**Introduction**.

Buying a house is everyones dream.But with the numerous options avialable in terms of suburbs,type of residence,location,proximity to venues etc it is hard to decide on which one to buy .The decision made on intuition may not always be the right one.

I recently moved to Indooropilly which is a suburb in Brisbane, Australia.Living in Indoorooppilly has been a pleasant experience and it also has a great shopping mall and plenty of breakfast and dining options.I have plans of buying a house but don’t know where to buy as I am new to Brisbane.I like Indooroopilly but I would also like to have more choice when it comes to buying a house.

In this project I would like to make use of the insights gained from data to narrow down my choices to a small number of suburbs which would then make it easier to take a decision.

Audience

People who are looking to buy a home in Brisbane.They can get an idea of which suburbs are similar.A general idea of the suburbs can be obtained from the type and number of venues present in them.

**Data**

Brisbane Suburbs names will be scraped from wikipedia .As the post code information is not directly available on wikipedia I have copied it from a file on github that had all the postcode and geocodes of Australia.It will be copied to an excel file converted to csv and then using pandas appended to my original Brisbane suburbs file.Now I have my dataframe with Suburb name,Postcode,Suburb latitude and Suburb longitude.

Next step is to find the different venues in each suburb.Foursquare location data will be used to achieve this.Sending a request to Foursquare with suburb latitude and longitude will return all the venues in that suburb.For each suburb,I will be extracting venues names,venue category and venue location.