**INITIAL ANALYSIS**

* **What do you see as variables in the data?**

tree\_id, block\_id, status, health, guards, sidewalk, spc\_common, address, postcode, zip\_city, latitude and longitude, problems, root\_stone.

* **What correlations, patterns and trends do you see?**

For audience they can use tree\_id to find the location of the tree, its health and other properties of the tree.

* **Who will be the audience of the data? What question would they ask about the data?**

The audience in general for this data can be officials from horticulture department, environmental activists, residents from the neighborhood where the trees are located, department of recreation.

* **What questions would you propose to answer to your audience through the data viz?**

what is the density of plantation over cities.

* **How could a dashboard be used to show data clearly?**
* Since we have the variables latitude and longitude, we can create a map which shows the location of trees using the variable health and status we can also know how the tree is doing.
* We can use bubble chart or tree chart to list top 5 problems and also to describe top 5 tree species.
* **What types of graphs and charts can be used to clearly explain the data and answer the business question?**

Bubble chart

Line charts

Maps

Bar charts and

Tree maps can be used in the dashboard to explain the dataset.