Final Project

What should you do for your first night in a new apartment?

IBM Applied Data Science Capstone

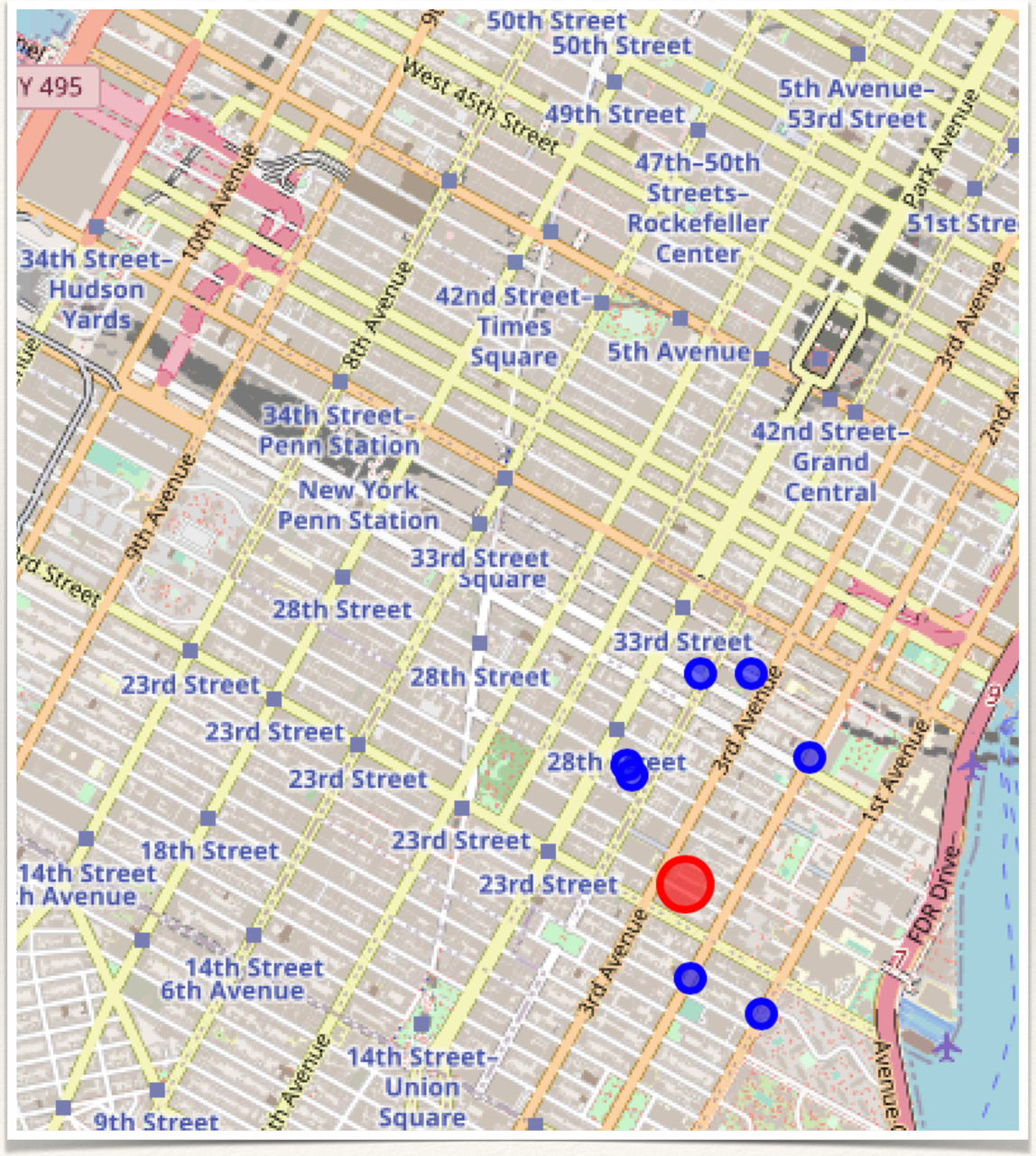
Introduction and Problem

- People move to new apartments / dorm rooms in a new neighrborhood and don't know where to go out for the first night
- They might want to go to get dinner with their family or out to a bar to meet new friends
- Nominatim used for geospatial data
- Foursquare used for data on places and ratings
- This project develops a way for identifying restaurants close to the apartment location for eating and meeting new people

Family Dinner Data Analysis

Methodology

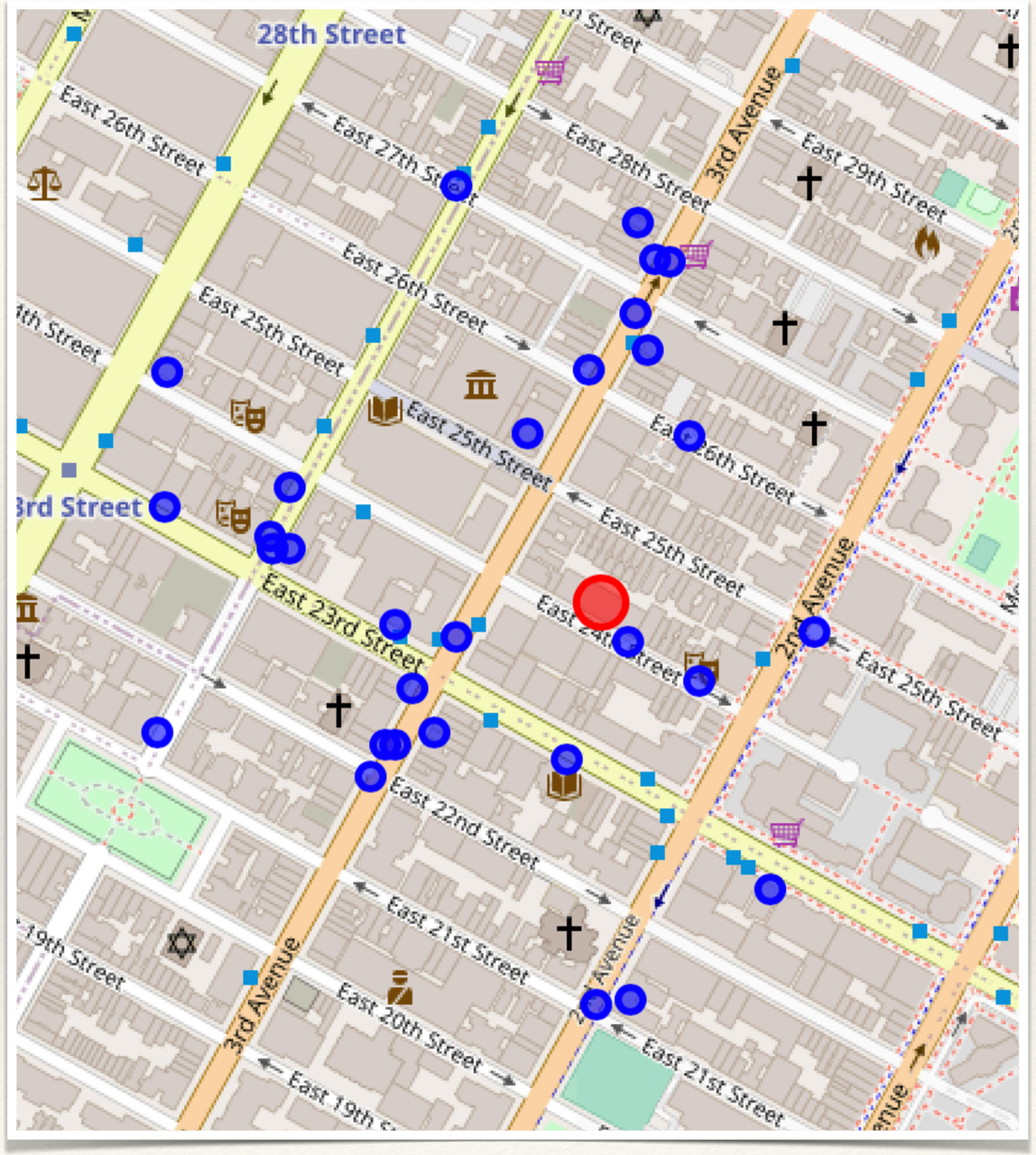
- Searched for Italian restaurants near the apartment location
- Looked at the distance of the restaurants from the apartment
- Researched the ratings of each restaurant
- Selected restaurants with high ratings and menus with dinner options



Night Out Data Analysis

Methodology (ctd.)

- Used the Explore API to look at several locations around the apartment
- Limited the search to 30 locations
- Looked for bars
- Plotted locations on a map to determine distance to apartment



Conclusion

- Three options for dining: Olive Tree Italian, Lena's Italian Kitchen, and Italian Danish Food Mafia
- Four options for bars: Craft + Carry, Freehand, Simon and the Whale, Molly's Shebeen.
- This tool can be used in the future for people who are looking for a restaurant and bar to go to in a neighborhood that they are unfamiliar with.