Chapter 20 Redundant coding

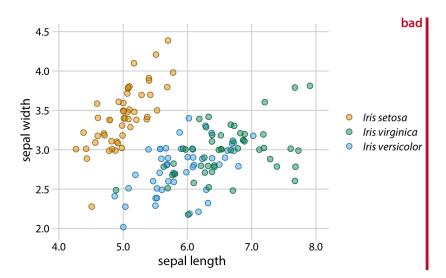
Fundamentals of Data Visualization

May 6, 2023

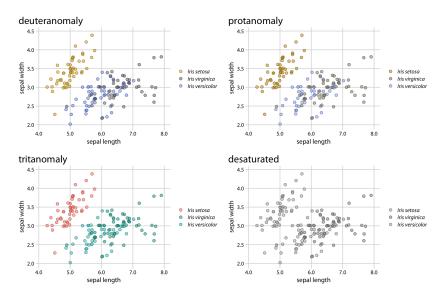
Color has problems

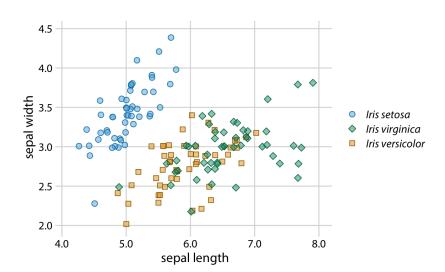
- It will be difficult to match the colors in the plot to the colors in the legend
- even if we only need to distinguish two to three different items, color may fail if the colored items are very small
- colors look similar for people suffering from color-vision deficiency

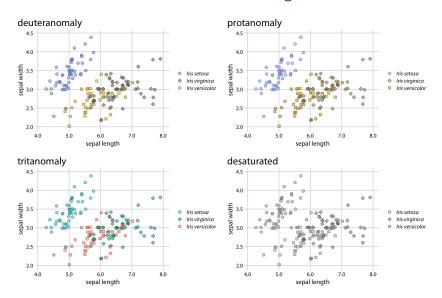
Blue and green look similar

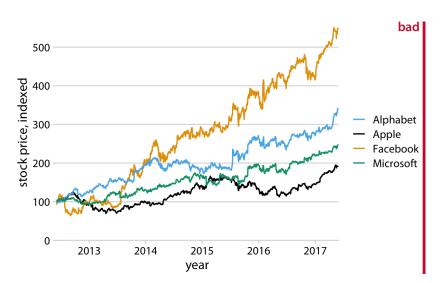


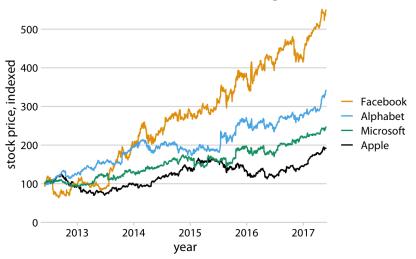
Blue and green contrast more with cvd





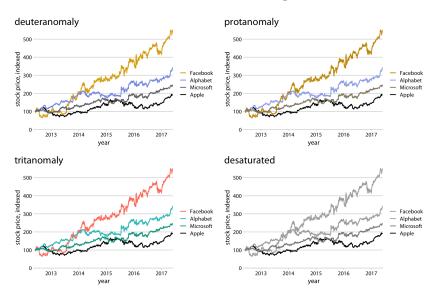


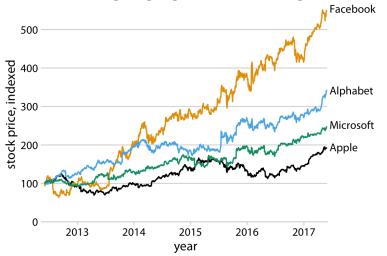




• If there is a clear visual ordering in your data, make sure to match it in the legend.







 Whenever possible, design your figures so they don't need a legend.



