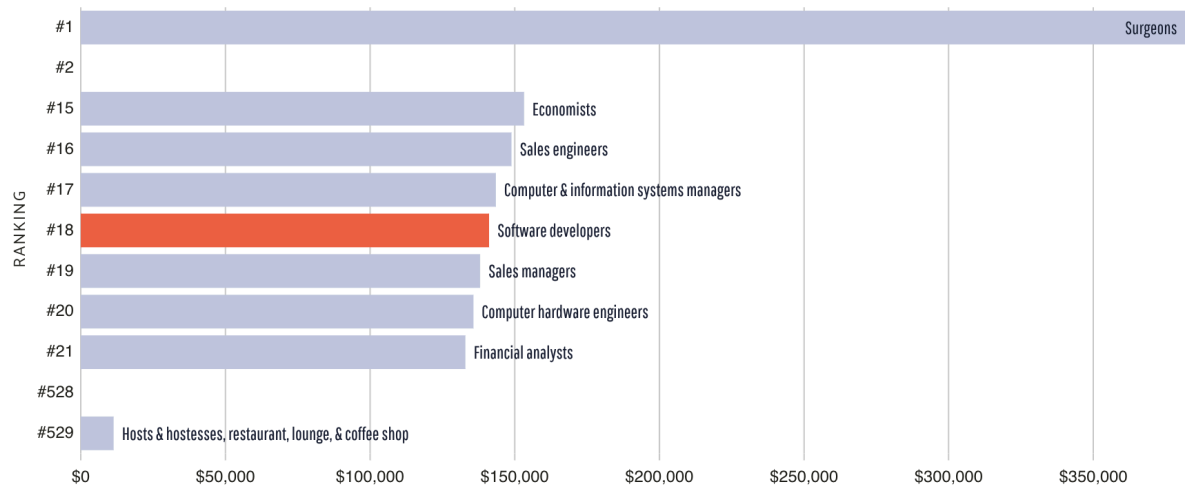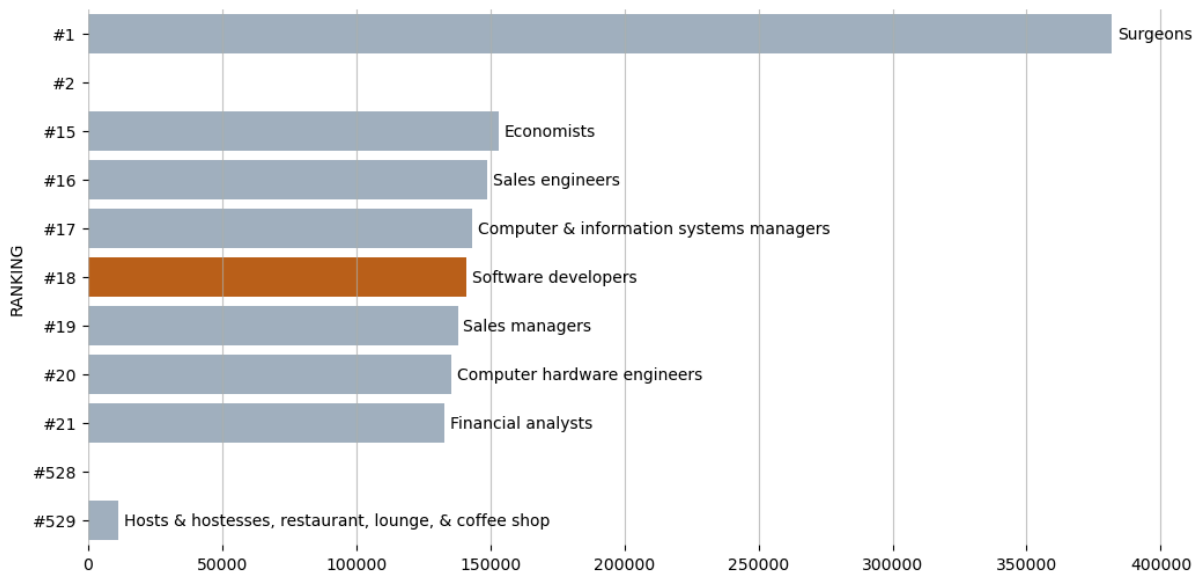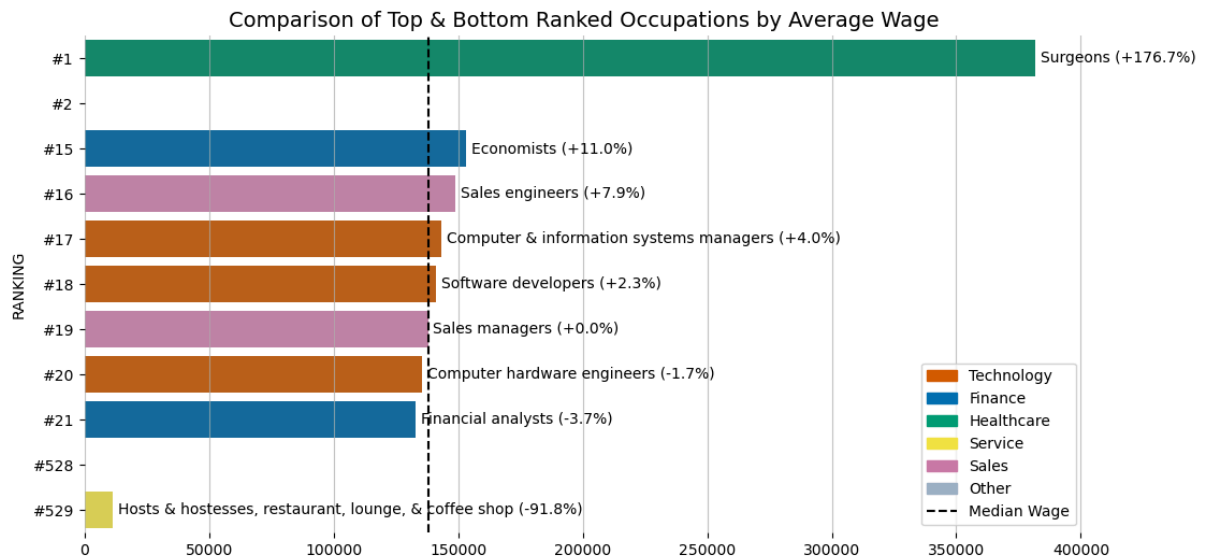1. **The original visualization: Source taken from DATA USA**

2. **My Recreation of the Visualization:**

3. My Remix of the visualisation:

Comparison of Top & Bottom Ranked Occupations by Average Wage

#1 — Surgeons (+176.7%)
#2 —
#15 — Economists (+11.0%)
#16 — Sales engineers (+7.9%)
#17 — Computer & information systems managers (+4.0%)
#18 — Software developers (+2.3%)
#19 — Sales managers (+0.0%)
#20 — Computer hardware engineers (-1.7%)
#21 — Financial analysts (-3.7%)
#528 —
#529 — Hosts & hostesses, restaurant, lounge, & coffee shop (-91.8%)

RANKING

0   50000   100000   150000   200000   250000   300000   350000   400000

Technology
Finance
Healthcare
Service
Sales
Other
- - - Median Wage

4. Purpose of the remix:

In the updated version, I wanted to make the comparison of occupations a bit more intuitive and help people see the bigger picture. Instead of just listing jobs by their rank, I decided to show the percentage difference between each occupation's wage and the overall median wage. This way, it is easier for viewers to spot which roles are doing better or worse than average but also by how much. I also grouped similar jobs by industry, and gave each industry a consistent color, so that people can instantly compare how, for example, tech jobs stack up against finance jobs or healthcare jobs. This approach helps viewers see not just the wages themselves but how they relate to each other and gives a clearer sense of wage patterns across different types of jobs.

5. A description/list of the changes you've made to achieve your intended purpose.

- Mapped occupations to industries using a dictionary.
- Assigned industry labels to each occupation.
- Defined industry-specific colors and applied them to the bars.
- Annotated each bar with occupation names and percentage differences from the median.
- Added a custom legend that includes both industry colors and the median wage dashed line.

UPDATED REMIX BASED ON IN CLASS FEEDBACK:

Wage Comparison for Software Developer and Related Occupations
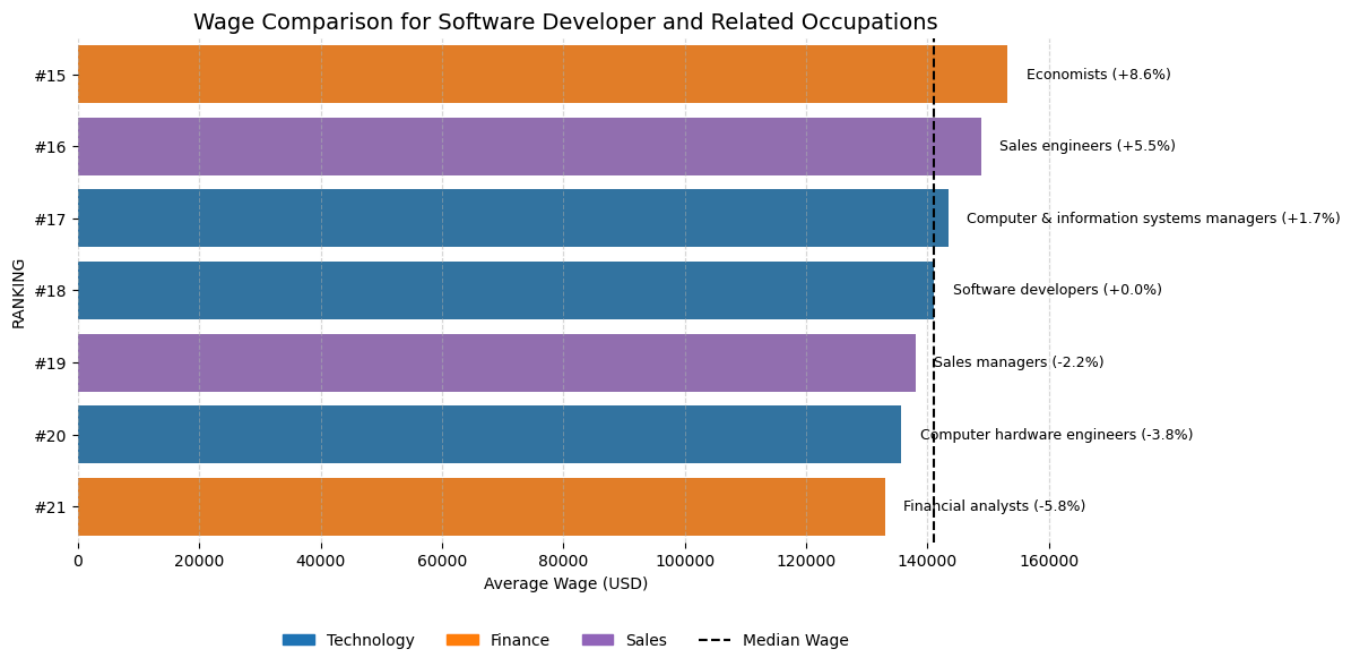
After presenting the initial version in class, I revised this visualization based on feedback that pointed out the outlier values (like surgeons and low-wage service roles) were distracting and made the comparison feel less meaningful. I narrowed the focus to occupations ranked around software developers to provide a more relevant, apples-to-apples wage comparison. I also refined the color palette to be more cohesive and removed unused categories from the legend to reduce clutter. These changes helped make the story clearer and more focused on the roles that are actually comparable in industry and skill level.

6. **Citations:**

- *Gen AI*. (n.d.). ChatGPT. Retrieved February 25, 2025, from https://chatgpt.com/

- *Matplotlib documentation — Matplotlib 3.10.0 documentation*. (n.d.). Matplotlib. Retrieved February 25, 2025, from https://matplotlib.org/stable/

- *pandas documentation — pandas 2.2.3 documentation*. (2024, September 20). Pandas. Retrieved February 25, 2025, from https://pandas.pydata.org/docs/index.html

- *Seaborn*. (n.d.). seaborn: statistical data visualization — seaborn 0.13.2 documentation. Retrieved February 25, 2025, from https://seaborn.pydata.org/index.html