

Lab: Color Palettes

In data visualization, color can serve both functional and aesthetic purposes. But color is difficult to get right.

In this lab you'll find two visualizations that make poor use of color, and come up with a better color palette.

(The only restriction on the visualization you choose, however, is that it can't be a rainbow colormap. We already know those are bad.)

In your readme, add screenshots of the visualizations, and images of a redesigned color palette. You can draw the color palette using any tool or pen and paper.

You are encouraged to work together in teams for this project.

You must work with teammates you haven't worked with before.

Requirements

1. Choose two of the visualizations from the web and produce a critique of their color maps. Some things to look for include:
 - Are the colors not distinct enough?
 - Does the color mapping align with the data distribution?
 - Are there too many colors present, that make the vis difficult to parse?
 - Could colors be better chosen to match the semantics of the data?
2. Produce a "corrected" palette, include a screenshot and justify:
 - What problem(s) does new palette correct? Are there any tradeoffs by switching?

Turning in the project

Fork the example [Lab repo](#). Make changes, add your images, and make a pull request.

Grading

This lab is graded on a 120 point scale. The writeup will be graded completeness (100) and overall quality (20).