Capstone Course

Battle of the Neighborhoods - Dublin Restaurant Analysis
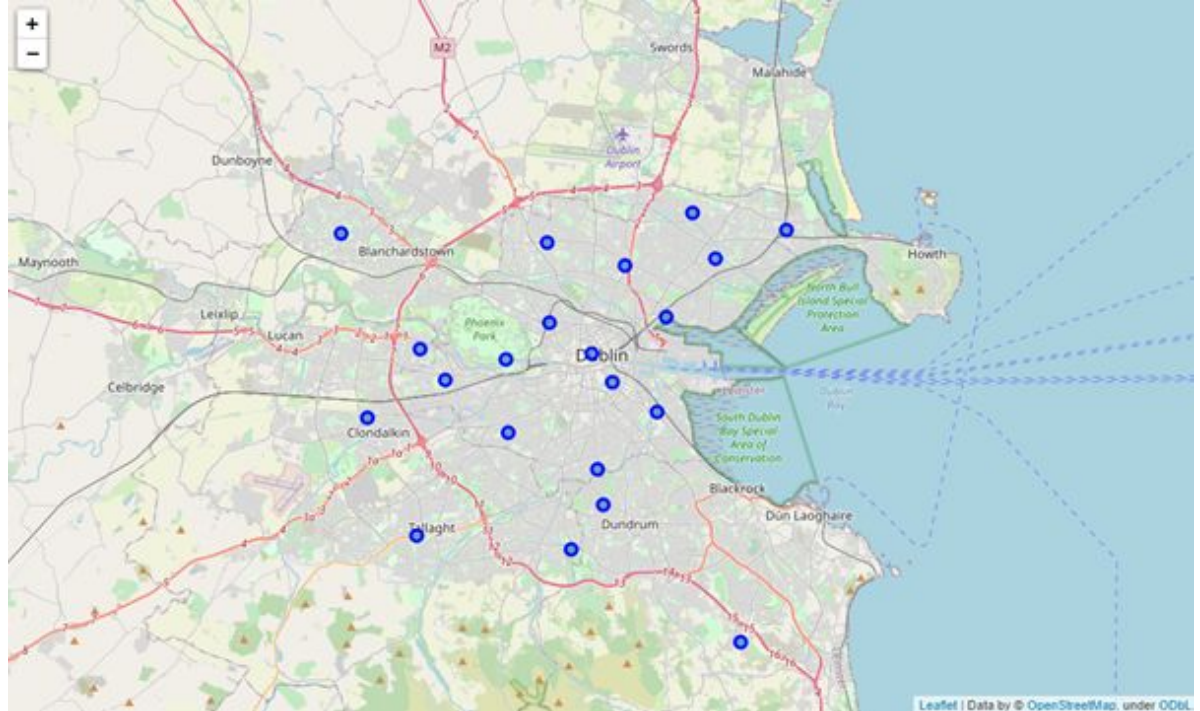
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Business Problem

- Friend wants to open a restaurant in Dublin
- Flexible of style - want to know what most common restaurant types are in the city
- Wants to find a neighborhood that has a number of restaurants, but where her restaurant can also stand out from the crowd
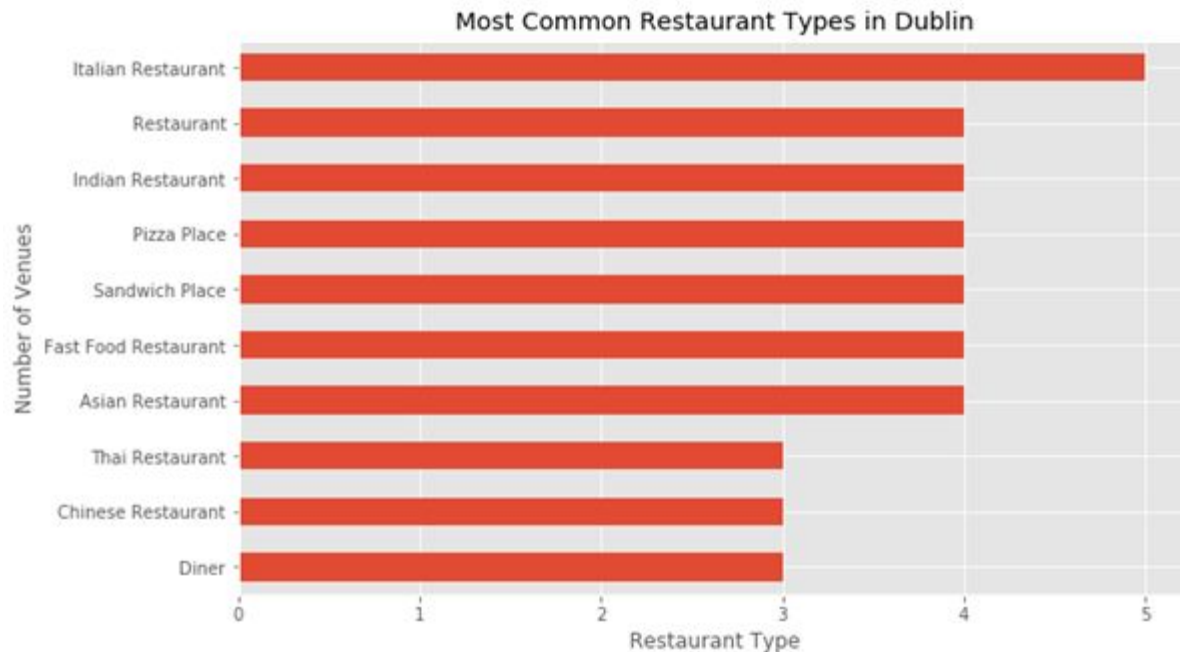
Data Sources

- CSV file with Dublin District Data
  - Postal District
  - Key neighborhoods
  - Latitude & Longitude
- Foursquare API
  - Venue Information
  - Venue Category
  - Venue Location

Get the lay of the land

Use Dublin Areas csv file to create this map, to get a sense of the different areas in the city. Each dot represents a district

Italian is popular

Using district location data, find venues in each district using the Foursquare API, and use this to find the most common restaurant types in the city

Most Common Restaurant Types in Dublin

D1, D4, and D24 make the shortlist

Having decided to open a new Italian restaurant, we shortlist districts based on:

- Those with high numbers of restaurants
- Those with a low proportion of Italian restaurants

D1, D4, and D24 are our preferred options

	District	Total Restaurants	Italian Restaurants
0	D1	13	1
1	D4	13	1
2	D24	11	0
3	D2	7	2
4	D9	4	0
5	D7	2	0
6	D10	1	0
7	D11	1	0
8	D15	1	0
9	D16	1	0
10	D20	1	0
11	D22	1	0
12	D3	1	1

Choosing an ambience

Performing cluster analysis on the districts, we find there is a choice between retail-focused districts of D1 and D24, or a more relaxed setting in D4