

Signature Individual Essay

The main objective of our group project for the NY 2015 Census Tree Dataset was to analyze and visualize tree data spread across various boroughs of New York.

Based on my background in Data Research, I designed the layout of which topic should we choose within the dataset and consider it our primary focus to analyze the data with RShiny and Tableau.

Then, I was responsible for creating and managing team meetings for all the weeks. From creating Zoom meetings to coordinating with every team member on a personal level I believe my team skills were well utilized.

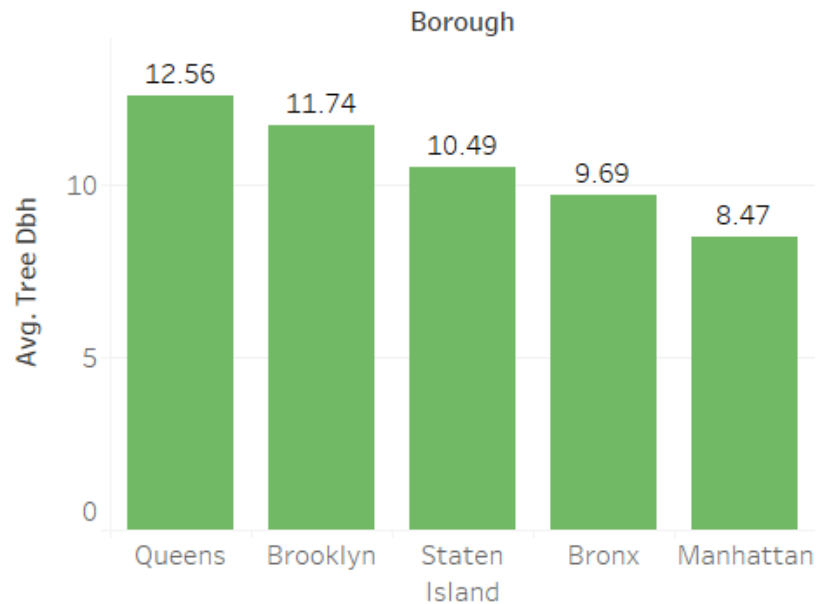
Our next project was to work on RShiny's first part, where my job was to try different dashboards and find out which category might work best. After trying various combinations, I came up with the following graph.



R shiny was very helpful in analyzing outputs from analyzing the Borough perspective to Tree species.

At the meeting after the Rshiny Application we prepared for our final project. We came up with three major topics which we will cover in the presentation. My primary idea was Analyzing Borough which I got a chance to present in the class presentation too.

As a result of various analyses, Staten Island is found to have the highest number of trees, while the lowest number is found in Manhattan. Despite this, Manhattan has outshone all others in terms of guarding it. As for the diameter of the tree, Queens has the largest diameter, with Manhattan having the smallest diameter.



Conclusion of Tasks

- Contributed significantly to the Exploratory Data Analysis (EDA) process.
- Wrote the introduction, conclusion, and integrated all work, and synced the flow for the Initial Analysis Assignment.
- Constructed 3 graphs with RShiny and combined all other materials.
- I performed Borough analysis and generated Tableau visualizations for the boroughs with Highest and Lowest Trees. I created 7 such visualizations, which were then filtered as per the group's content and uploaded as part of our group project.
- Managing internal team meetings and solving internal issues and concerns among team members.