

RESTAURANTS IN MINNEAPOLIS

BACKGROUND & PROBLEM

Minneapolis, MN

Where are the restaurants?

How diverse are the restaurant options?

How many Mexican restaurants?

How good are the Mexican restaurants?

DATA - DATA SOURCE

Minnesota locational data

- City
- Zip code
- County

Most complete source found

DATA - FEATURE SELECTION

Narrowed down by county

- Then only Minneapolis

Dropped columns

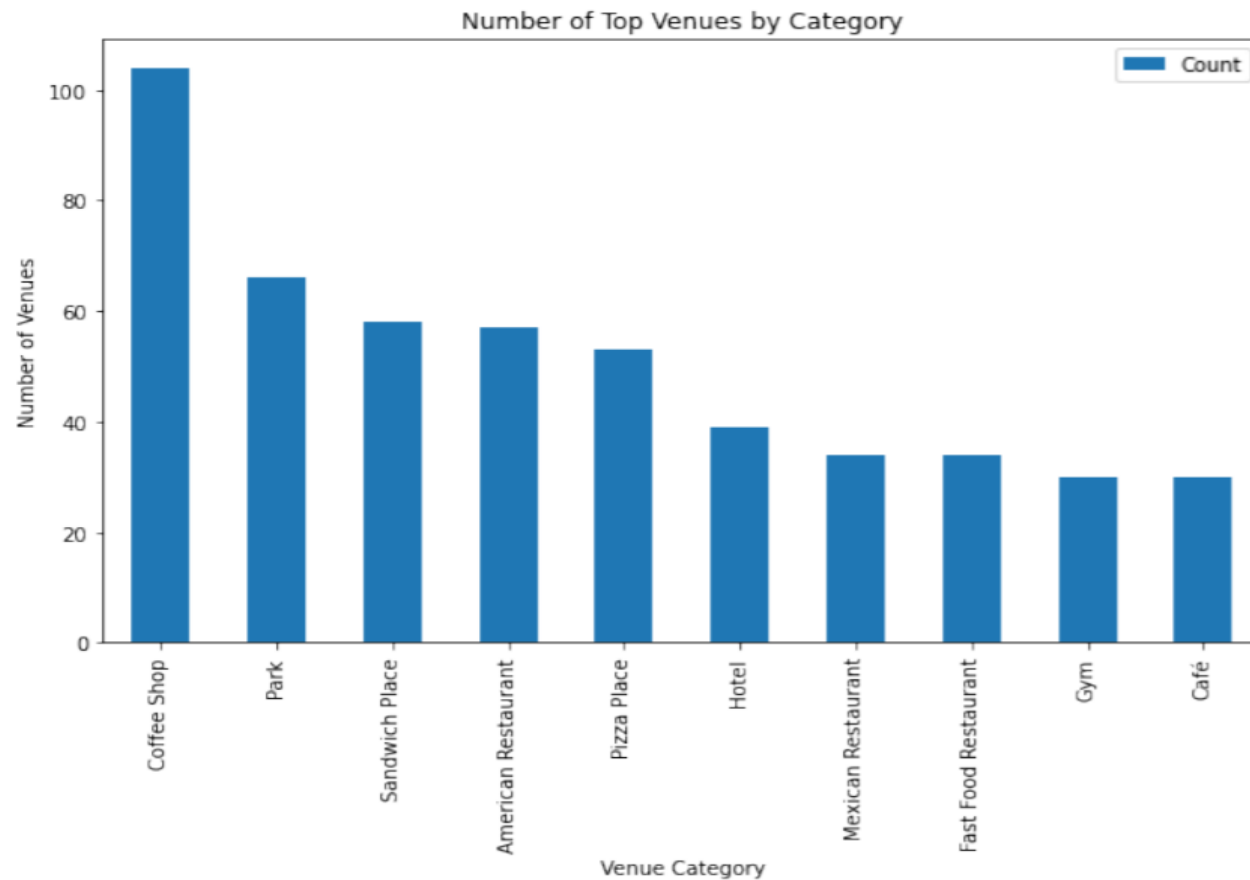
- Zip Code Type
- County

DATA - FOURSQUARE API

All venues in Minneapolis

- 295 unique categories
- Narrow down to only restaurants

METHODOLOGY — TOP VENUES

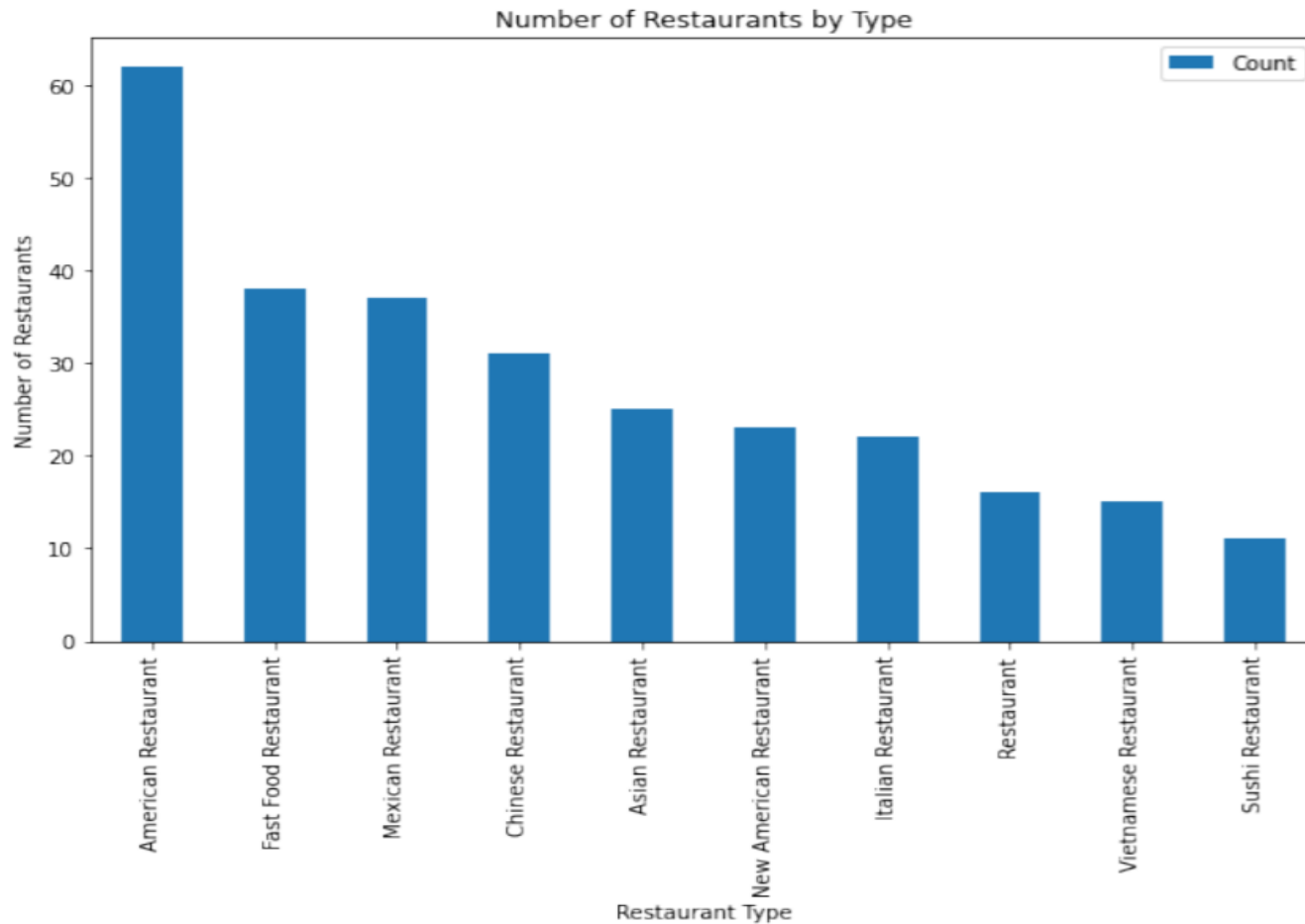


Top ten distinct venues

Data helps to understand
makeup of city

Note: Mexican Restaurant is in
top 10 most frequent venues

METHODOLOGY — RESTAURANTS BY TYPE



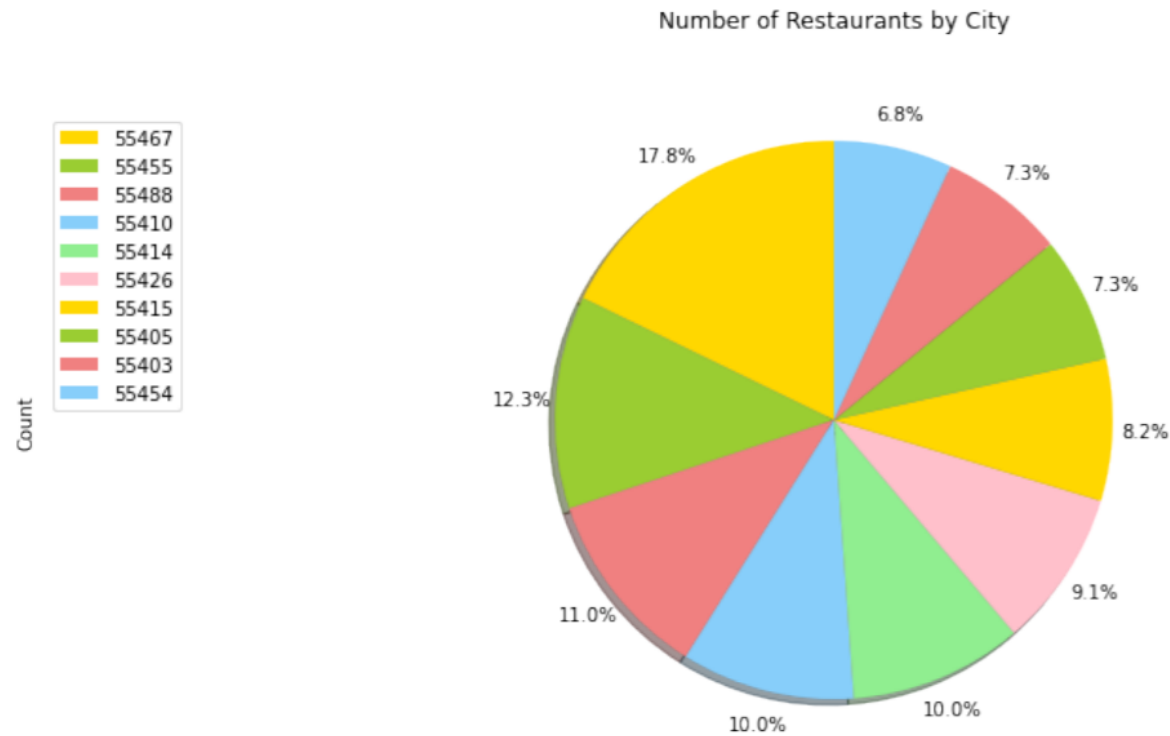
All venue types that include
“restaurant”

42 types of cuisine in
Minneapolis

Graph only includes top 10

- Gives a snapshot of most popular cuisines in Minneapolis

METHODOLOGY — RESTAURANTS BY CITY

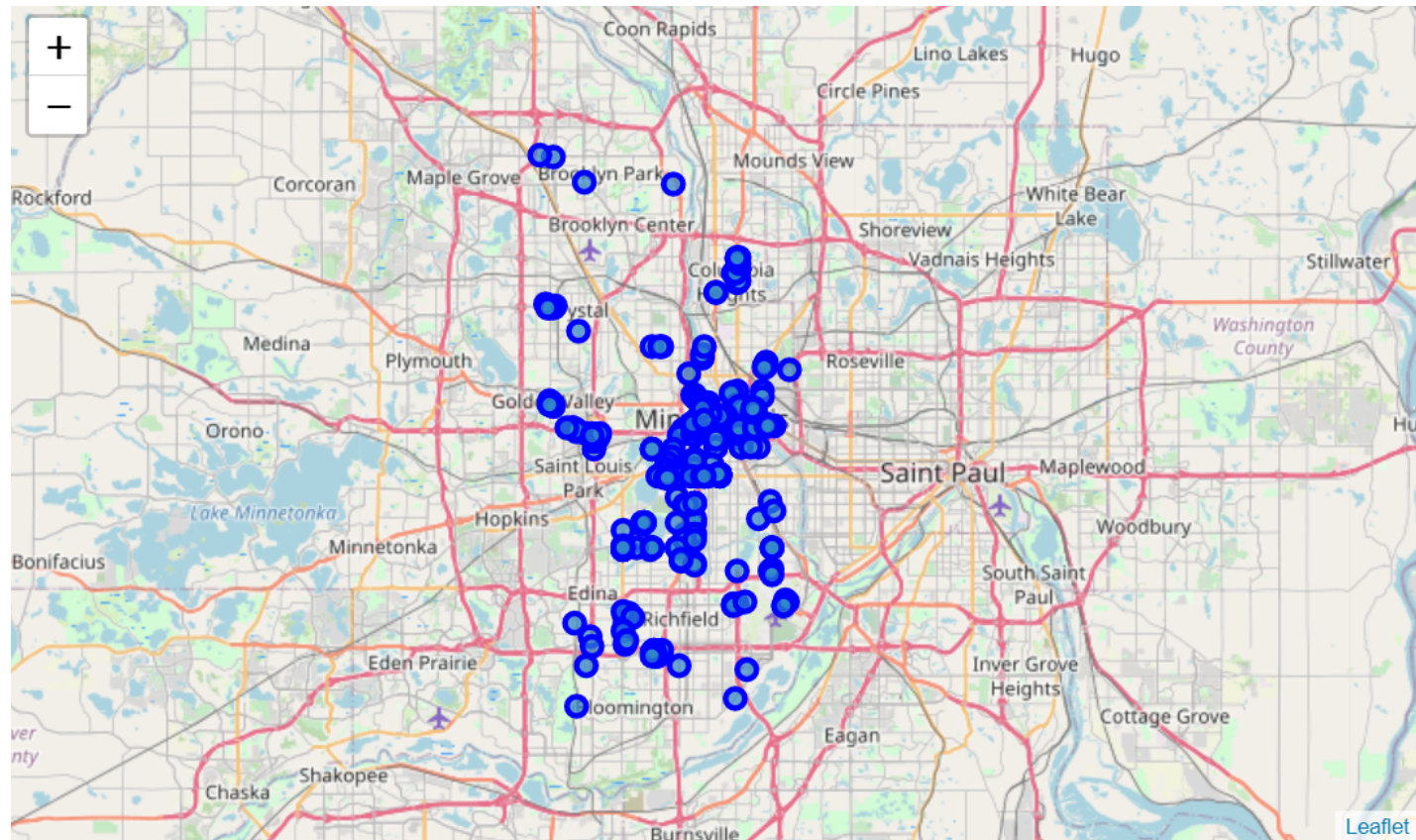


Multiple areas only have one restaurant

Pie chart includes 10 cities with the most restaurants

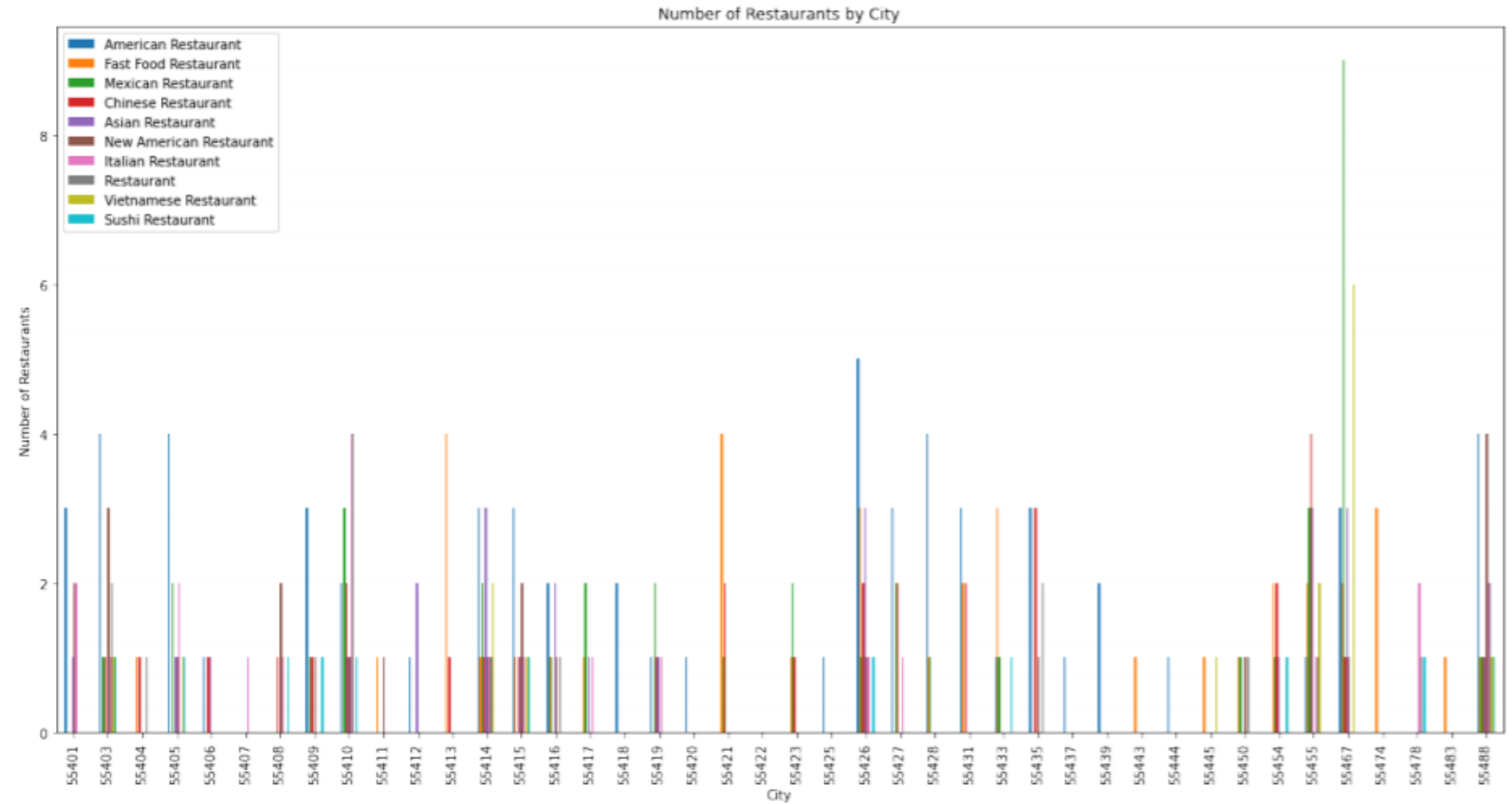
Helps to understand which cities have the most options

METHODOLOGY — RESTAURANTS BY CITY (MAP)

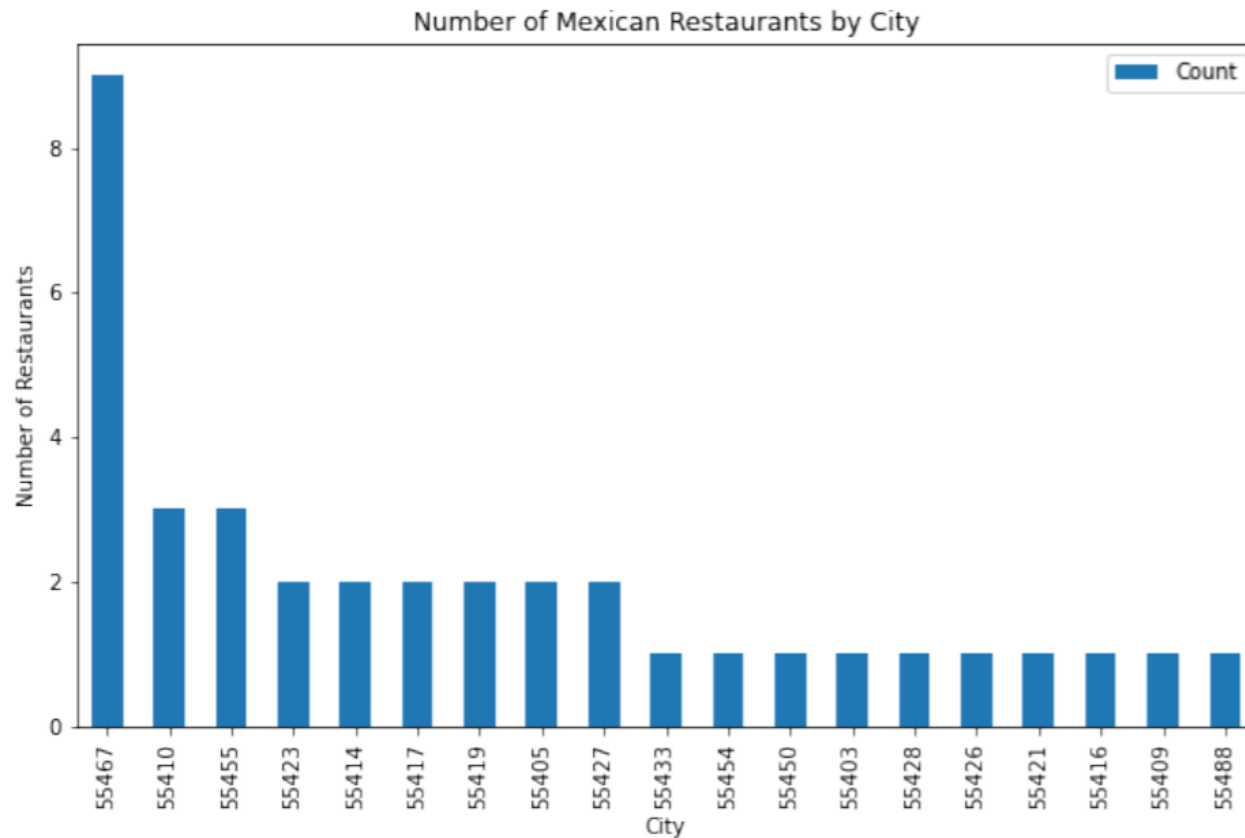


METHODOLOGY — TYPE BY CITY

Due to the high amount of cuisines, this graph only includes the top 10 most popular.



METHODOLOGY — MEXICAN RESTAURANTS

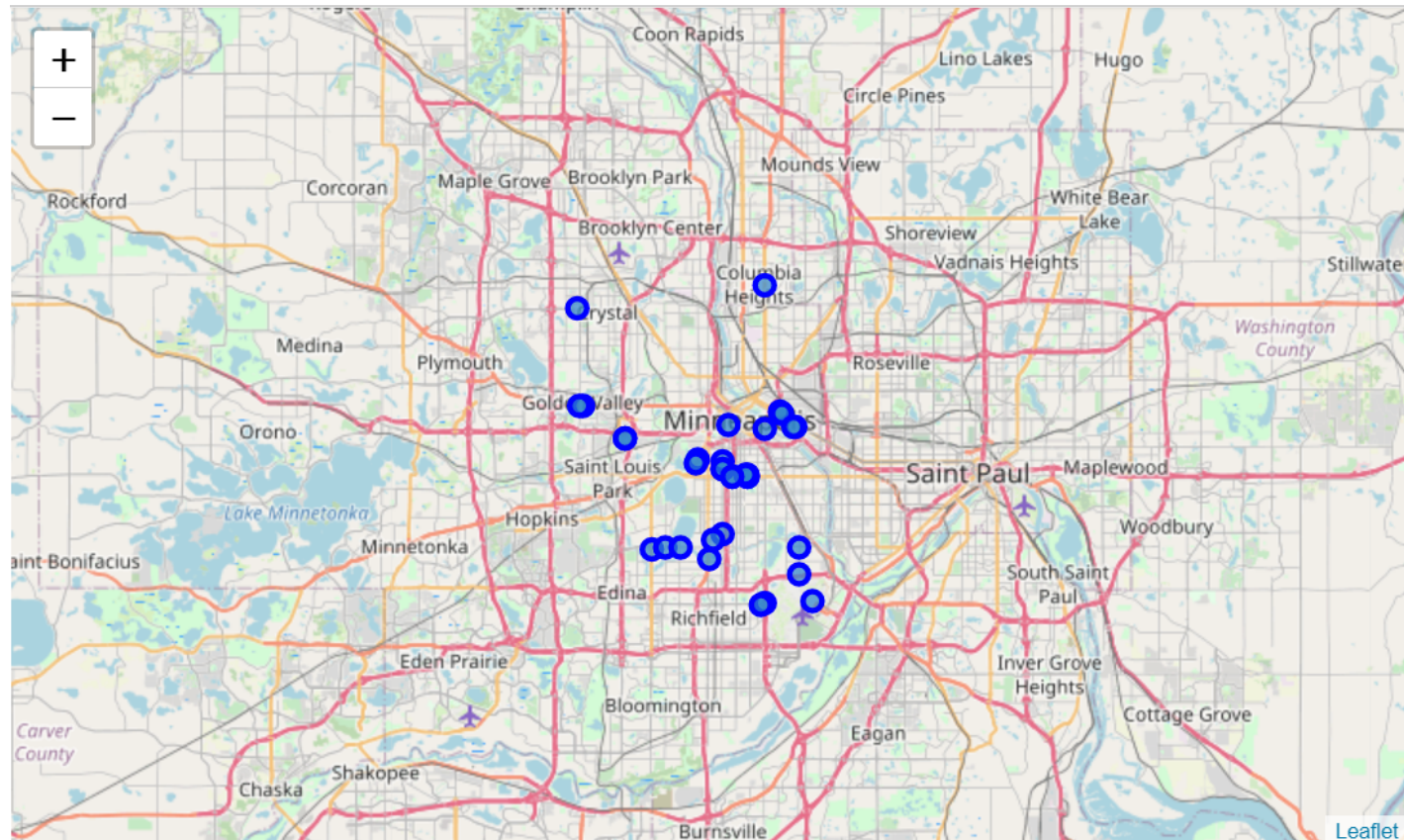


37 Mexican restaurants in Minneapolis

Ratings were found for each restaurant

- Only three had no ratings

METHODOLOGY — MEXICAN RESTAURANTS (MAP)



RESULTS — RESTAURANTS

15% of restaurants were American

24 of the 42 cuisine styles had less than 5 restaurants

Most restaurants are located downtown

Zip codes located farther from downtown had less restaurants

Mean number of restaurants housed in each city was determined to be 9.380952

Ten cities with the most restaurants contain a combined 56.58% of the total restaurants

RESULTS — MEXICAN RESTAURANTS

55467 houses 9 (24%) of the total Mexican restaurants in Minneapolis

The highest rating being 9.0 and the lowest 5.5

Mean rating for the 34 Mexican restaurants with ratings was 7.367742

Many of the included restaurants are chains, but they did have different ratings based on location

VenueRating	
count	31.000000
mean	7.367742
std	0.916656
min	5.500000
25%	6.800000
50%	7.500000
75%	8.050000
max	9.000000

DISCUSSION — LIMITATIONS

Only able to find zip codes, not area names

- Made data more difficult to understand

Foursquare API Premium calls cap

- Limited the number of ratings that could be called
- Unable to retrieve ratings for all Minneapolis restaurants due to this

DISCUSSION — FUTURE RESEARCH

Find a data set that names the individual zip codes further than just "Minneapolis"

Find ratings for all restaurants