732e-47a7-a93f-38881fdef21a/download/gstrategic-policyinformationdata-nsw2016-dataset-uploadsfacsrent-tables-march-quarter-2015.xls).

Last but not least, security is also essential for a student to decide whether to stay in a place. To analyse this, we will use the crime data of NSW from (http://data.gov.au/storage/f/2013-09-12T23%3A32%3A36.918Z/rci-offencebymonth.csv). We will use

the number of crimes and their categories to calculate the crime risk

of a suburb from 1995 to 2012.