



Capstone Project

Decision for the Residential Developer

Introduction

- As a new Residential Developer that just entered the industry, we are ready to take up the challenge to find the optimal place to build a residential building!
- The company is based in Australia, we want to find out where exactly in Australian cities to start developing a residential area.



Data

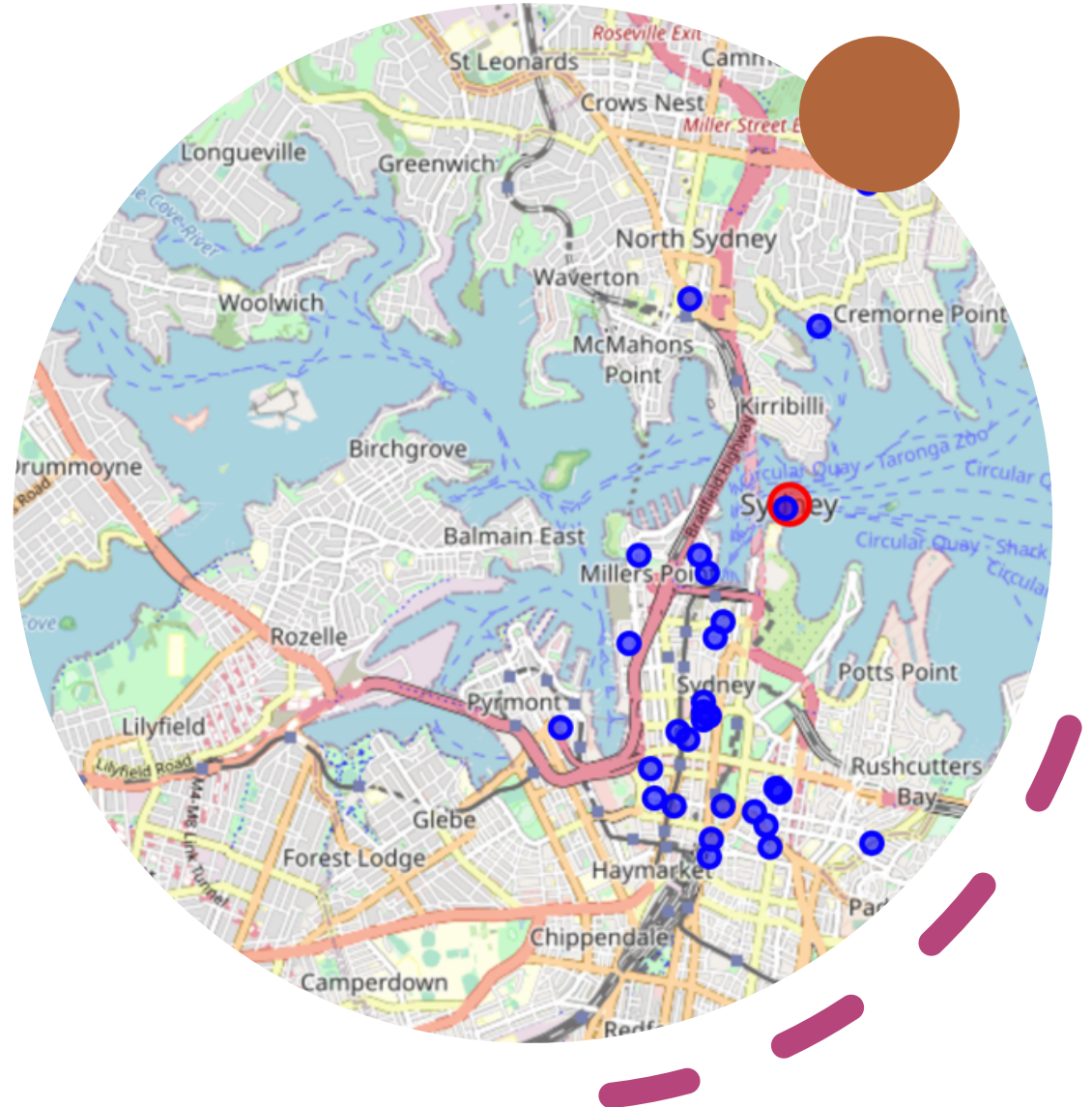
- Wikipedia to find the largest cities and extract the populations
 - https://en.wikipedia.org/wiki/Template:Largest_cities_of_Australia
 - The number of shopping malls and their location in every neighbourhood will be obtained using the Foursquare API.
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Methodology

- Web scrapping population information from Wikipedia to determine which city in Australia has the largest population.
- With access of Foursquare API we will grab the information for all the locations for the stores in Sydney
- Find the clusters of stores in the city of Sydney and map to visualise our result.

Results

- The visualisation of the marked store positions on the map of Sydney. Where the blue markers represent each individual stores and the red marker represents the centre of the city.





Conclusion & Discussion

- We can observe the stores form a cluster in the South of Sydney
 - Therefore, as a new developer we would choose to find an area of empty space in the lower (South) Shore that has close proximity to the stores as an investment for residential area.
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