DSE 241 – Data Visualization

Submitted by Alejandro Hohmann
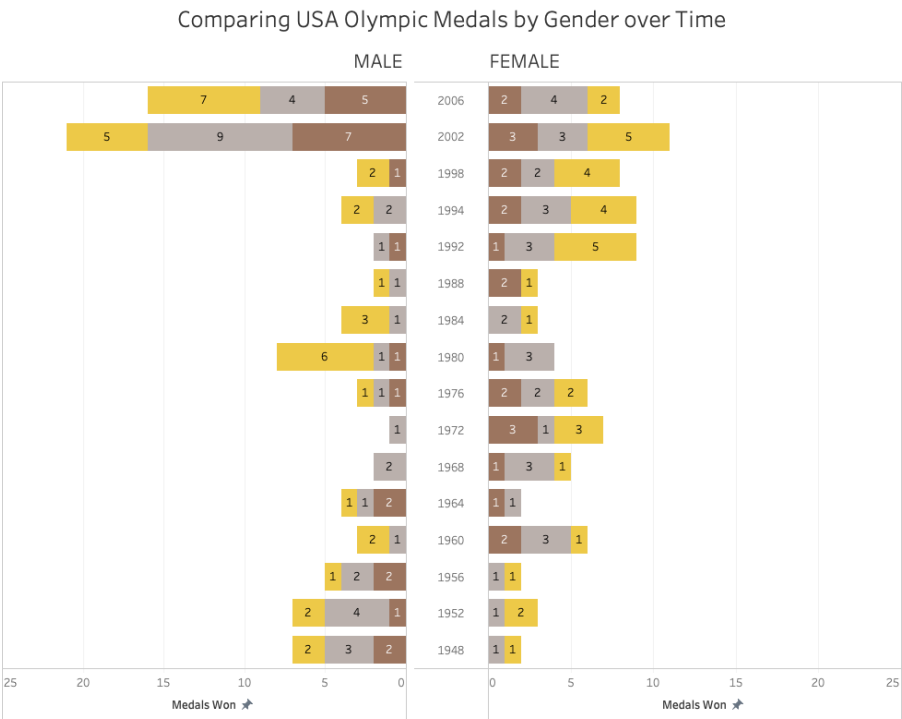
Exercise 2 Report: Comparing USA Olympic Medals by Gender over Time

Report Contents
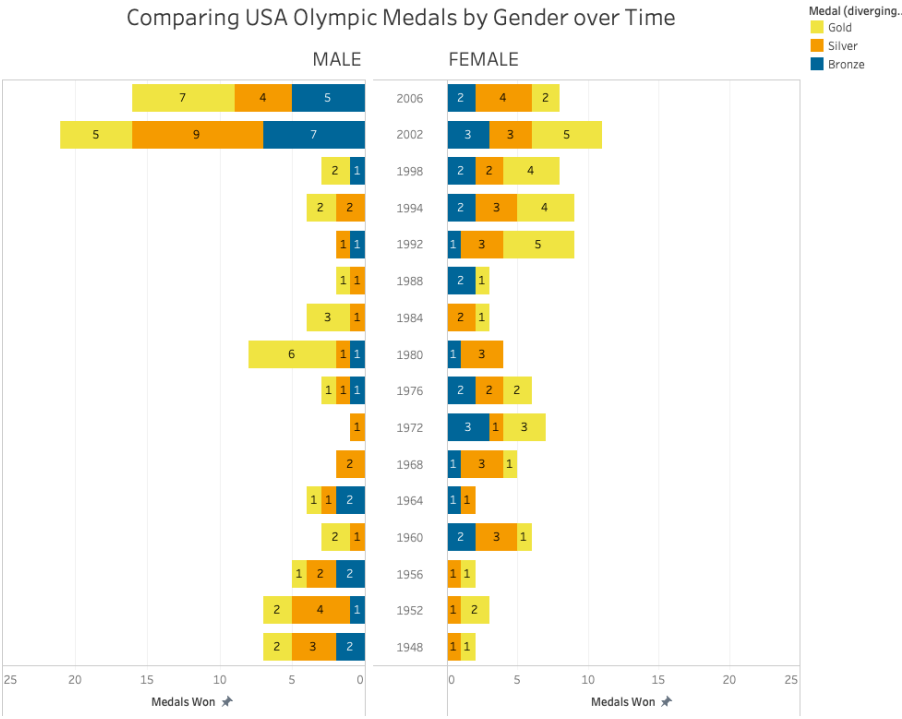
The Viz

Original:

Comparing USA Olympic Medals by Gender over Time

Updated:

Comparing USA Olympic Medals by Gender over Time

Tasks

The viewer is now required to refer to the legend for the type of medal and may have to switch back and forth to understand which is which.

Colorblind Check

The colors were selected from one of Tableau's colorblind friendly diverging color palettes.

Effectiveness of the solution

The change in color is an ineffective solution for the overall purposes of the viz. However, the colors are high-contrasting and color-blind friendly.

Conclusions

The original image was better at conveying the desired data. Changing the colors increased the cognitive load on the viewer because Gold/Silver/Bronze has unique cultural meaning. Perhaps including the legend with the original palette as a failsafe would be a better solution than changing the palette overall.