

Recommendation of places of open a new restaurant in Canberra

Wenjing Xue



PURPOSE



EASY PROFIT



LOW COMPETITIVE
PRESSURE



HIGH INCOME
TARGET GROUP

DATA ACQUISITION AND CLEANING

- Source
 - Postcode data
 - Coordinate data
- Cleaning
 - Duplicate data
 - Merge two dataset – un-complicate data
- Feature selection
 - Keep the postcode, suburb, latitude longitude for evaluation
 - Keep city, state, country as reminder of the place name and location

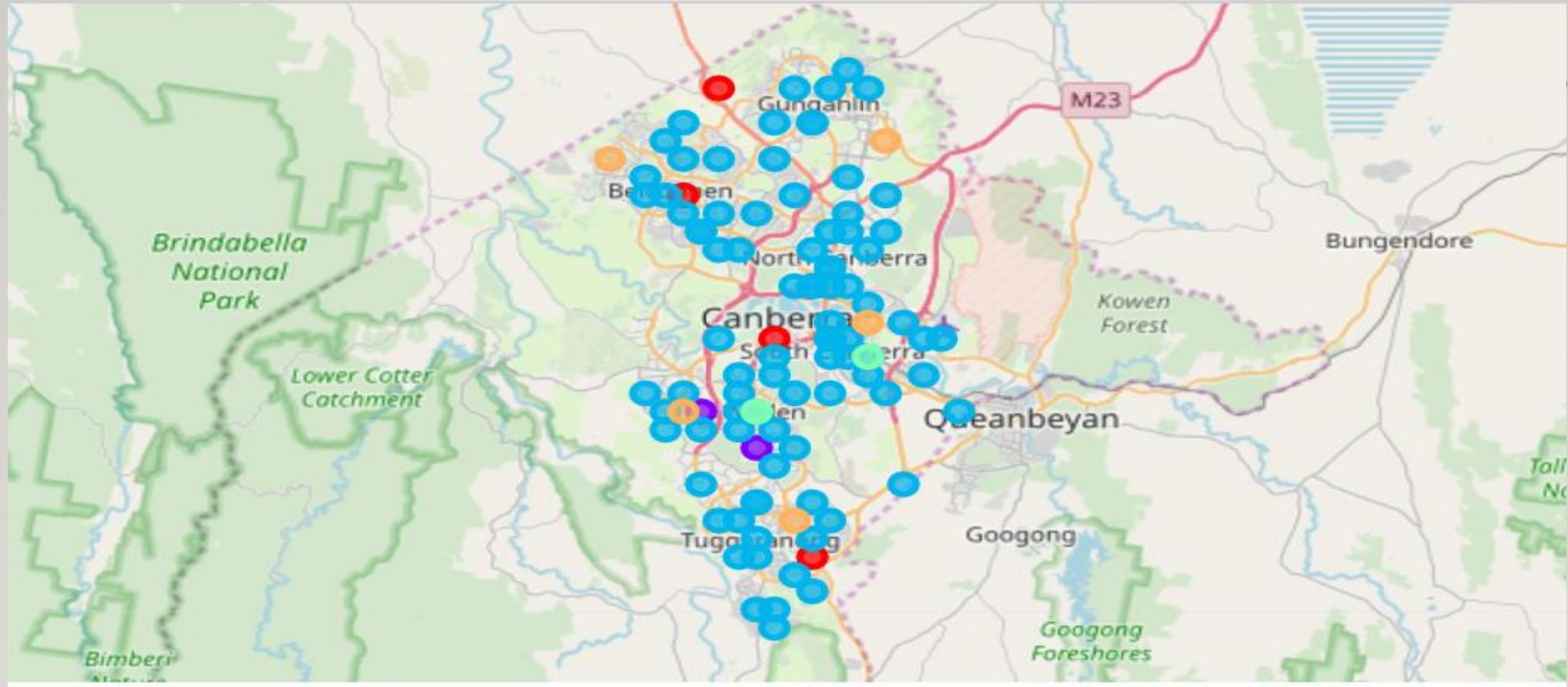
DATA ANALYSIS

- Merge and Map Canberra Suburb
 - Visualize and show the exact place of each suburb
- Venues
 - Venues represents the lifestyle and main usage of each place
 - Common Venues provides suggestions for the further development of the area
- Mapping and Evaluate Clusters
 - Mapping – better visualize understanding
 - Using venues to group the suburb – easy to category the place usage
 - New restaurant should locate in the area center, good public transport, shopping center, and large flow of people

RESULT (CLUSTER I-5 TABLE)

[illegible]

RESULT (CLUSTER MAP)



cluster 1: Red cluster 2: Purple cluster 3: Blue cluster 4: Green cluster 5: Orange

RESULT

- Cluster 1: Area center & Good public transport
- Cluster 2: More rural area
- Cluster 3: Too many places, hard to find a really good location
- Cluster 4: People live with a fast pace of life
- Cluster 5: Entertainment place

DISCUSSION

- Cluster 1: Best choice
 - Center area with public transport – many people to visit
 - Suburb name: Yarralumla, Richardson, Florey, Hall.
- Cluster 2: Rural
 - Not enough people live here
- Cluster 3: Good choice
 - Should have a deeper consideration of which location to choose
 - Too many suburb in this cluster
- Cluster 4: Fair choice
 - Fast pace of life won't have time to eat in a restaurant
- Cluster 5: Good choice
 - People go here to play, may not choose to stay and eat

CONCLUSION & FUTURE WORK

- Use more data to evaluate the population
- Give better location recommendation for different restaurant with different cuisines