How to handle complexity: 3 more strategies

- Manipulate Facet Reduce
- Change Juxtapose Filter
derv
- Select Partition Aggregate
- Navigate Superimpose Embed

1. Previous

More Information

- Book page (including tutorial lecture slides)
  - Illustrations: Eamonn Maguire

- Grad class CPSC 547
  - Usually taught fall term

Color: Luminance, saturation, hue

- 3 channels
  - Identity for categorical
  - Hue
  - Magnitude for ordered
- RGB: poor for encoding
- Alternatives
- HSL: better, but beware
  - Lightness & luminance

Categorical color: Discriminability constraints

- Noncontiguous small regions of color: only 6-12 bins
- Ordered color: Rainbow is poor default

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- Problems
  - Perceptually unordered
  - Perceptually nonlinear
- Benefits
  - Fine-grained structure visible and remeasurable
- Alternatives
  - Fewer hues for large-scale structure
  - Multiple hues with monotonically increasing luminance for fine-grained segmented rainbows good for categorical ok for binned

Corners of the RGB color cube
Luminance values
Hue
Saturation
L from HLS
All the same

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