

Chinese Restaurants in Sydney

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In this project we will try to analyse the distribution of Chinese restaurants in Sydney and try to find a possible optimal location for a new Chinese restaurant.

Data

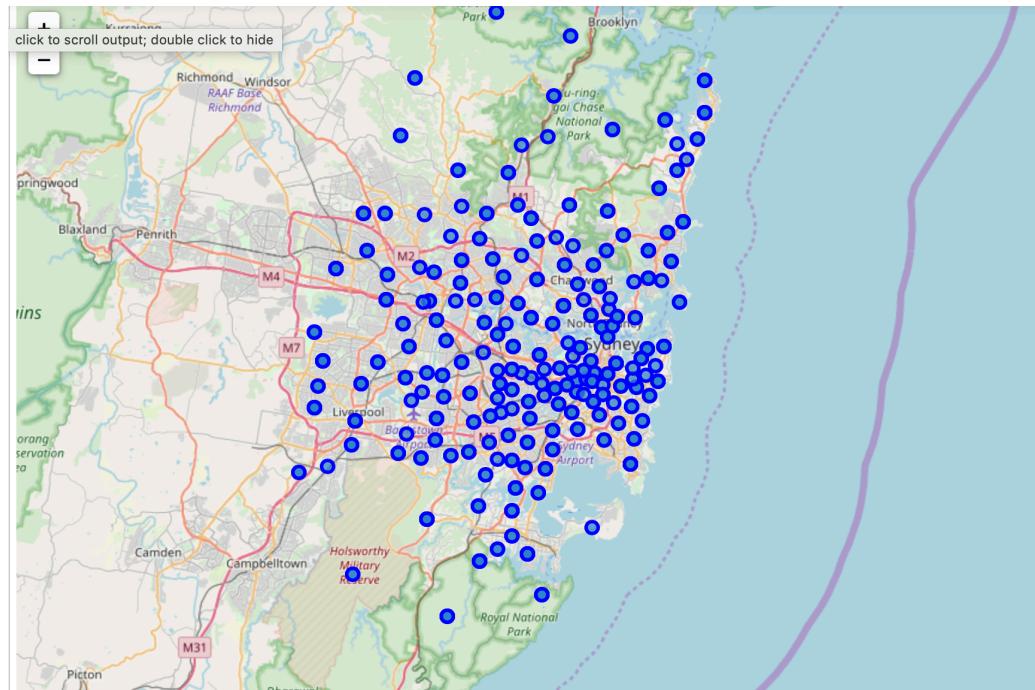
- ▶ Github. <https://github.com/matthewproctor/australianpostcodes>

Fieldname	Description
postcode	The postcode in numerical format - 0000 to 9999
locality	The locality of the postcode - typically the city/suburb or postal distribution centre
state	The Australian state in which the locality is situated
long	The longitude of the locality - defaults to 0 when not available
lat	The latitude of the locality - defaults to 0 when not available
dc1	The Australia Post distribution Centre servicing this postcode - defaults to blank when not available
type1	The type of locality, such as a delivery area, post office or a "Large Volume Recipient" such as a GPO, defaults to blank when not available
status	A note indicating whether the data is new, removed or updated - new column Nov 2018

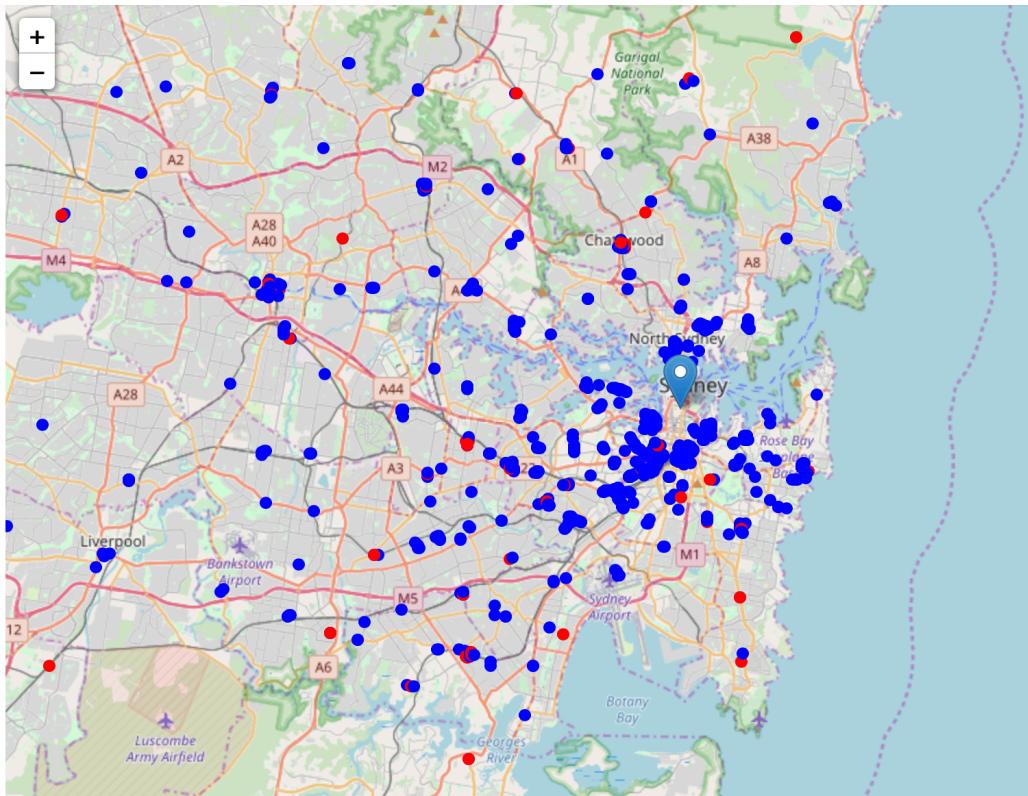
Methodology

- ▶ one CSV file gathering all zip codes in Australia and each corresponding latitude, longitude coordinates. This database is coming from <https://github.com/matthewproctor/australianpostcodes>
- ▶ we will gather information by Foursquare API to get neighbourhood information for each (latitude, longitude) postal area in Sydney.

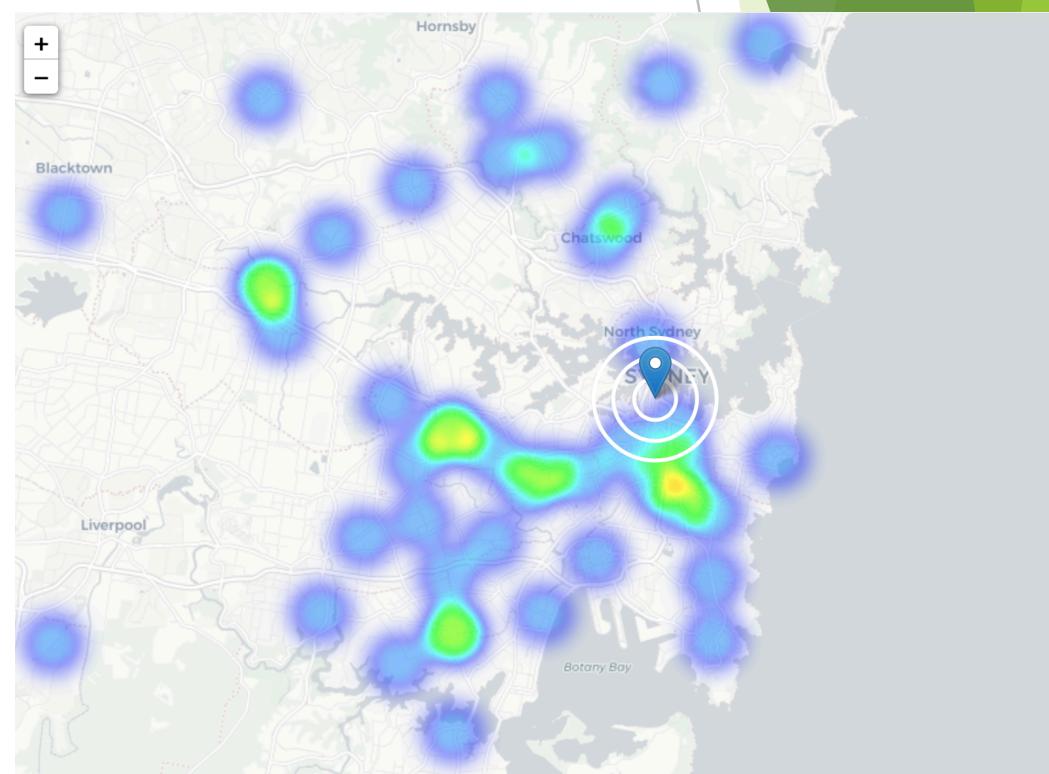
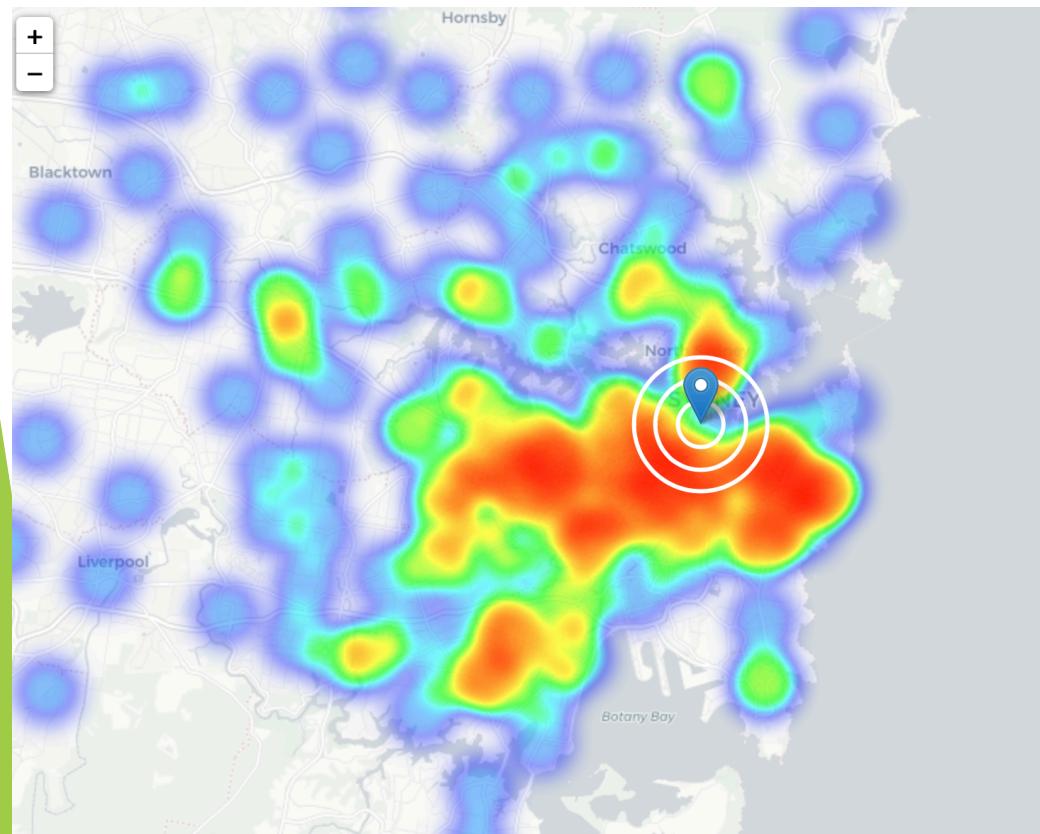
Check Points from Sydney Postcode



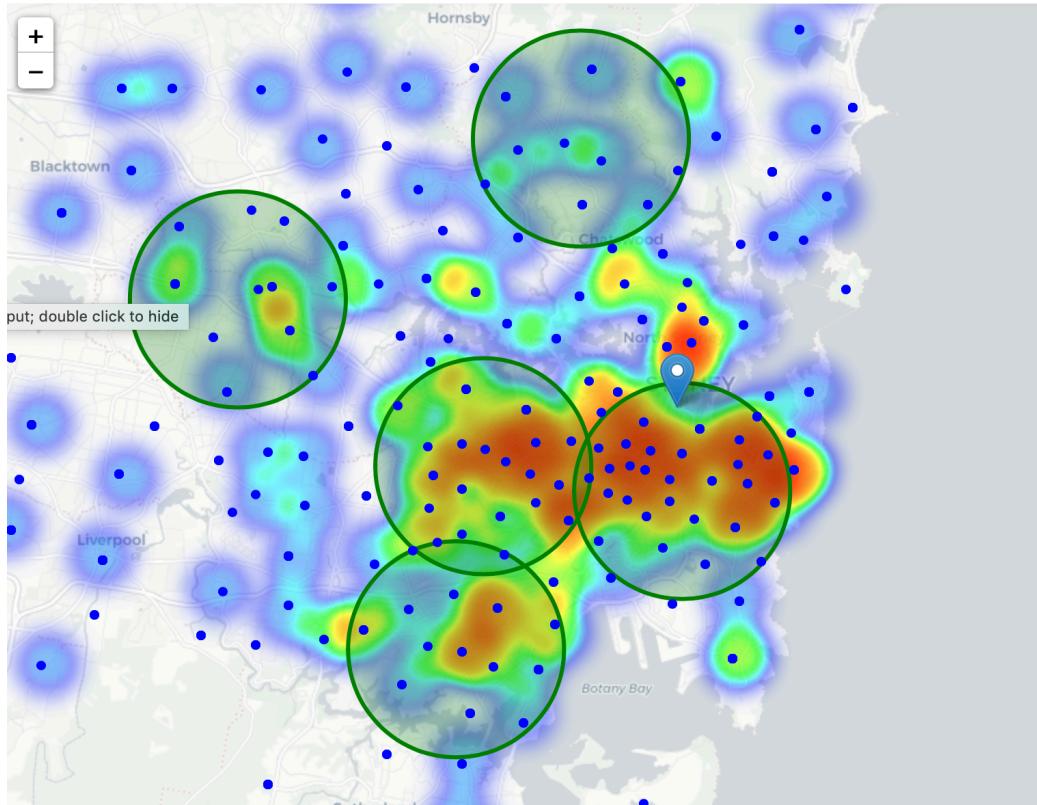
Restaurant data in Sydney



Heatmap of All Restaurant and Chinese Restaurant Density in Sydney



Clusters of Chinese Restaurants



Results and Discussion

- Our analysis shows that the number of Chinese restaurant in the skirt of Sydney is much lower than that in the centre of Sydney. Although a great number of restaurants in Sydney have been established, Chinese restaurant is still an underdeveloped business. We use the location information to group Chinese restaurant. There are mainly five groups.

Conclusion

- ▶ Purpose of this project was to find out the distribution of Chinese
- ▶ restaurant in Sydney and provide information for people who want to
- ▶ start a new business in Sydney. Our analysis shows that the skirt of
- ▶ Sydney have less Chinese restaurant and should be pay more attention.
- ▶
- ▶ This project is just an initial analysis and, if interested, more data
- ▶ and more analysis should be done to provide more insightful conclusion.