# Gender Pay Gap:

## Gender Pay Gap By Category

| category | avg. female salary ($) | avg. pay gap ($) | % pay gap | range of pay gaps ($) |
|---|---|---|---|---|
| Care & Education | 43203.45 | 8536 | ♛ 17.42% | 2860 |
| STEM | 37967 | 8859.31 | 22.12% | 8788 |
| Creative & Media | ♛ 46280 | 10729.25 | 23.11% | 2721 |
| Admin & Organization | 42292.60 | 11225.20 | 22.88% | 13468 |
| Manual Labor | 24632.36 | ♛ 5829.18 | 23.82% | 2397 |
| Sales & Service | 27798.31 | 7245.31 | 24.54% | 6673 |
| Law & Justice | 36300.50 | 8749.63 | 25.17% | 6032 |

# Reasoning:

## Data-Ink Ratio

- I avoided dark lines as possible and instead used white and lightly gray backgrounds to show where rows were.

## Colors

- I used a spectrum of color to set apart each category of job.

- For anything relating to pay gap, I used dark reds to indicate that the pay gap was higher (whether in percent or in dollar amount) and lighter reds to show which cells were closest to equal. This is because red often represents financial loss.
- For female wages, I used darker greens to indicate higher salaries for women, and lighter greens to show lower salaries. This is because green is used to represent financial gain.
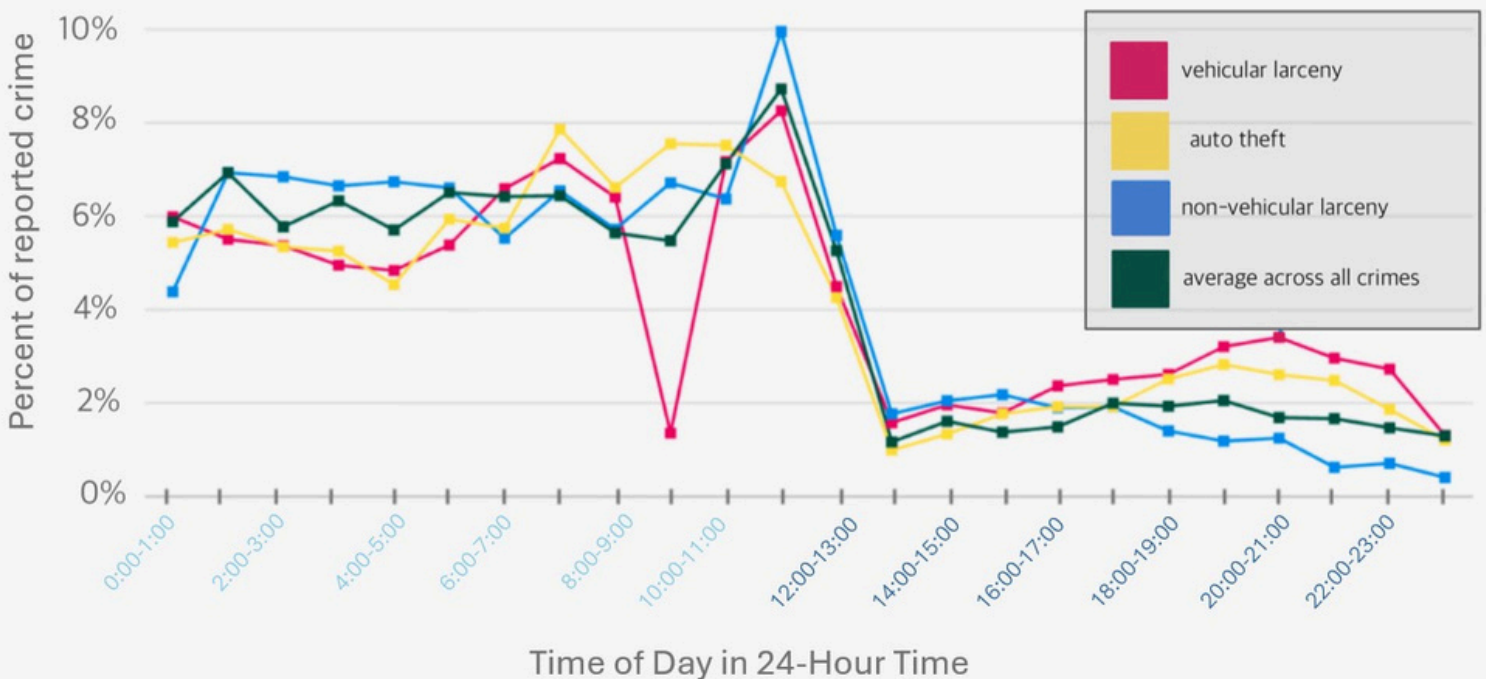
## Icons

- I used a small crown icon to illustrate which job represented the best outcome for women in each metric.

## Spacing

- The cells of the table were spaced in order to distinguish which row and column each value was for.

# Atlanta Crime:



# Reasoning:

## Data-Ink Ratio

- I avoided using a fully-squared background, as the lines are not meant to represent continuous data.

## Colors

- I used colorblind and black-and-white safe colors to distinguish between the different categories of crime.
- The legend is ordered by appearance vertically, except for the average.
- I used light blue text to indicate earlier times of day and dark blue to indicate later times of day

## Spacing

- Each tick mark on the x-axis represents 1 hour, ending with the final hour of the day.
- The y-axis was spaced so that the highest value was also the maximum of the data since all crime counts were converted to percent.
- legend placed over white space in the graph to facilitate a direct comparison between the colors of the graph and the legend

## Markers

- I used the square marker to make each data point more visible.