**Project 2 Proposal**

**Group 10**

**Topic:** Restaurant Inspection Violations in the City of Minneapolis

**Overview:** Minneapolis has a vibrant food/restaurant scene.

The City of Minneapolis shares information about restaurant inspections. Our group was interested in identifying neighborhoods that had quality restaurants.

**Members:** Joe Raasch, Luis Gomez, Roberto Pupo, Terra Vaughn

**Link:** <https://opendata.minneapolismn.gov/datasets/food-inspections?geometry=-93.858%2C44.865%2C-92.552%2C45.035>.

**Minneapolis Neighborhood GeoJSON:** <https://opendata.minneapolismn.gov/datasets/minneapolis-neighborhoods?geometry=-93.915%2C44.886%2C-92.608%2C45.056>

1. Choropleth of the latest inspection score by neighborhood - (***Leaflet***) - Terra
2. Top 10 Restaurants with the most violations - (***Plotly pie or bar chart***)
3. Cluster Map of Mpls. - ***Leaflet*** (multiple layers)
4. Line graph showing food inspection score over span of dataset, using a drop-down - Luis

Chartly or Apex charts - or a Leaflet plug-in that we did not use in class (Dom’s recommendation)

Load data into Jupyter Notebook, clean it up, put into a database

Use a Flask server

Class 10.3 Activity 10

**PRESENTATION OUTLINE [DRAFT]**

1. **Introduction - Joe** (what is the project, who are the team members - may want to discuss that Joe and I paired up.)

=> Where the data came from

=> ETL in Jupyter Notebook (see #2 below)

=> Discuss fancy Jumbotron

1. **Cluster Marker Map - Terra**

=> Used Leaflet - requires JS plug-in and its own CSS in index.html

=> Interacts with the Plotly line graph

1. **Plotly Line Graph - Luis**

=> Discuss event handler and maybe the challenge of setting the date?

=> Additional info. as determined by Luis

1. **Apex Bar Graph - Roberto**

=> Information from Roberto

**19.2 Lecture Notes - May 8, 2021**

1. No longer than 15 minutes
2. Don’t have to show every line of code that we’ve written - wants a higher level overview.
   1. *Ex.* “We started out by doing an ETL - here is our Jupyter Notebook… (scroll, scroll, scroll). Here is the database, we did some clean-up (scroll, scroll, scroll), and then loaded it into the database.

**(NOT THE TIME TO SHOW OFF EVERY LINE OF CODE.)**

* 1. *Ex.* “We created a map using Leaflet, as you can see, we have layers that you can click on and off. To get this map to work with this graph, we had to create an event handler… etc.”
  2. Don’t go over every line, but if there is an area in the code that was tricky or that we used to solve a problem, we can point that out.
  3. *Ex.* “For this graph we used a different javascript library (Apex/Roberto) that we didn’t use in class.”
  4. Have to be on camera.