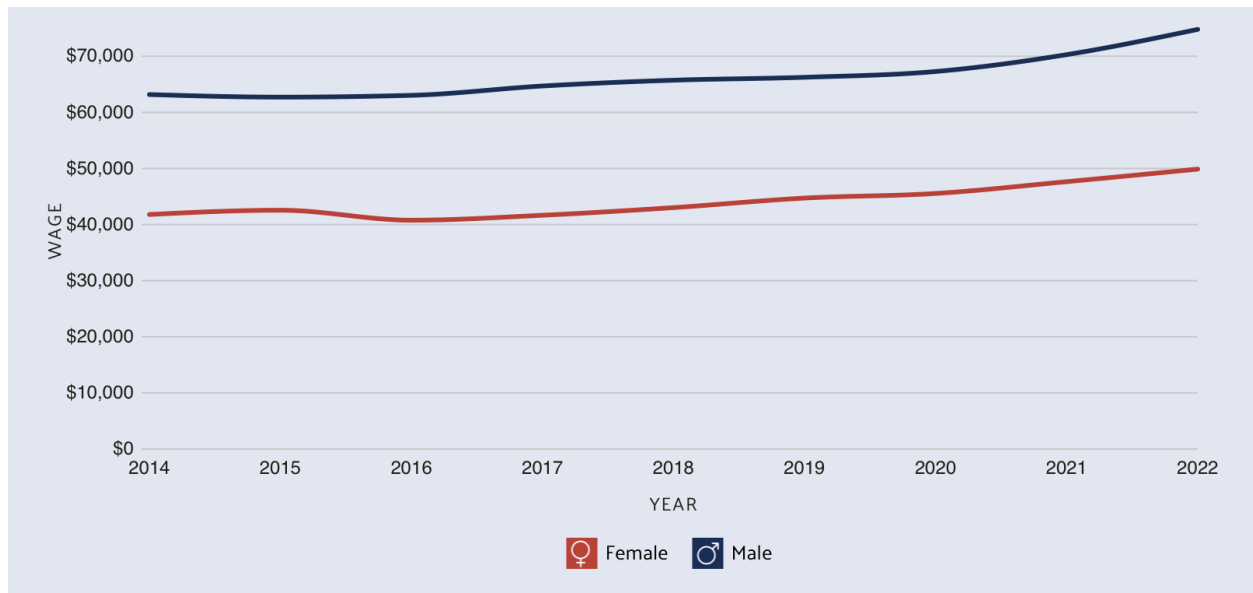# RECREATE & REMIX

By Nafis

Gender Wage Trends in Art Professions (2014–2022)

Visualization

Attribution

● **Source:**
https://datausa.io/profile/soc/artists-related-workers?compare=computer-mathematical-occupations&employment-measures=avgWageEOT&compare_employment-measures=avgWageEOT
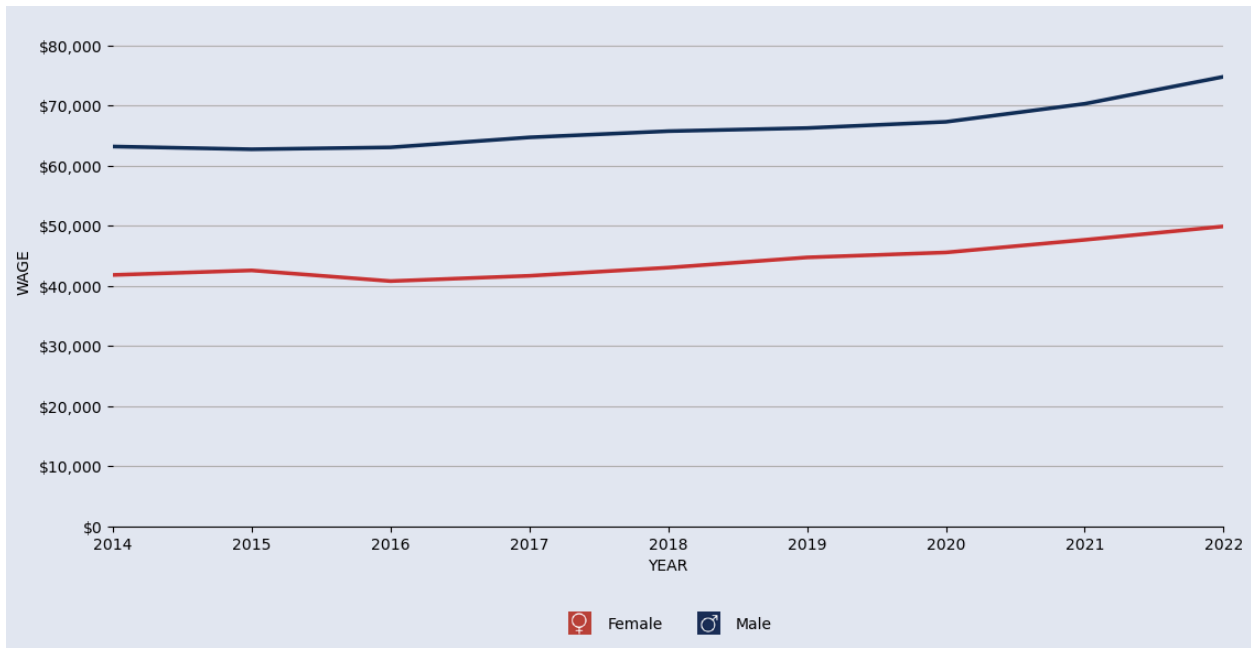
Type of Visualization

● **Chart Type:** Line Graph
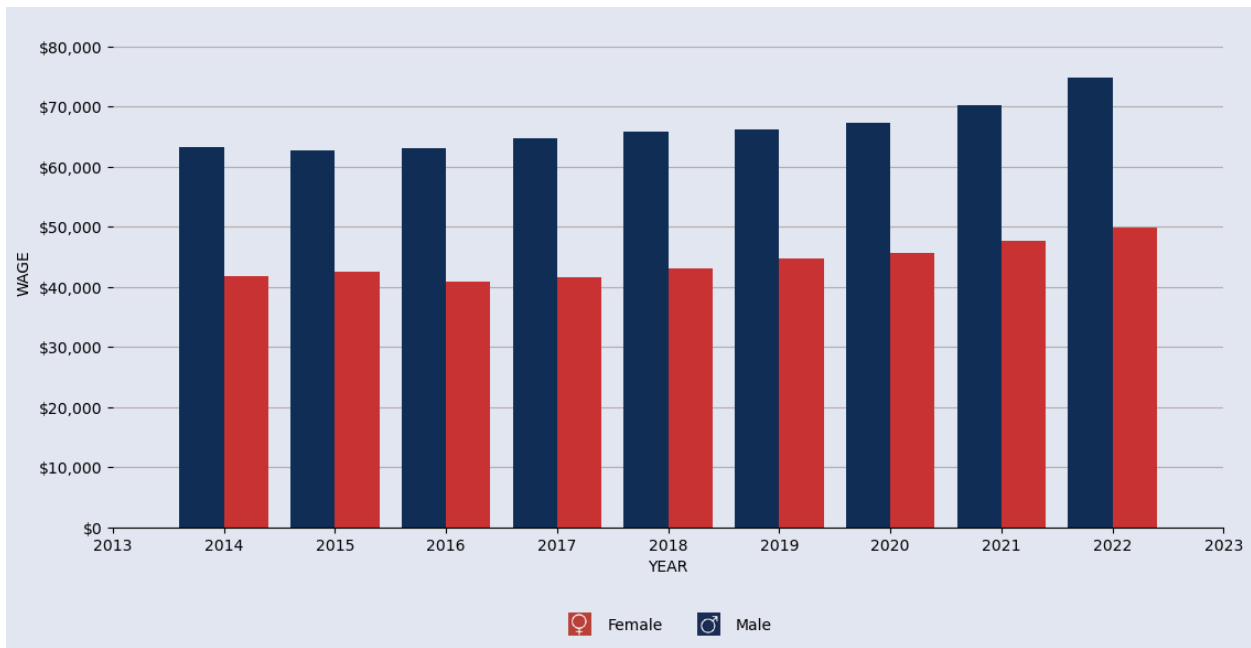
Quantities Depicted & Significance

This line graph presents the **average annual wage of artists and related workers** from **2014 to 2022**, categorized by gender:

● **X-axis:** Years (2014–2022).
● **Y-axis:** Wage in U.S. dollars.
● **Two Lines:** Male (Blue Line) & Female (Red Line)

RECREATE

REMIX

Purpose of the Remix

The primary goal of my remix was to improve the clarity of wage comparisons between males and females by transforming the original line graph into a grouped bar chart. While the line graph effectively illustrated trends over time, it did not highlight the wage gap as distinctly. The grouped bar chart allows for a more straightforward comparison of wages for each year, making it easier for the audience to grasp the differences in earnings. This visualization is particularly beneficial for viewers who prefer direct value comparisons over trend analysis.

Changes Made to Achieve This Purpose

1. **Graph Type Transformation** – Converted the line graph into a grouped bar chart to emphasize direct comparisons.
2. **Color Consistency** – Retained the original colors: blue (`#122D58`) for males and red (`#CA3433`) for females to ensure visual consistency.
3. **Background Color** – Maintained the background color (`#E4E8F3`) to preserve the overall aesthetic of the original visualization.
4. **Legend Placement** – Kept the legend in the same position to maintain familiarity for the audience.
5. **Bar Width and Spacing** – Adjusted the bar width and spacing to ensure clarity while keeping the bars grouped closely for each year.
6. **Y-Axis Formatting** – Applied currency formatting to the y-axis for better readability, aligning with the original visualization.
7. **Grid and Axis Formatting** – Preserved the grid and axis structure to ensure only the visualization method changed, maintaining the integrity of the original design.

Citations

- **GitHub Copilot** – Assisted in refining the implementation of the bar chart.
- **ChatGPT** – Used for brainstorming remix ideas and troubleshooting specific coding challenges.