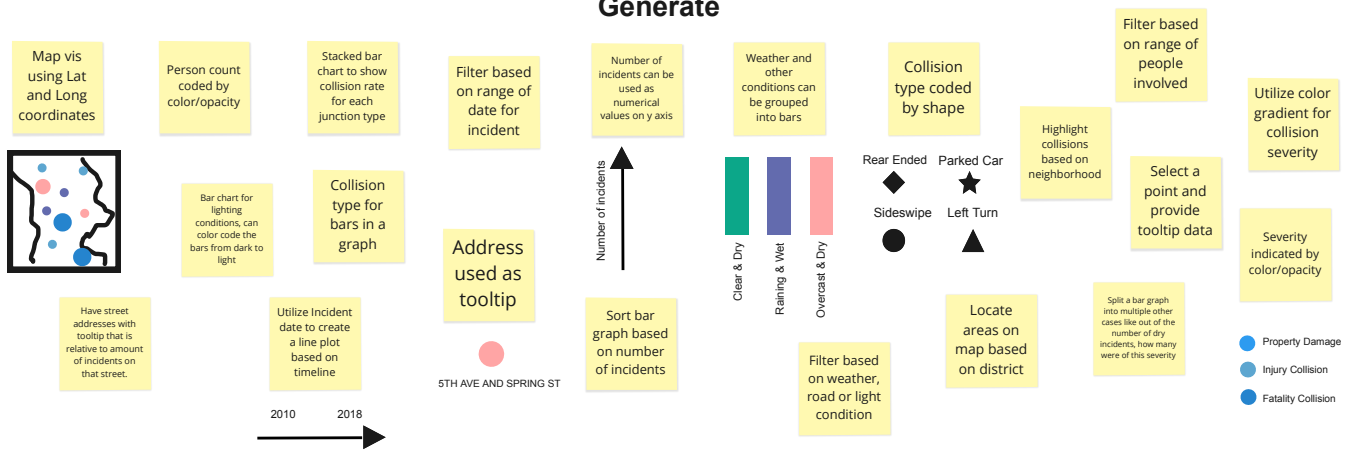
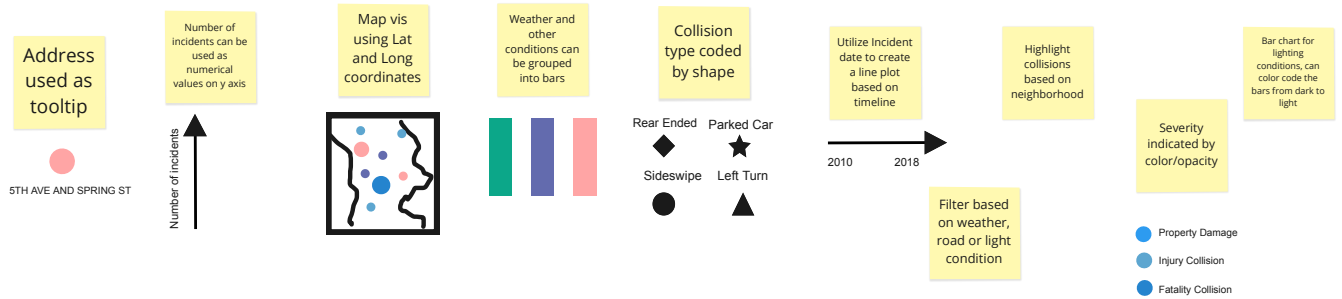


## Generate

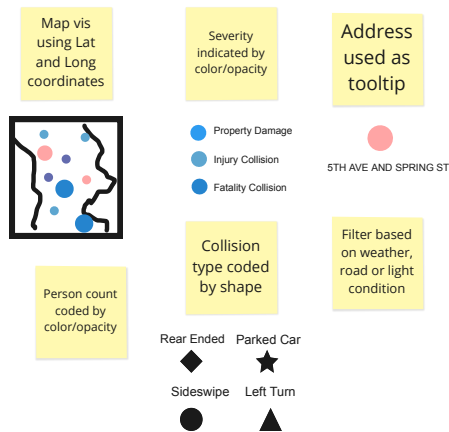


## Filter

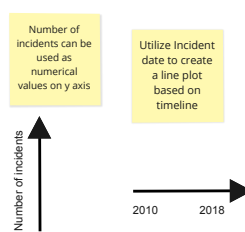


## Categorize

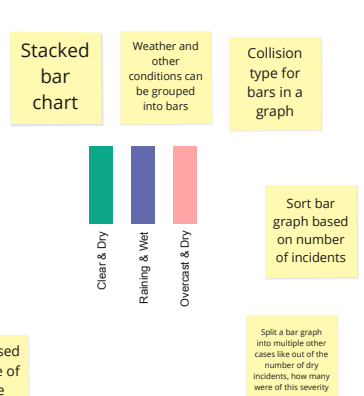
### Map Visualization Ideas



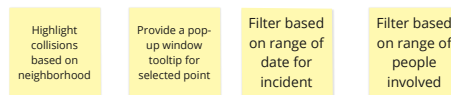
### Line Graph Visualization Ideas



### Bar Graph Visualization Ideas



### General Visualization Ideas



## Combine & Refine

### Density Map Sketch



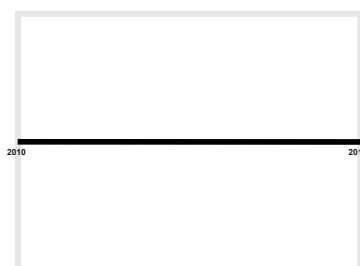
Filter by:

Rainy

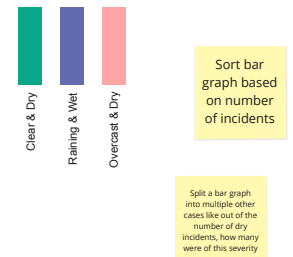
Dry

With stakeholders in mind, a map visualization best suits our target audience. Unfortunately, we can most likely only use color as an indicator due to size of dataset.

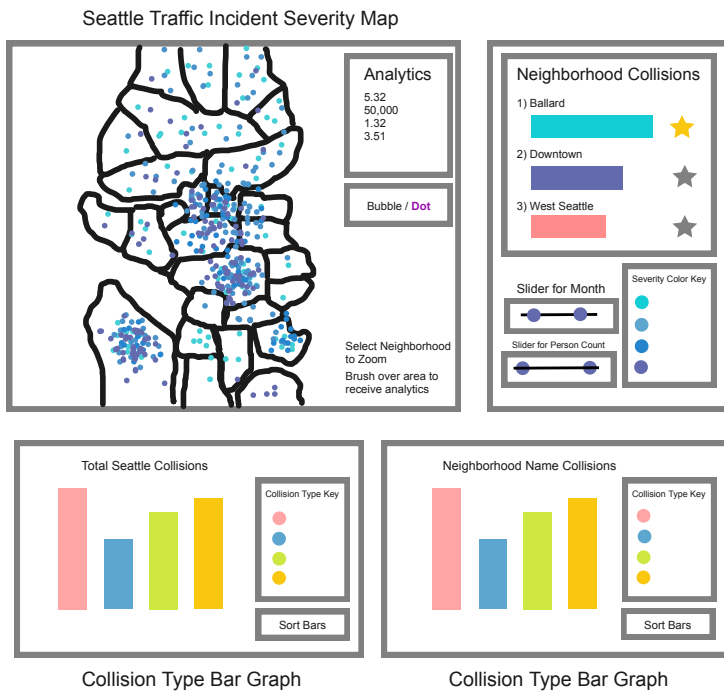
### Timeline Line Graph Sketch



### Bar Graph Sketch



## Layout



## Meta-data

Title: Map-Centered Visualization  
Author: Daniel Pham  
Date: 11/18/21  
Sheet Number: 2  
Task: Initial design to scope out visualization

## Operations

### Ranked Neighborhoods

- The ranked neighborhood collisions allows users to get a ranked understanding of how many collisions there are, selecting one directs redirects the map to that neighborhood.

### Sliders for Month and Person Count

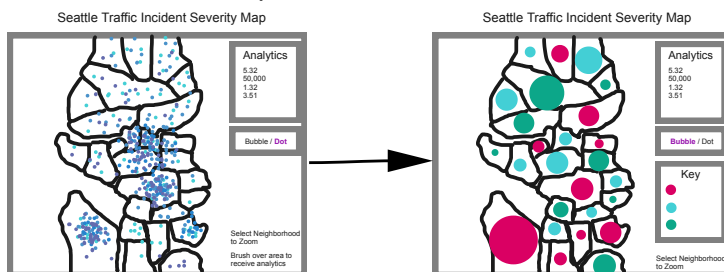
- Changing the sliders filters the data let in, you can adjust months to only be from June to August for example.

### Sort Bar Graph

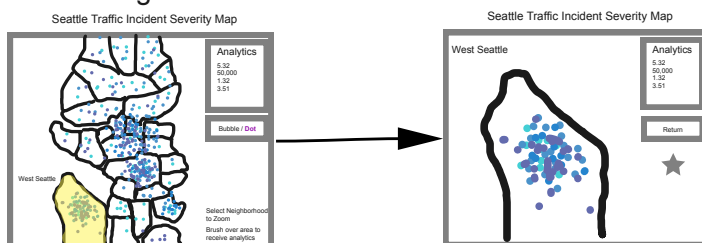
- The Bar Graphs are ordinarily sorted alphabetically by collision, but can be sorted by height.

## Focus/Zoom

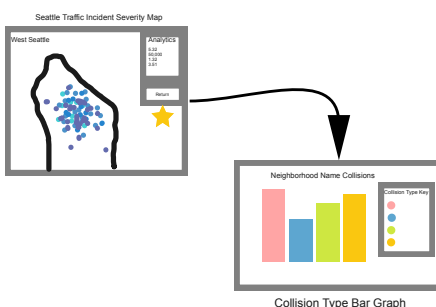
### Bubble vs Dot Map



### Select Neighborhood



### Add Neighborhood Bar Chart



### DESCRIPTION

The key focus of this visualization is to provide quick and effective information about different areas of Seattle, while avoiding over plotting and an overwhelming amount of information. This means both abstracting information and deriving information in better ways.

## Discussion

### PROS:

- Is generally easy to navigate and avoids overwhelming information
- Includes multiple characteristics to examine, and gives a good rundown of each neighborhood
- Answers important questions that traffic enforcement, emergency services and policy makers need to ensure that area needs are being met.

### CONS:

- Data from ranked neighborhood collisions kind of repeats the map data but in a different form
- Could provide more complex information
- Does not have as much room for multiple variables, like what were the weather conditions?
- Reliant on creating neighborhood boundaries