

Overview of Project:

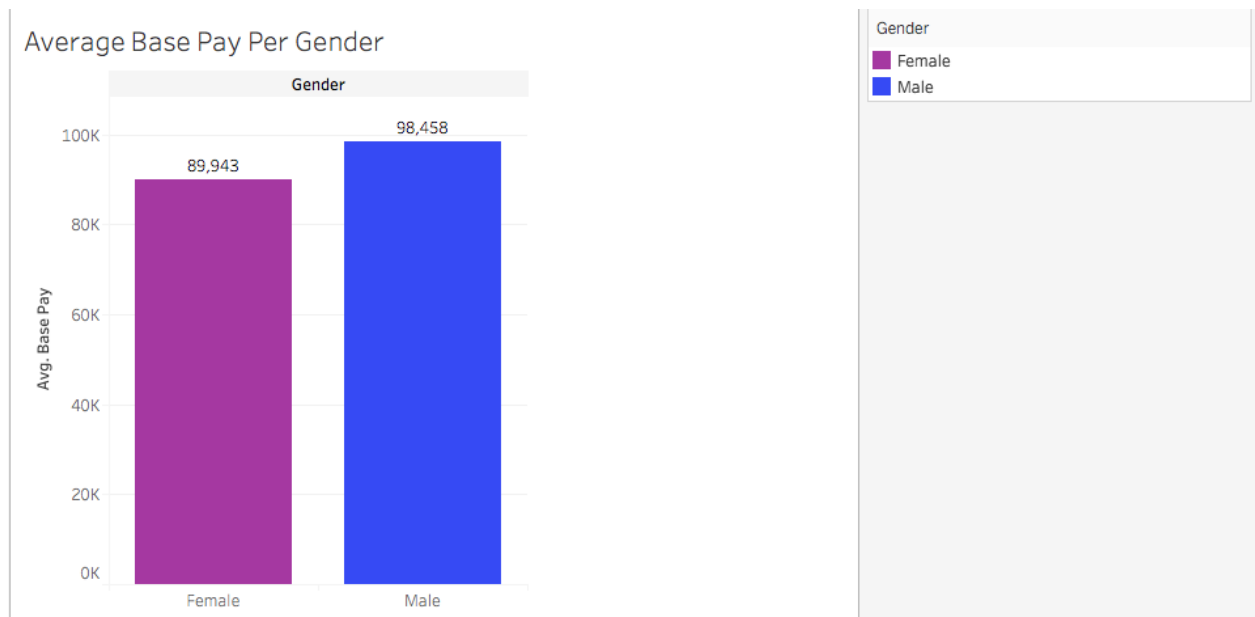
- **Project title:** A Deeper Dive into the United States' Gender Wage/Unemployment Gap
- **Description of Project:** This project will look into the gender wage/unemployment gap in the United States.
- **Project Objectives:**
 1. Does a wage gap exist in the United States, and if so how large is the gap?
 2. How are women in tech impacted by this wage gap?
 3. How are women of color impacted by this wage gap?
 4. How has COVID impacted all of this?
- **Project Plan:** Each objective will be addressed with multiple visualizations

Features from your proposal that have been completed:

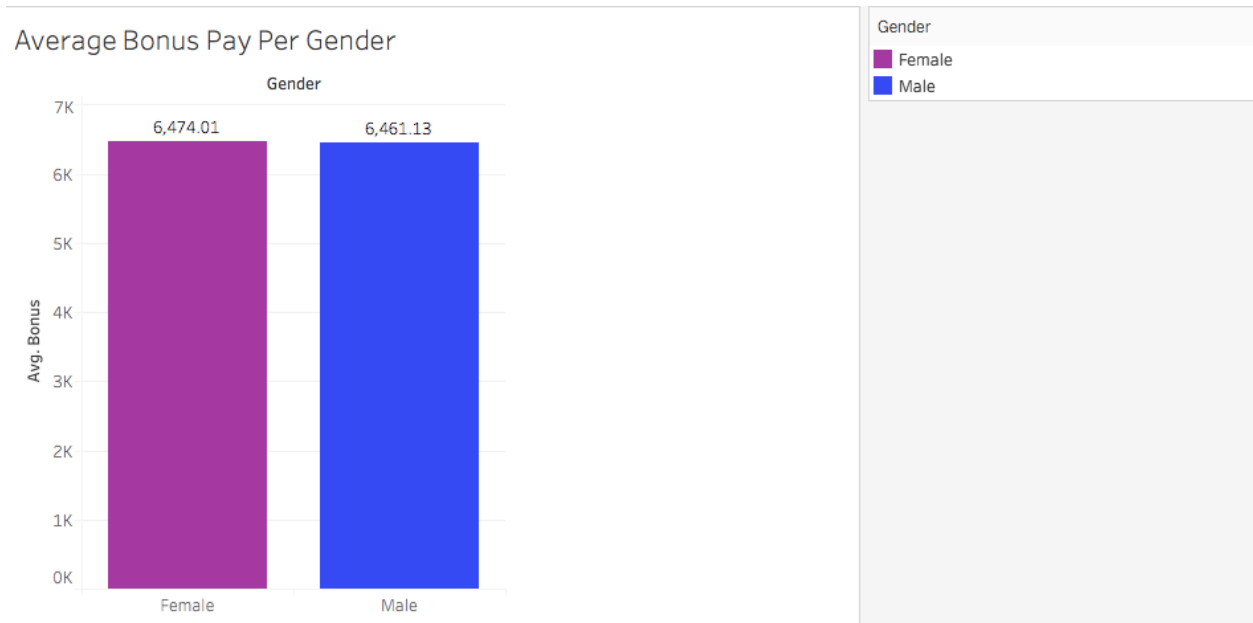
So far I have finished the visualizations that address objectives 1 and 2. I did these visualizations in tableau for the alpha release, but will later be done in D3.

Here are the visualizations that address **objective 1**:

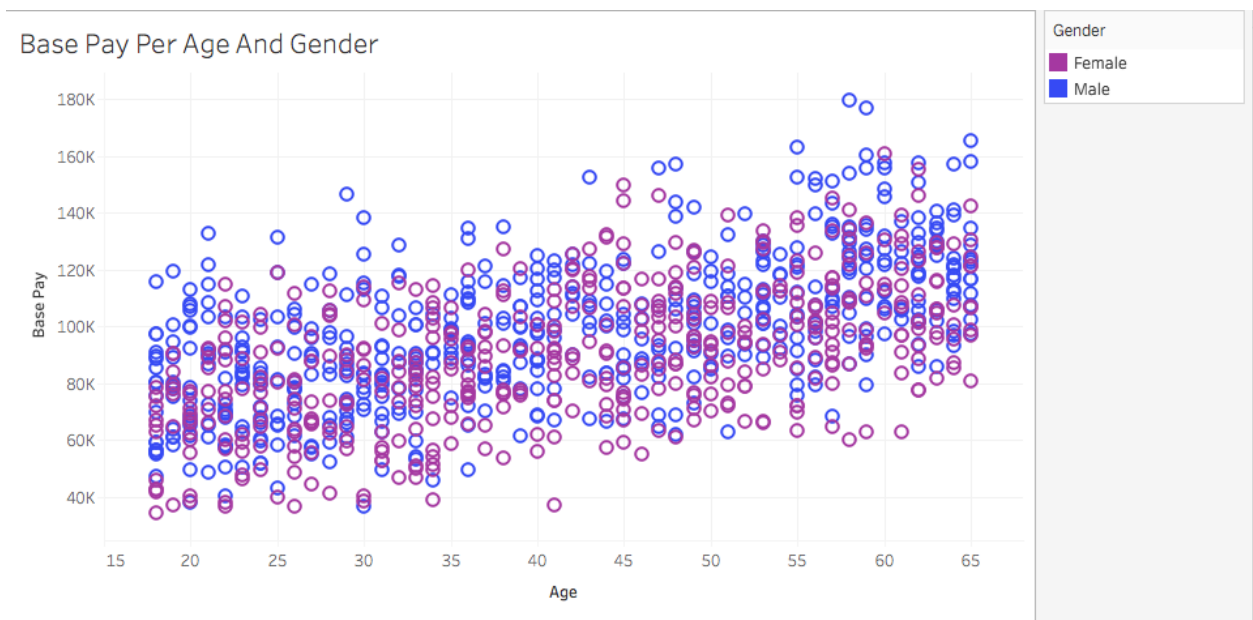
1. Average Base Pay Vs. Gender



2. Average Bonus Pay Vs. Gender

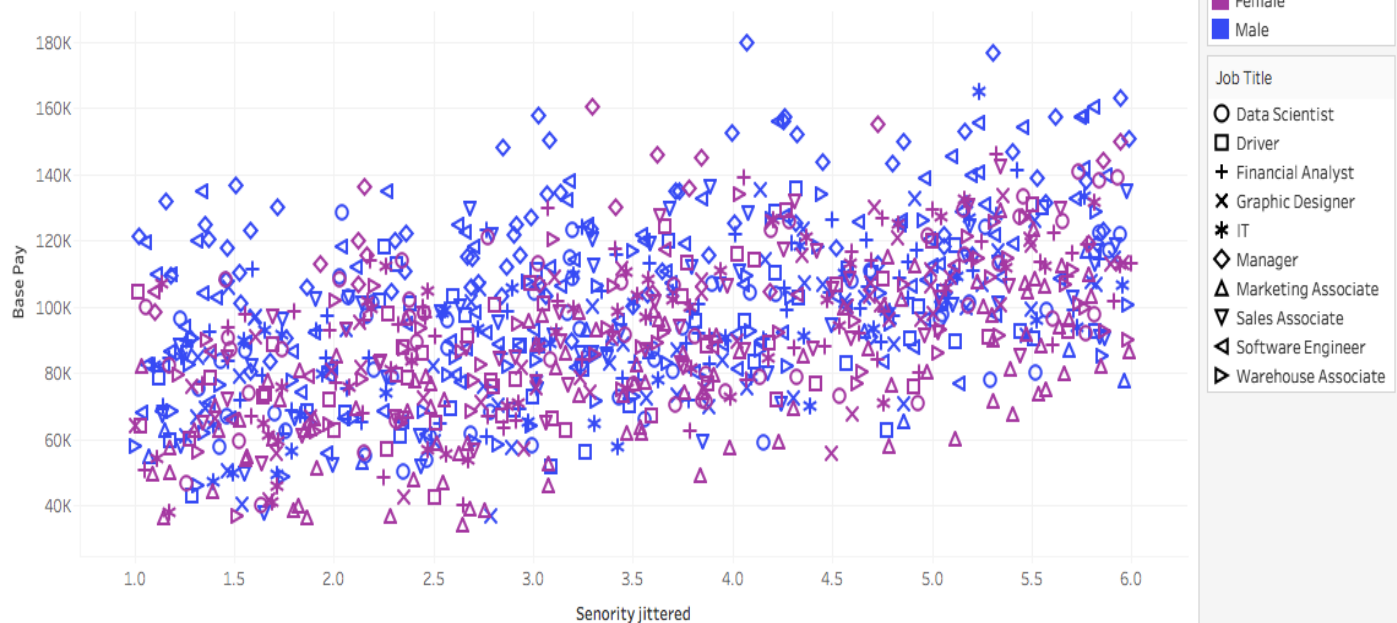


3. Base Pay Per Age And Gender



4. Base Pay Vs. Seniority, Gender, Job Title

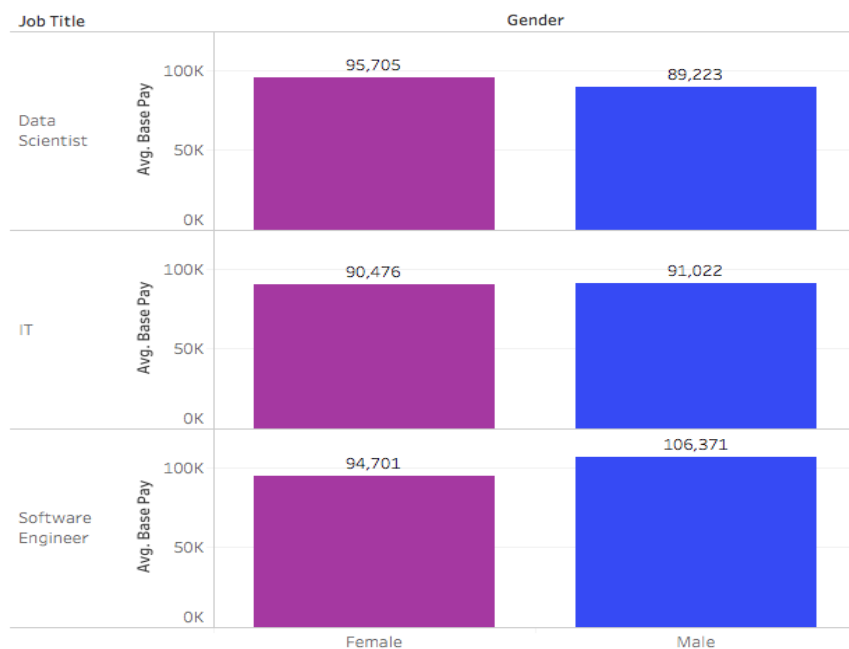
Base Pay Per Seniority, Gender, Job Type



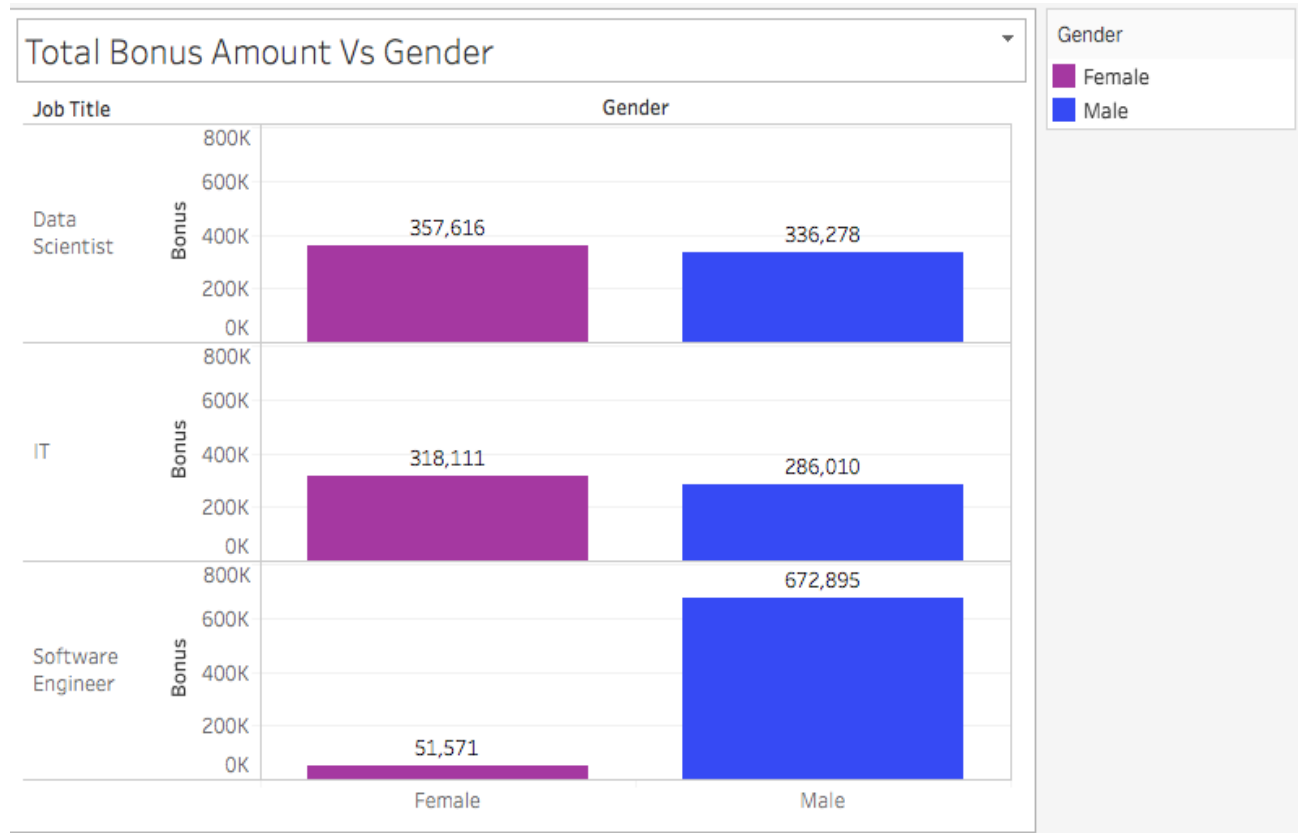
Here are the visualizations that address **objective 2**:

5. Average Base Pay Vs Tech Job Type and Gender

Avg. Base Pay vs Tech Job Type and Gender



6. Total Bonus Pay Vs. Gender



7. Still working on the filtering for this chart

Upcoming Immediate Milestones:

For my upcoming milestones I want to complete all of my visualizations in tableau because I think it is a helpful rough draft before completing them in D3. I want to have this done within the next few days. After that I was to start working on objective 1 in D3 by next week.

Roadblocks:

When working on this alpha release I ran into a few roadblocks:

1. For chart 4, I cannot decide if I should make the job category less specific. The scatter plot is a little cluttered and I am debating if I should combine jobs that are closely related to each other. For example, I would just make a tech category that included data science, software engineering, and IT.
2. Some of my graphs show special circumstances where women do make more than men, for example in chart 5 women in this dataset who are data scientists

make more than men. I want to know what is the best way to address these special circumstances.

3. I changed chart 6 to small multiples. In my project proposal I grouped them all together and made one chart, but I think small multiples is more fitting.
4. I took graphic design out of the “tech” category. After asking many people it seems most people do not consider that a tech job.
5. Lastly my original timeline is not realistic, and I will have to work to update that.