Acquiring safe travelling sessions for cautious travelers

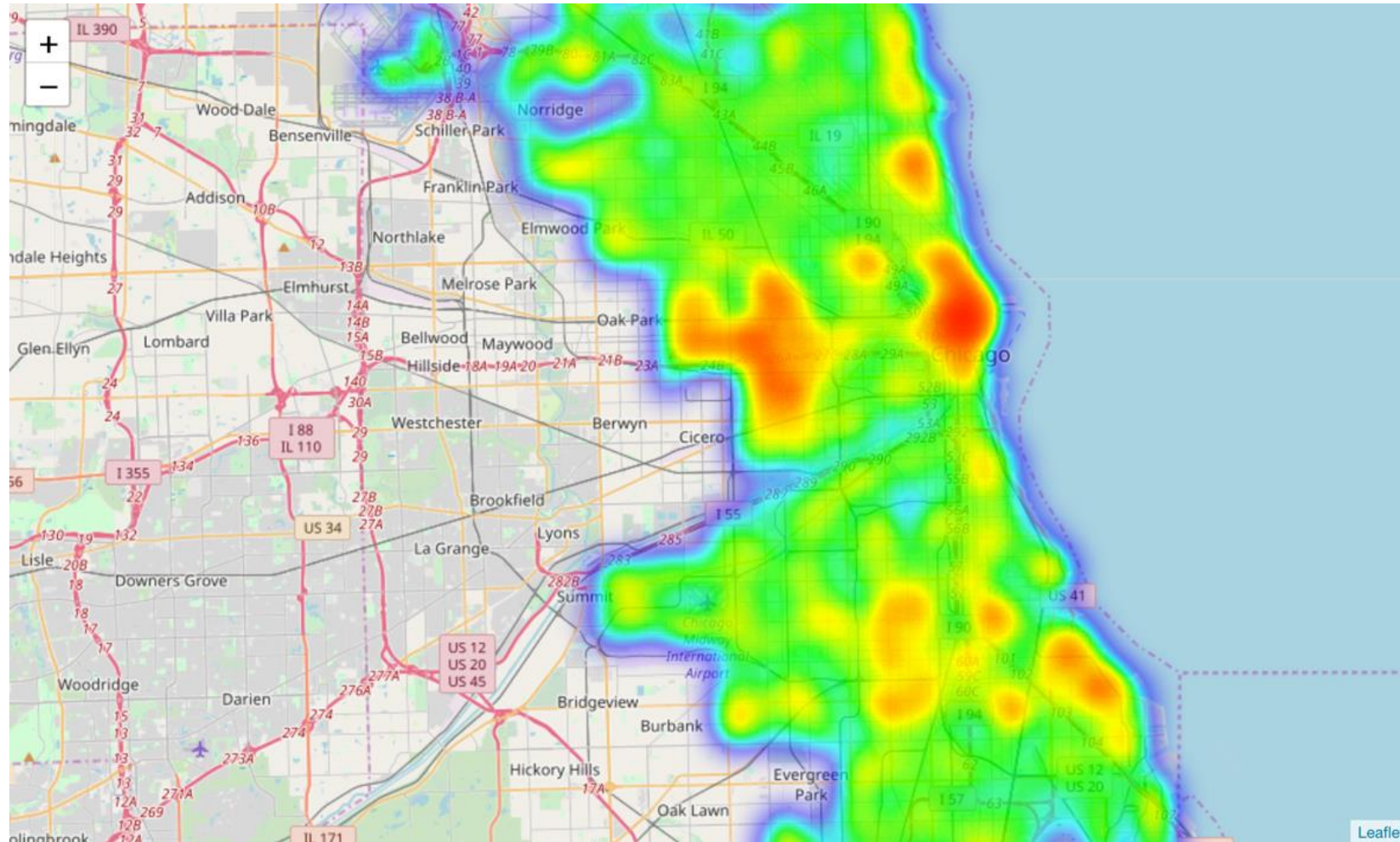# Data can help in safe traveling

- Whenever we travel we like to be safe and explore the best places.

- This focuses on single females and elderly people.

- A map is presented to the to the traveller showing the selected venues and crime statistics of the area.

- The future probability of a crime happening near or around the selected top sites is also presented to the user.
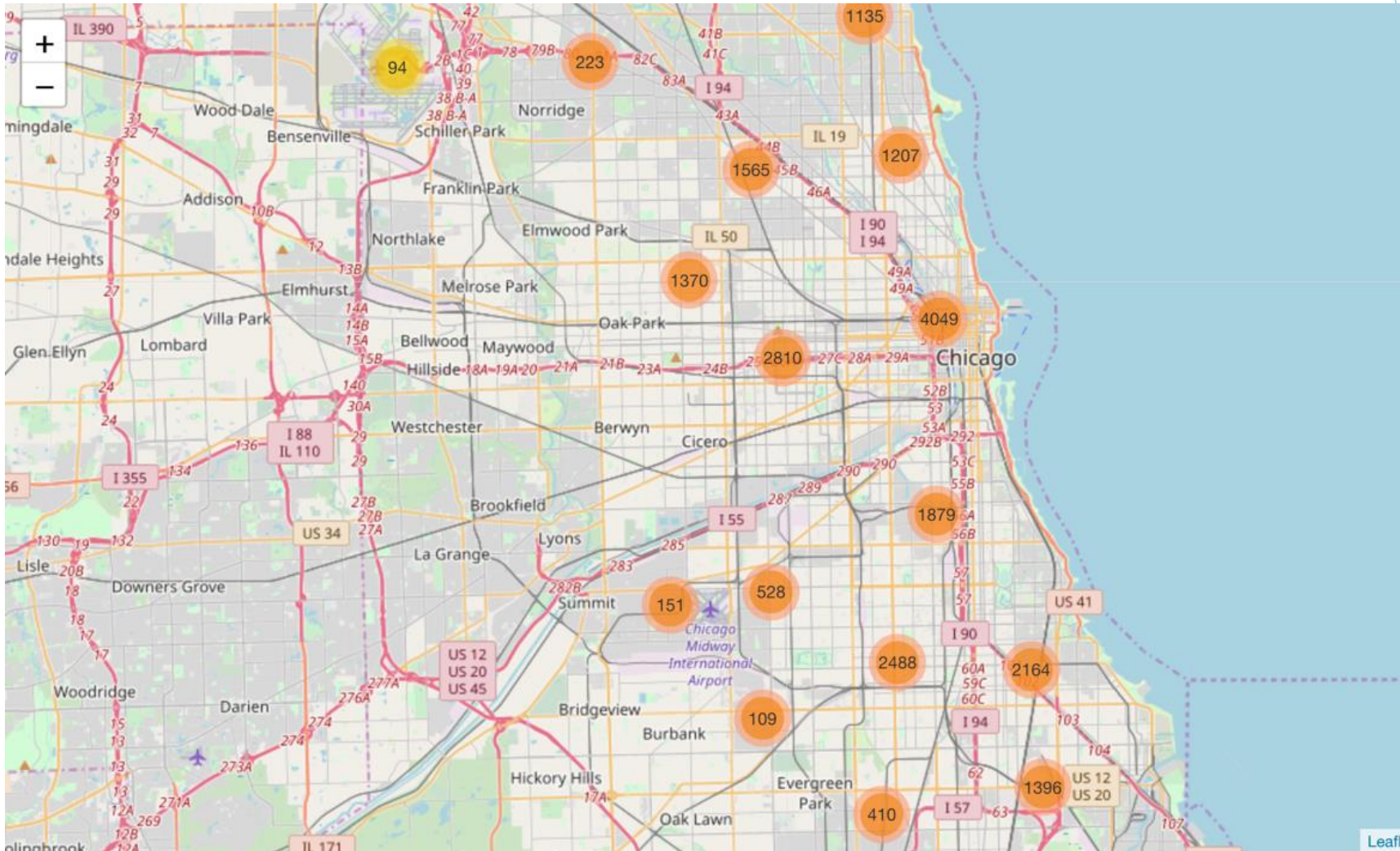
Data Acquisition and cleaning

▶ Query the FourSqaure website for the top sites in Chicago

▶ Use the FourSquare API to get supplemental geographical data about the top sites

▶ Use the FourSquare API to get top restaurent recommendations closest to each of the top site

▶ Use open source Chicago Crime data to provide the user with additional crime data
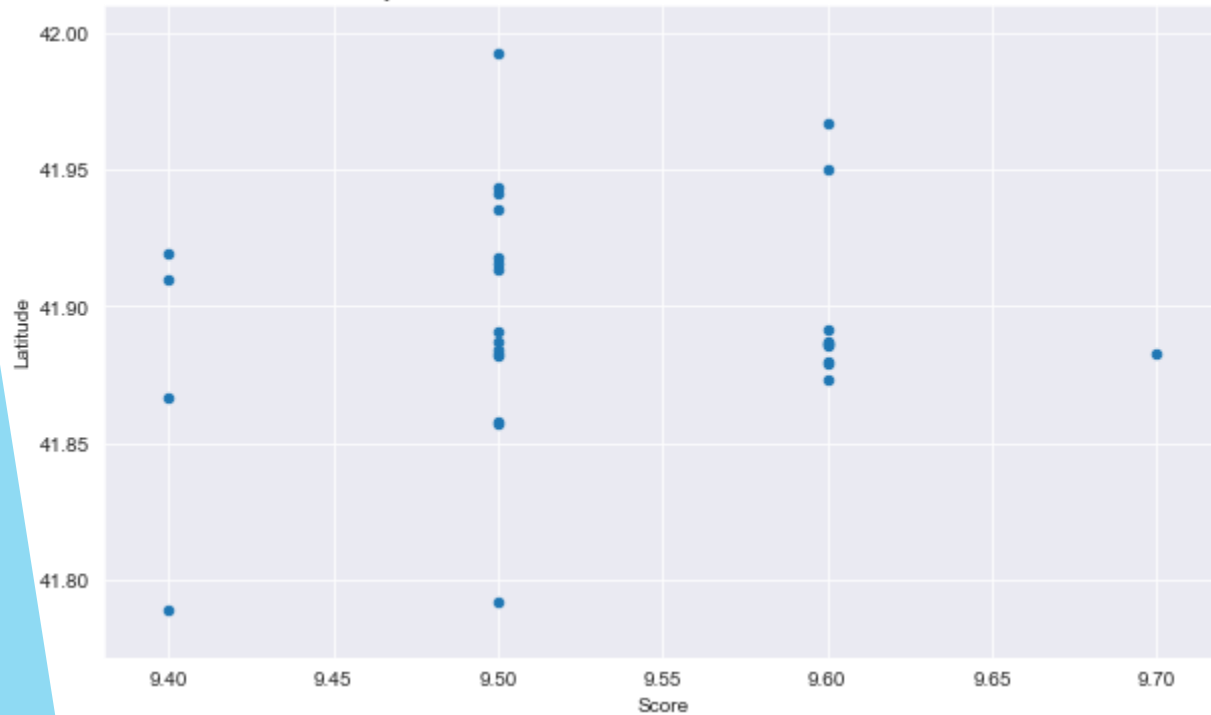
A heat map of the crime committed in August

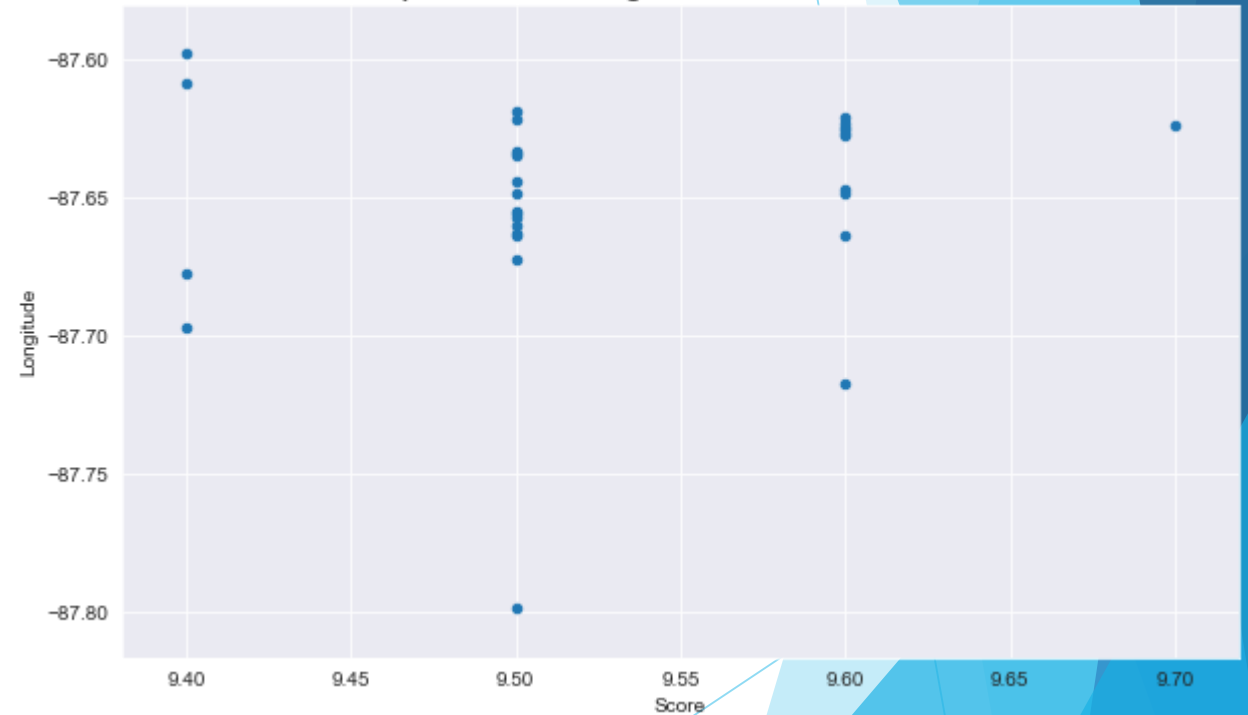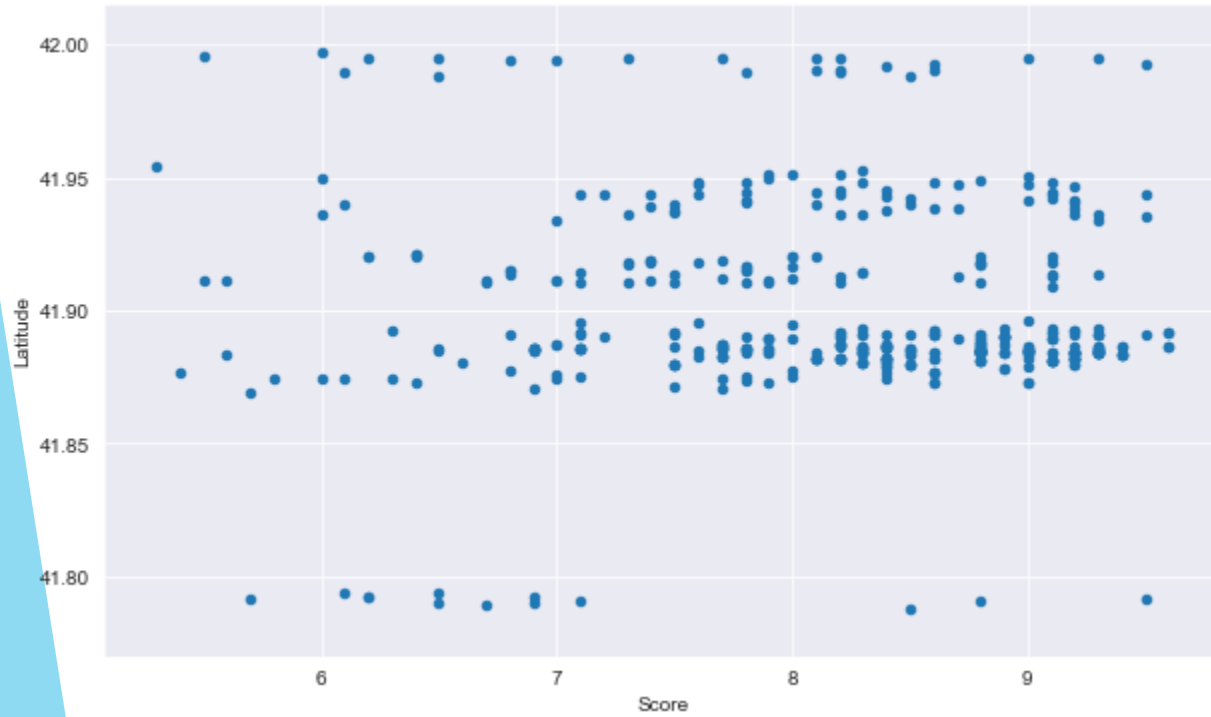# Crime data clustered for a single month

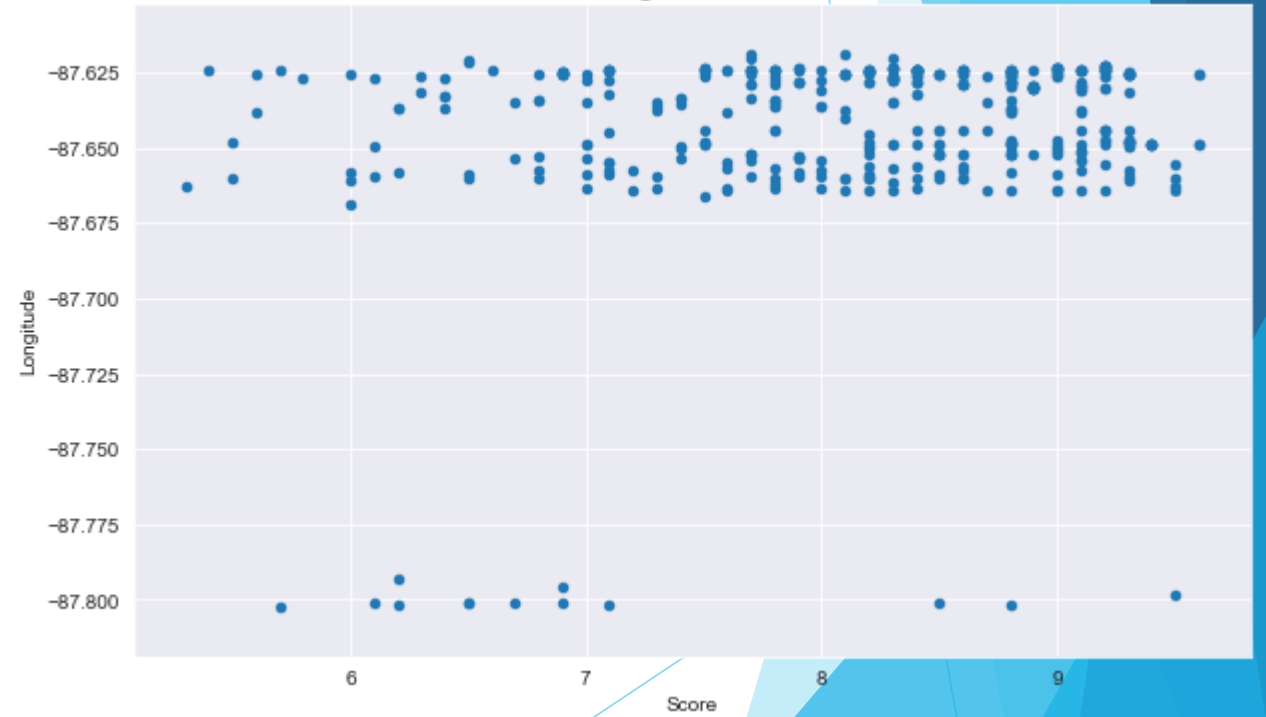# Scatter plot of top venues longitude/latitude and score

Scatter plot of restaurants longitude/latitude and score

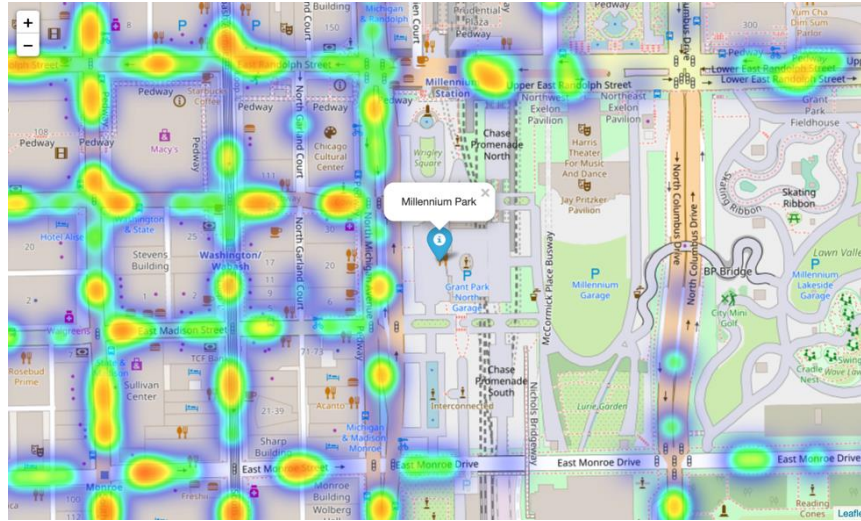Scatter Plot of Restaurants Latitude and Score

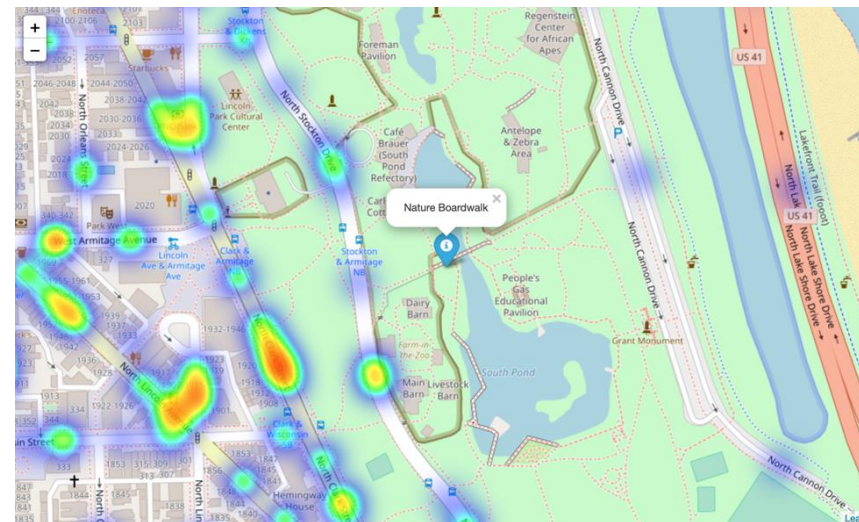Scatter Plot of Restaurants Longitude and Score

Visualization of Predictions

As compared Grant park and Nature Boardwalk has much less crime rate as compared to Millennium park and Chicago Theatre

Conclusion and further development

- Goals are met showing map with the required data.
- Travel would be easier with the help of the gained maps.
- Further :
  - Best time to visit each venue
  - Suggestions for morning, afternoon, evening and night time
  - Daily itineraries
  - Route planning and transportation