LSC 563: Spring 2022 Lesson 2

# Introduction to Lesson 2: Visualization and Color

# Overview

Color is a powerful channel in data visualization and because of its use in data visualization we are going to spend two weeks covering the topic.

There are three primary uses of color in data visualization:

1. Detecting patterns in data
2. Labeling data so that it is easy to distinguish between categories
3. Focusing attention on a region of a data visualization

This week we be focusing on the visual processing that makes color vision possible.

# Required Readings for Lesson 2

Note: If you want to read the entire book chapters you are welcome to do so. However, I have provided the specific page numbers for you below.

* Read: Wilke, C. (2019). Color Scales. In Fundamentals of data visualization: a primer on making informative and compelling figures (First edition. ed., pp. 27-36).
* Read: Cédric Scherer, “[Colors and emotions in data visualization](https://www.storytellingwithdata.com/blog/2021/6/8/colors-and-emotions-in-data-visualization)”
* Read (Optional): Ware, C. (2019). Color. In Information Visualization: Perception for Design (4th ed., pp. 110-122).

# Lesson 2 Lab

* There is no official lab for Lesson 2. However, please complete the tasks below if you have time.
* Create a [GitHub account](https://github.com/). You will probably use this for your final project. You should have received an email from GitHub Academic letting you know that I have activated our class instances. If not, then you can access the first sets of assignments [here](https://classroom.github.com/a/il4qx9KQ). These are completely optional. However, I recommend the first lesson if you have never used GitHub. I am still trying to decide if this will be the data repository for the class.

# Lesson 2 Deliverables

* Nothing to turn in during week 2