To deliver palettes

* Add Shahaf’s format.
* Create clear list of replacements (upgrades), additions, deletions
  + Categoricals
  + Quantitative
  + Multi-ordinals
  + Formatting
* Create and approve the colors.

To evaluate colors

For any palette, create the distribution of distances.

* For each color, compute DE94 to each other color. Also ND50 for 3 sizes.
* This will be N!/2 values. D1-2, D1-3, etc. Sort all D’s, print out c1, c2, D
* Give each color an ID#, overplot on the bars. Sort by D from selected.
* For any color, there is a min and max D with respect to the palettes. Overplot with these values.
* Sort by minimum D
* Create a DE profile for any given order.
* Some sort of concise “profile” DL range, DL uniformity

Compare similar palettes

* Read in XML, create combined palette with duplicates represented only once.
* Things one might want to know
  + Identical colors
  + Very similar colors
* Make two palettes have the same “order” (can we do this?)

Split and combine palettes

* Use the L\* range as a filter for the colors, as well as for the view.
* Note the L\* range filter isn’t being applied to the ab plot. It should be.
* Is it worth taking the time to create hue/chroma filters?

To make the dark formatting

Take the 20. Split into pairs. Then interpolate the middle one.