

Github page: <https://daphneyyy.github.io/DSC209R-Final-Project/>

Github repo: <https://github.com/daphneyyy/DSC209R-Final-Project>

1. What have you done so far?

I have set up the overall layout of the project. I created a map of San Francisco that is colored based on the comparison between the number of listings from Superhosts and Non-Superhosts. The map can also switch to color by comparing their average review scores. There are also tooltips showing neighborhood details. I added two companion graphs: a bar chart and a histogram. These charts will update dynamically when the user clicks on different neighborhoods on the map. I also added two straight lines in the two companion graphs to show the mean values of revenue/review scores.

2. What will be the most challenging of your project to design and why?

The most challenging part of my project will be making the map and graphs update correctly when different checkboxes, dropdown menus, or map areas are selected. I want all the views to stay synchronized so the user always sees consistent information. It can be difficult to manage these interactions because several visualizations depend on each other at the same time. Ensuring smooth and intuitive interaction will be the hardest part of the design.