**Project Proposal**

1. We will be creating a geo map of crime data in LA. The map can be filtered by the following categories to give the user more detailed information on a specific group of people. The data we used was specific to charge 41.18 SITTING, LYING, OR SLEEPING OR STORING, USING, MAINTAINING, OR PLACING PERSONAL PROPERTY IN THE PUBLIC RIGHT-OF-WAY.
   1. Race
   2. Year
   3. Arrest Type (misdemeanor / infraction / other)
   4. Age
   5. Sex
   6. Time (seasons of the year)
2. Java Script Libraries
   1. Chart.js
   2. Plotly.js
   3. Leaflet
   4. Victory re-charts
   5. Cross filter
3. Basic Outline of Using Libraries Together
   1. Set Up Leaflet and Heatmap.js:Initialize Leaflet to create the base map.Integrate Heatmap.js to add heat map functionality.Load Data and Create Heat Map:Load your data (e.g., coordinates with intensity values).Use Heatmap.js to generate the heat map layer based on your data.Add Popups:Use Leaflet's built-in popup functionality to display additional information when a user interacts with a data point on the map.Implement Filters:Create custom UI elements (buttons, dropdowns, etc.) using Leaflet's controls to allow users to filter the data displayed on the map