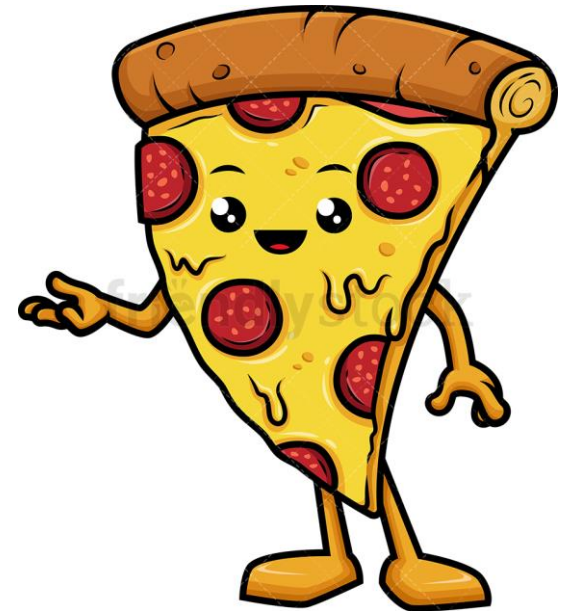


Best Places to Eat Pizza in Texas

Week 5 Project Report



Introduction

- This project looks at the pizza places in five different cities in Texas: Houston, San Antonio, Austin, Dallas and College Station.
- People who are interested in eating Pizza will be super-excited about this and locals of Texas who travel around will really like this work.

Data

- Data about the restaurants in the five cities of Texas, namely Houston, San Antonio, Austin, Dallas and College Station from Foursqaure.
- The number of restaurants in each of the city will exported and then the top 100 restaurants according to the rating will be selected.
- The following data was abstracted from Fourspace: Name, Address, Latitude, Longitude and rating.

Methodology

- We collected the information for all the pizza places as mentioned in the previous section, then these rating were arranged to get the best 100 places according to the rating.
- Further we did mean distance from mean coordinate analysis to find the location to find what would be the most appropriate place to have a hotel so that mean distance to all the pizza places is minimum.

Results

Total number of pizza places in Dallas, TX = 188

Showing Top 100

Total number of pizza places in San Antonio, TX = 170

Showing Top 100

Total number of pizza places in Austin, TX = 168

Showing Top 100

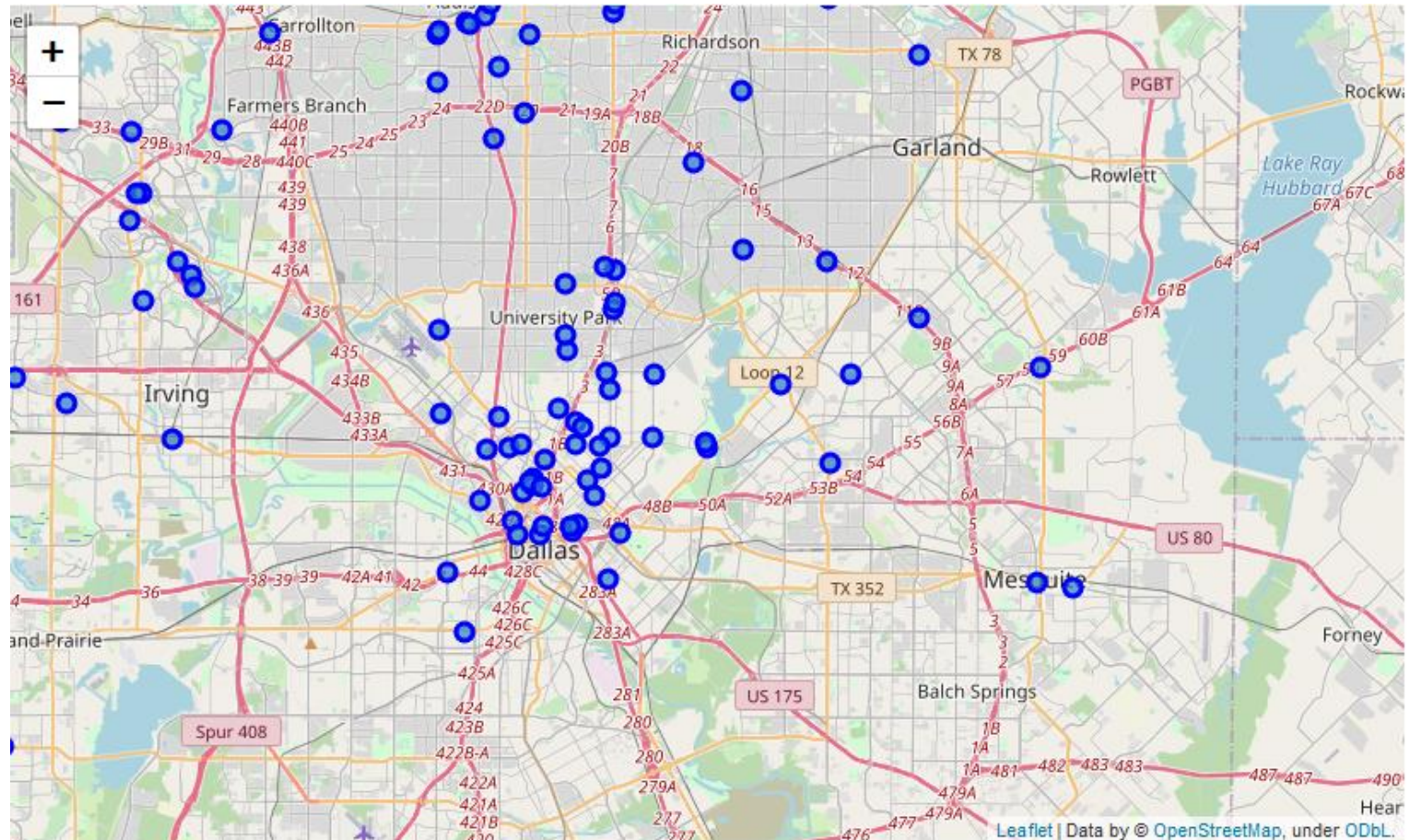
Total number of pizza places in Houston, TX = 198

Showing Top 100

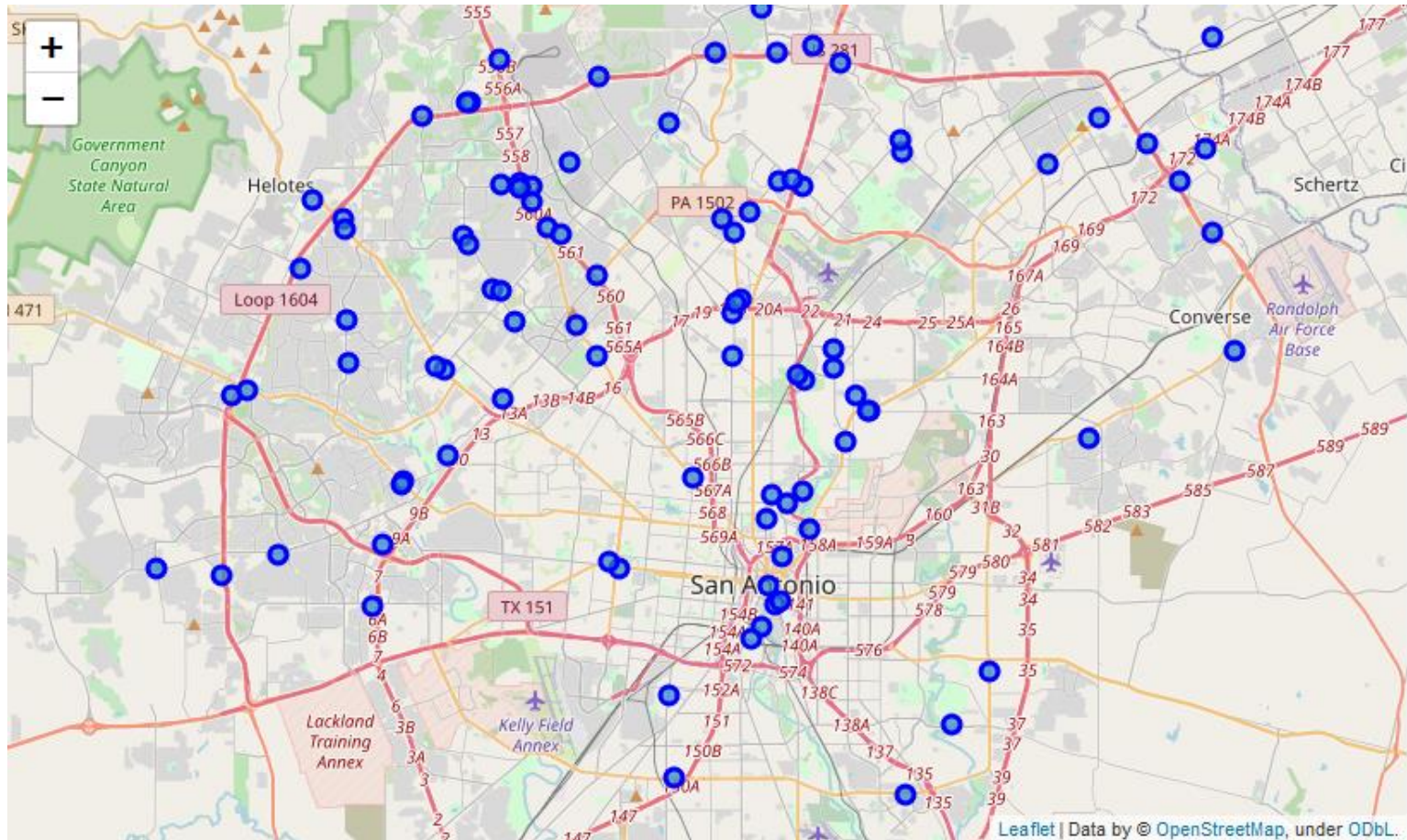
Total number of pizza places in College Station, TX = 64

Showing Top 100

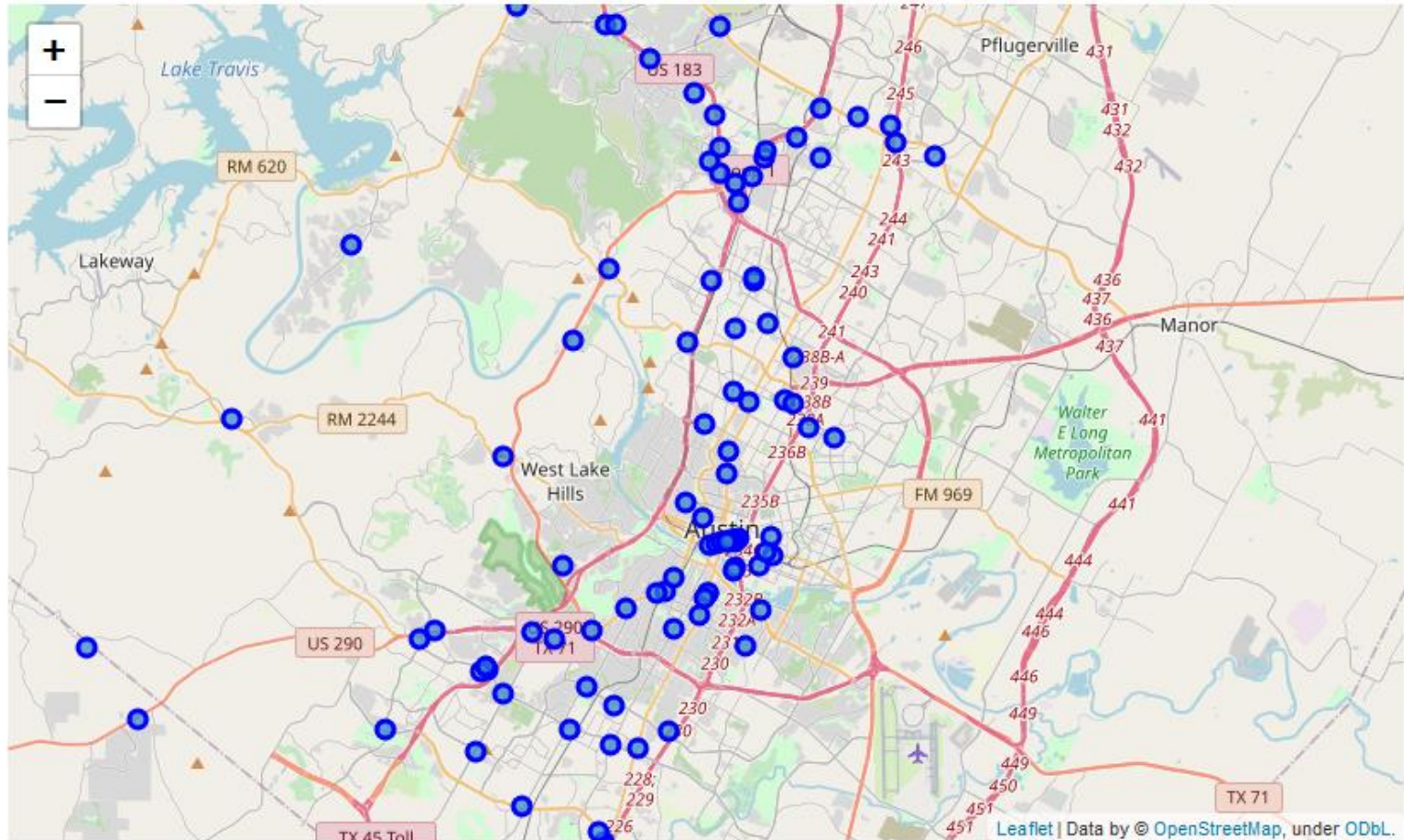
Pizza places in Dallas



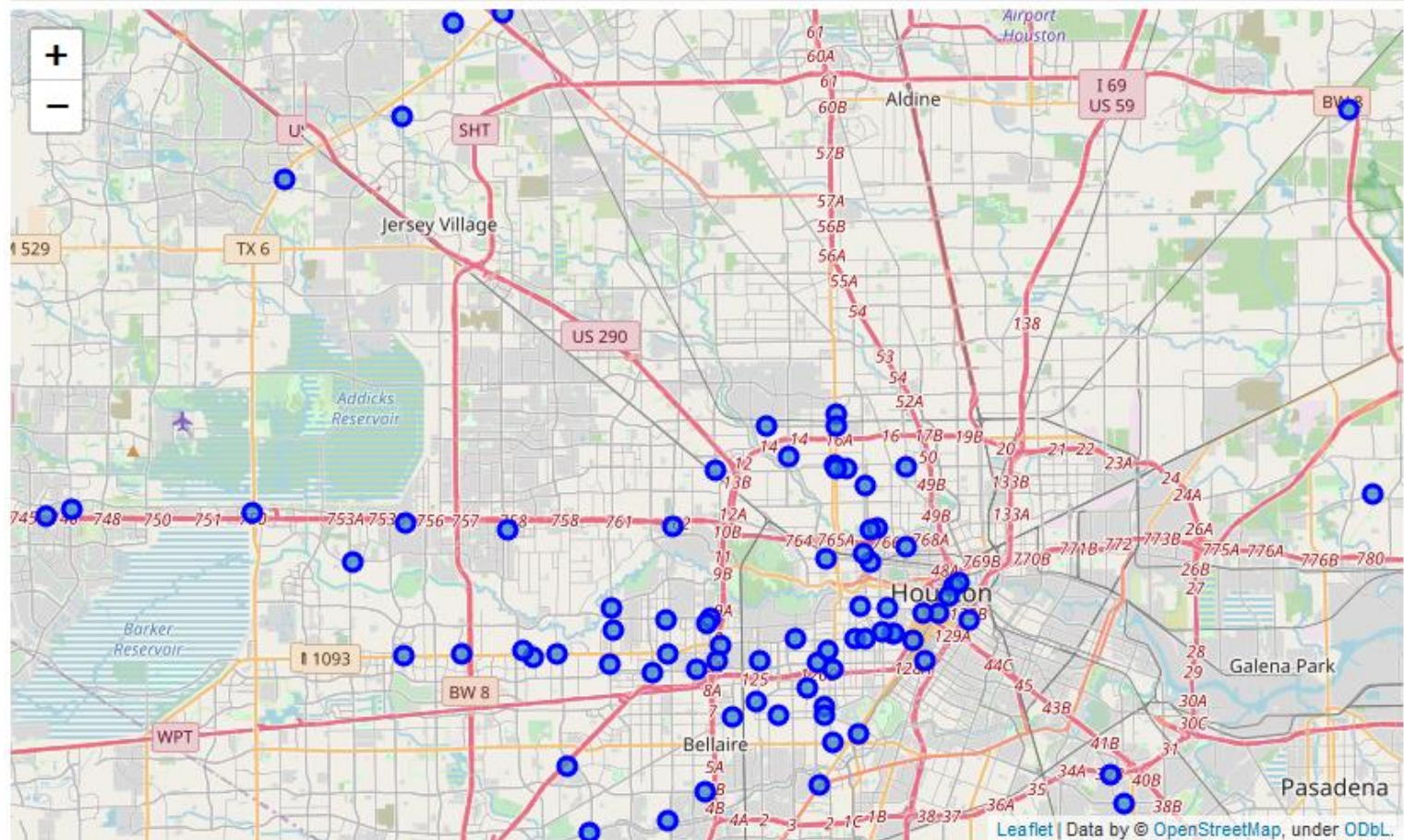
Pizza places in San Antonio



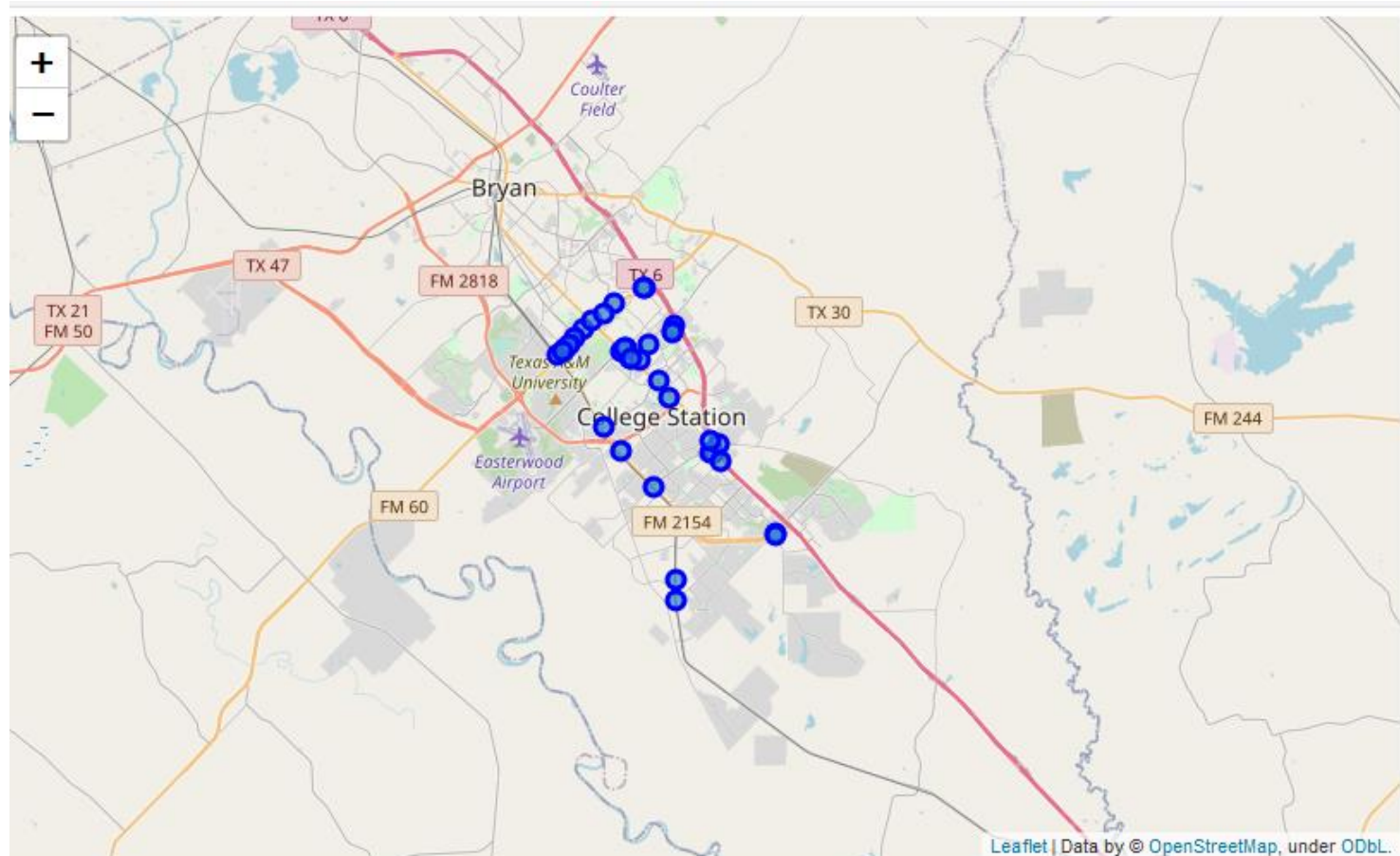
Pizza places in Austin



Pizza places in Houston



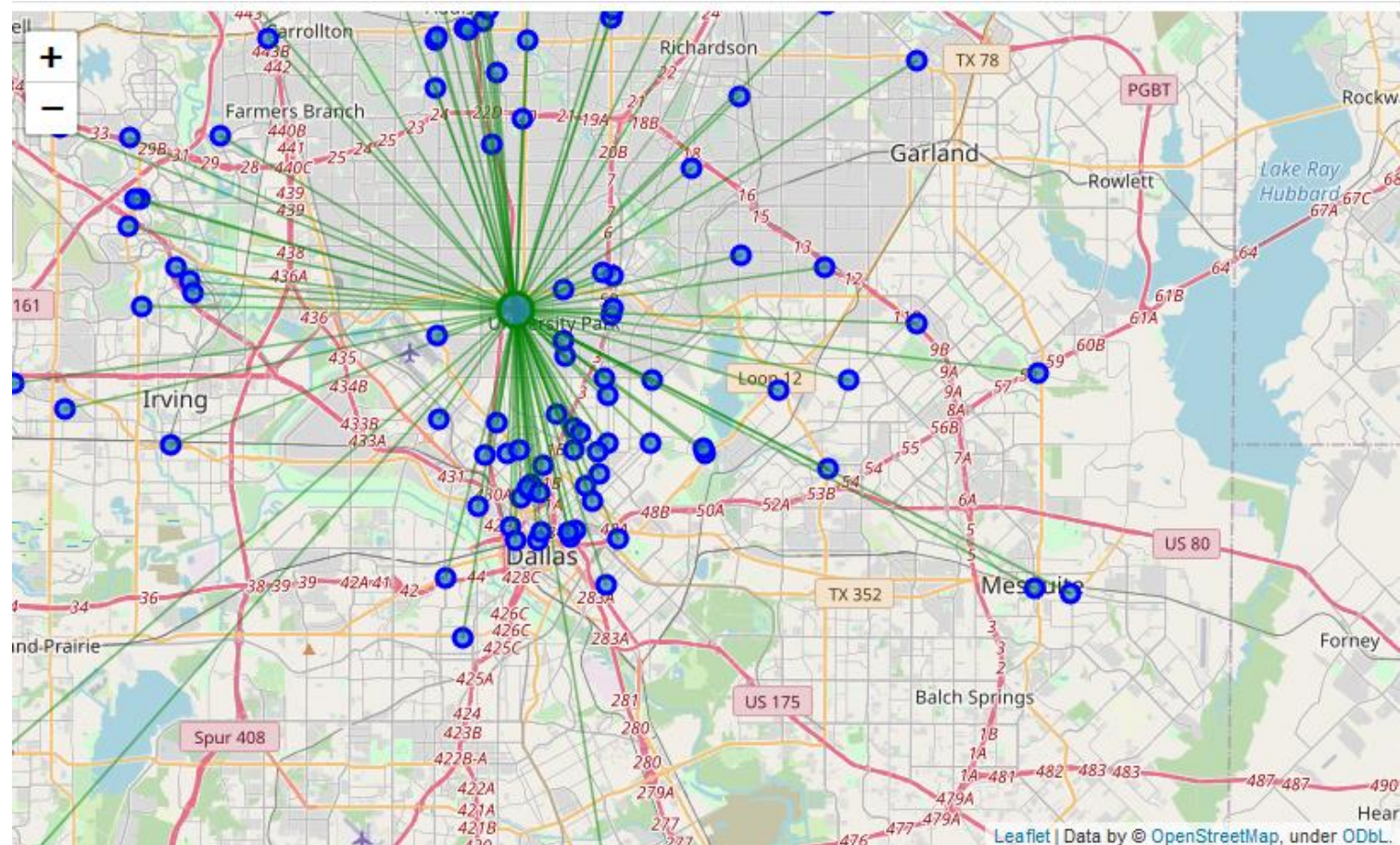
Pizza places in College Station



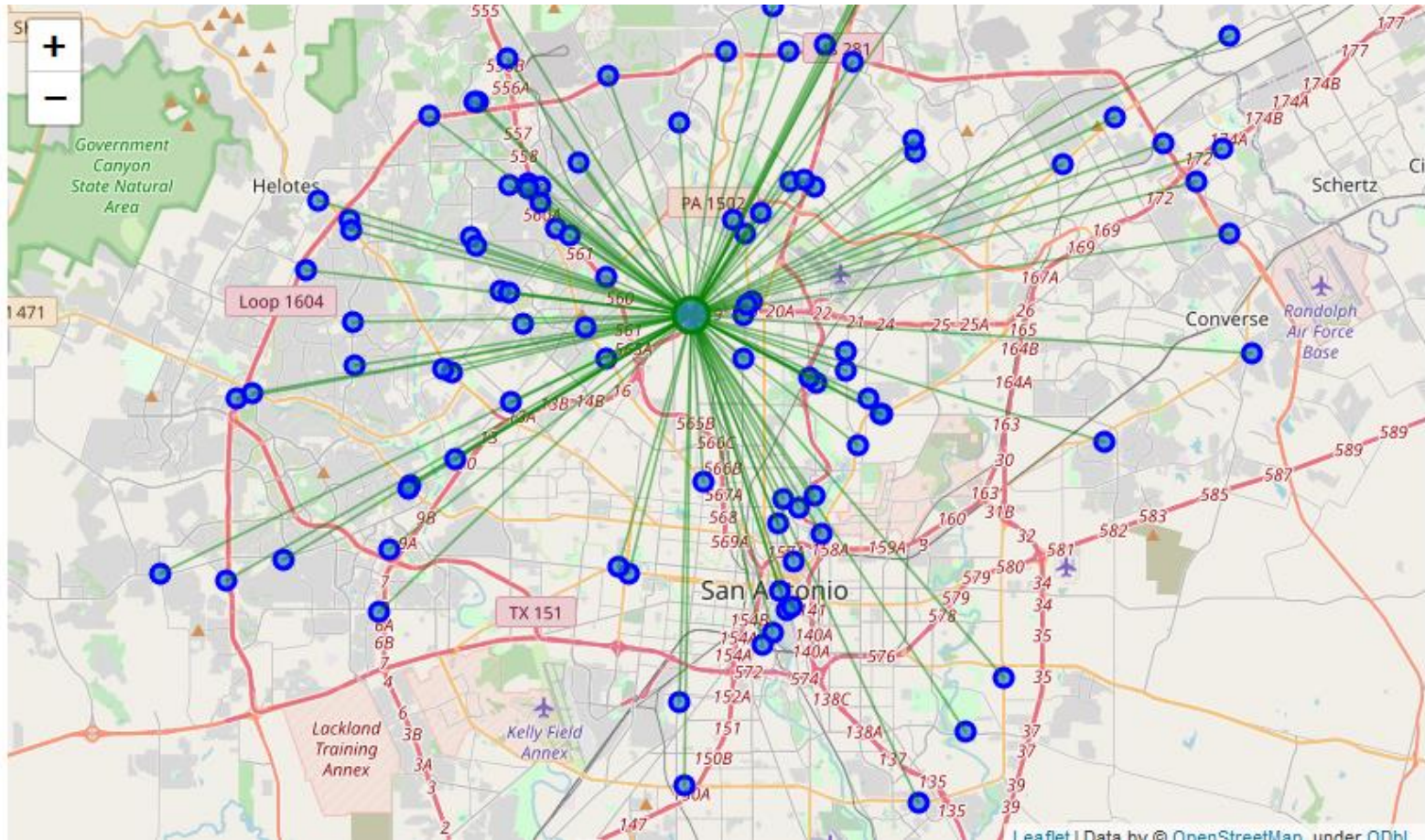
Mean distance of Pizza places in every city from the mean coordinate of the city

```
Dallas, TX
Mean Distance from Mean coordinates
0.10358934209164257
San Antonio, TX
Mean Distance from Mean coordinates
0.11006413355250629
Austin, TX
Mean Distance from Mean coordinates
0.09089413770247289
Houston, TX
Mean Distance from Mean coordinates
0.1295251710173956
College Station, TX
Mean Distance from Mean coordinates
0.030806298016328514
```

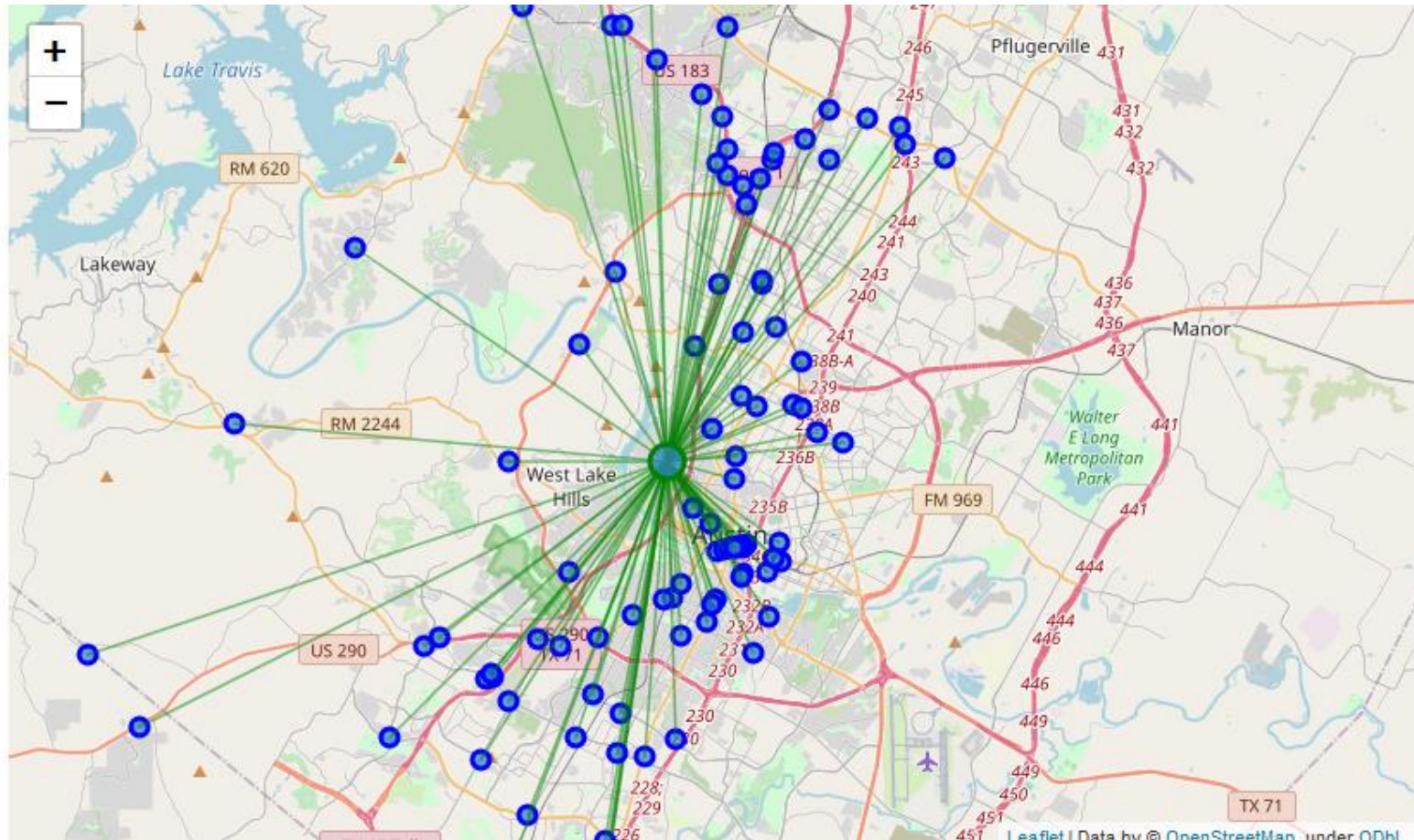

Mean coordinates marked as Green Spot for Dallas



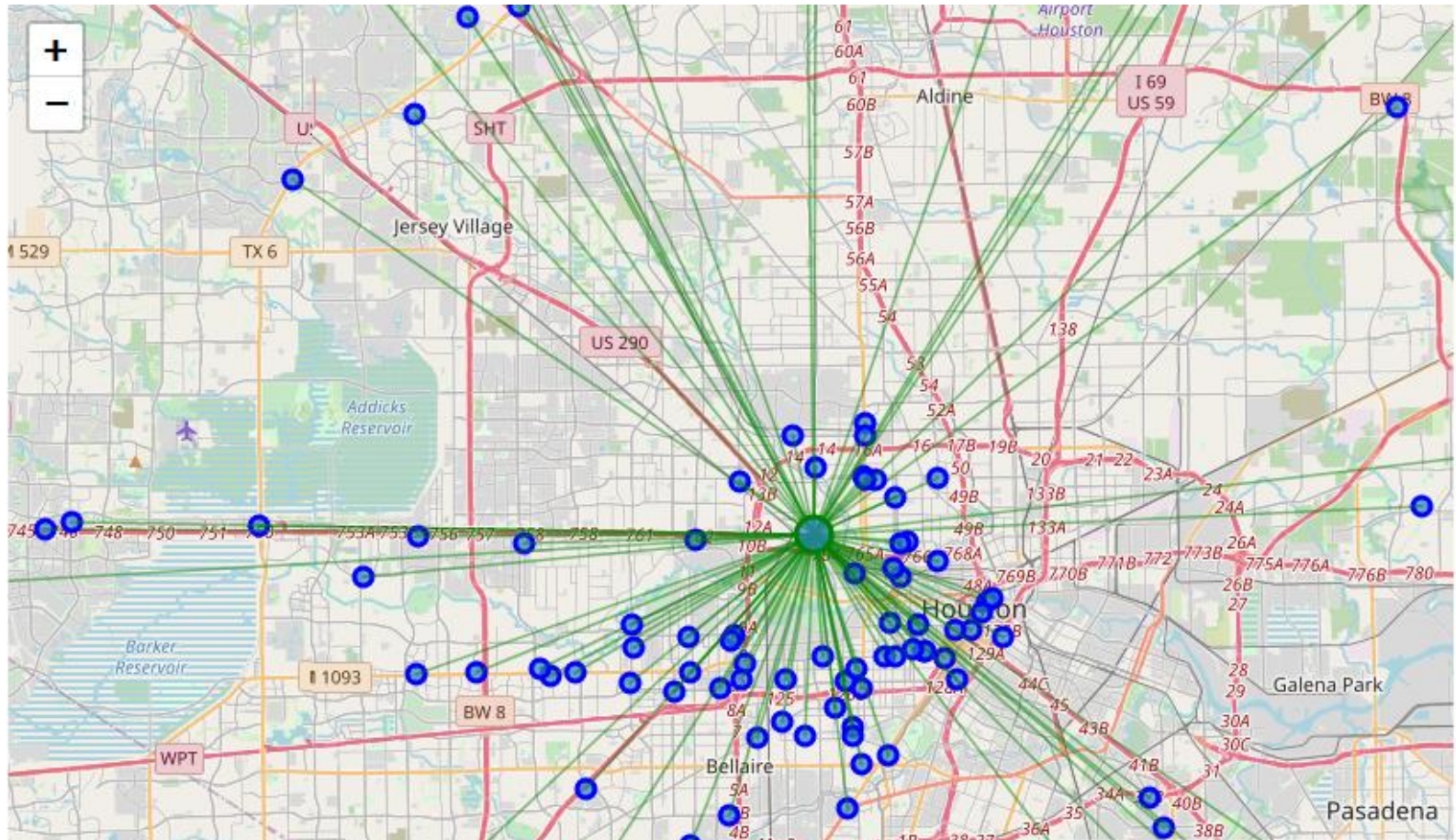
Mean coordinates marked as Green Spot for San Antonio



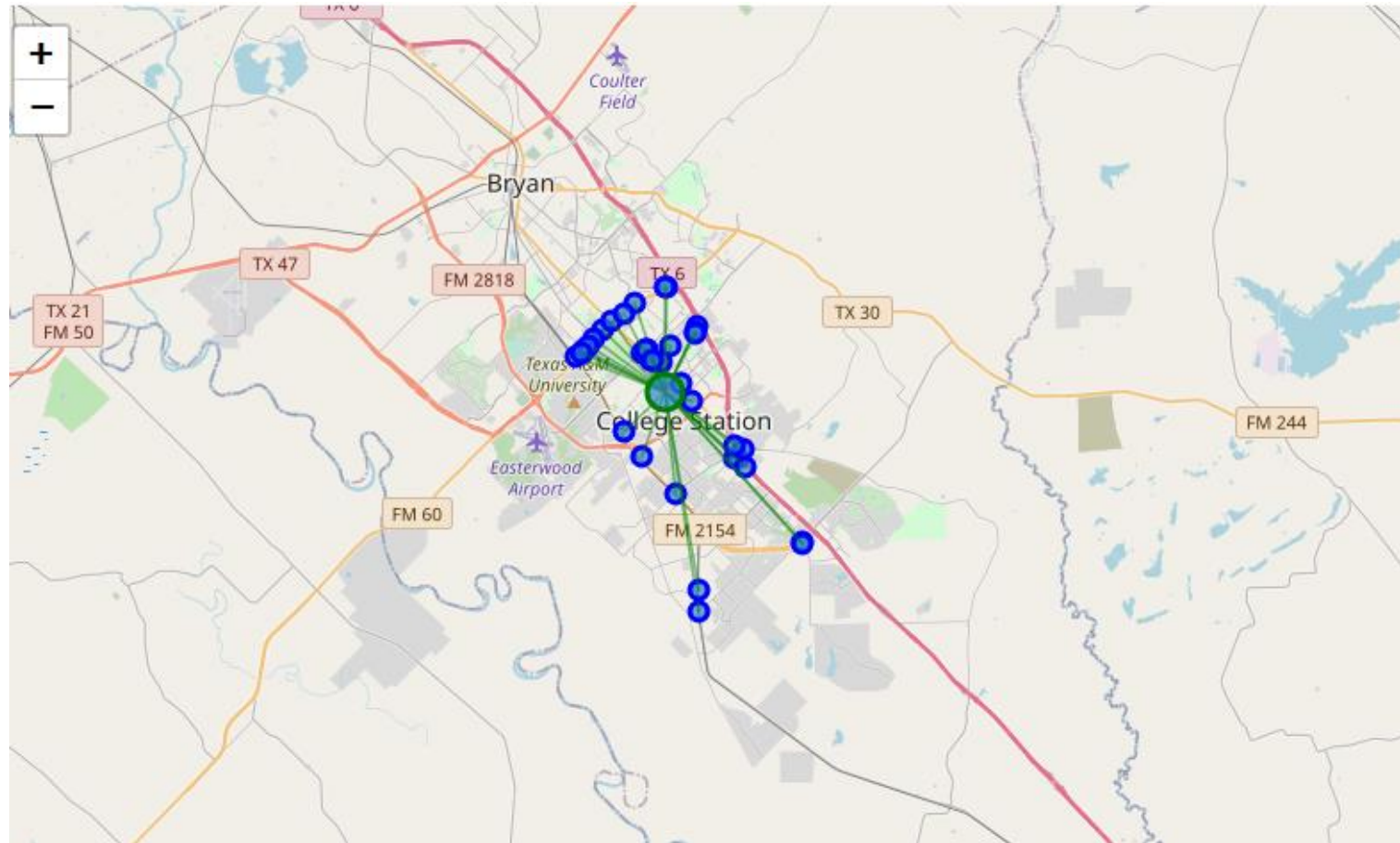
Mean coordinates marked as Green Spot for Austin



Mean coordinates marked as Green Spot for Houston



Mean coordinates marked as Green Spot for College Station



Discussion

- It can be seen in the first five figures that the best pizza places are distributed through the five cities that we examined. Houston has the most number of pizza places whereas College Station has the lowest number of pizza places.
- We can also understand how much the pizza places are spread in each city. Houston has a wide spread of the top places, whereas the pizza places in College Station are concentrated in only one part of the town. Dallas and San Antonio on the other hand are much more evenly spread.
- This can also be inferred from the calculations of mean distance from mean coordinate. Houston had the highest number value for mean distance from mean coordinate, whereas College Station has the smallest. This value is also small for Austin as the city is laid out on a longer strip.

Conclusion

- We used the Foursquare data to analyze the number of pizza places in Texas, in five cities, namely Austin, Houston, San Antonio, Dallas and College Station. We see that Houston had the greatest number of pizza places and the most spread out top 100 pizza places as well. The least number of pizza places as well as least spread out according to mean distance from mean coordinates.