

Exploring and Clustering Asian Restaurants in Austin (Data)

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To review the Introduction/Business Problem part:

<https://github.com/Andersen1997/Applied-Data-Science-Capstone-with-Python/blob/master/Week4-Introduction-Business-Problem-Andersen-Lin.pdf>

To address the problem, below is a list of data we need for further analysis:

1. To present users with an interactive map, we need folium to render a map and allow us to put additional information
2. To localize Austin on the map, we need geopy to get the geographic coordinate of Austin
3. To assist in finding a location to open an Asian restaurant from a neighborhood basis. We need a GeoJSON file [1] that gives us the coordinates of boundaries of neighborhoods in Austin
4. To clearly display the number of existing Asian restaurants in each neighborhood. We need folium to draw choropleth maps
5. To get a list of existing Asian restaurants in Austin [2], we need Foursquare API to explore restaurants based on given locations

References:

[1]. Austin Travis TX US Neighborhoods, OpenDataSoft. Retrieved from:

<https://public.opendatasoft.com/explore/dataset/zillow-neighborhoods/export/?refine.state=TX&refine.county=Travis&refine.city=Austin>

[2]. Queried Asian Restaurant Recommendations within 1000 Meters of Each Neighborhood in Austin, FourSquare API. Retrieved from:

<https://developer.foursquare.com/docs/api-reference/venues/explore/>