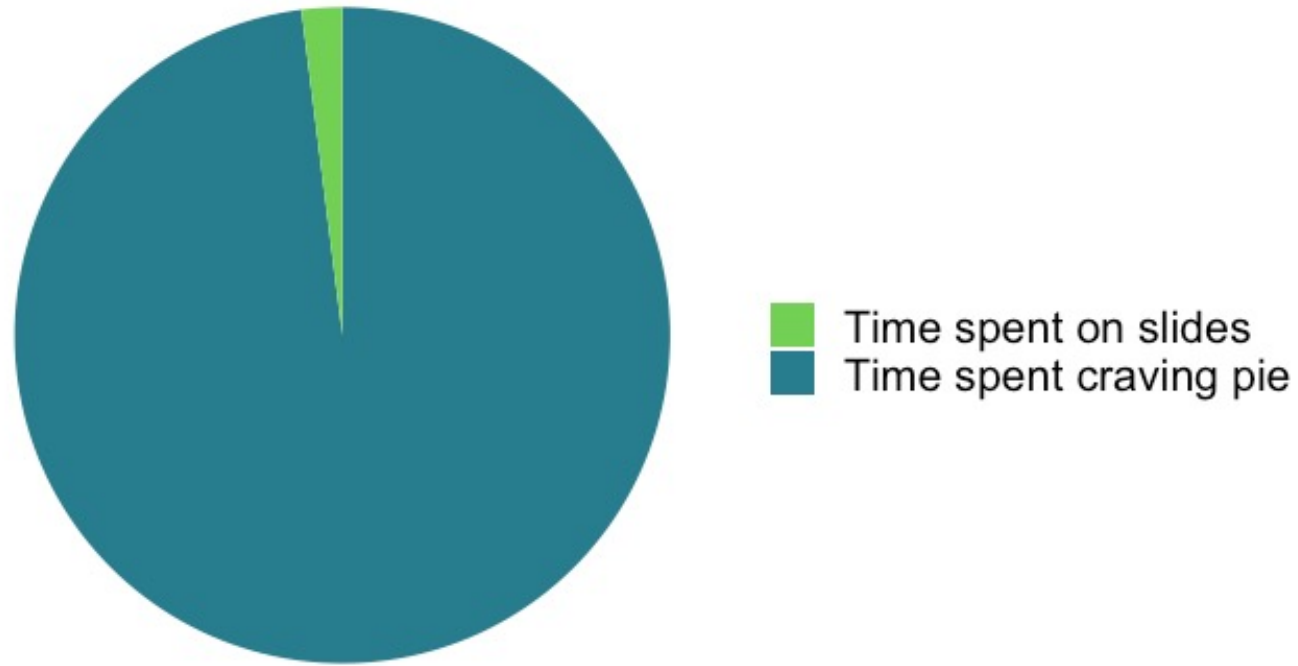# Pie Charts: Friend or Foe?

Rachel Tao, MPH

October 19, 2021
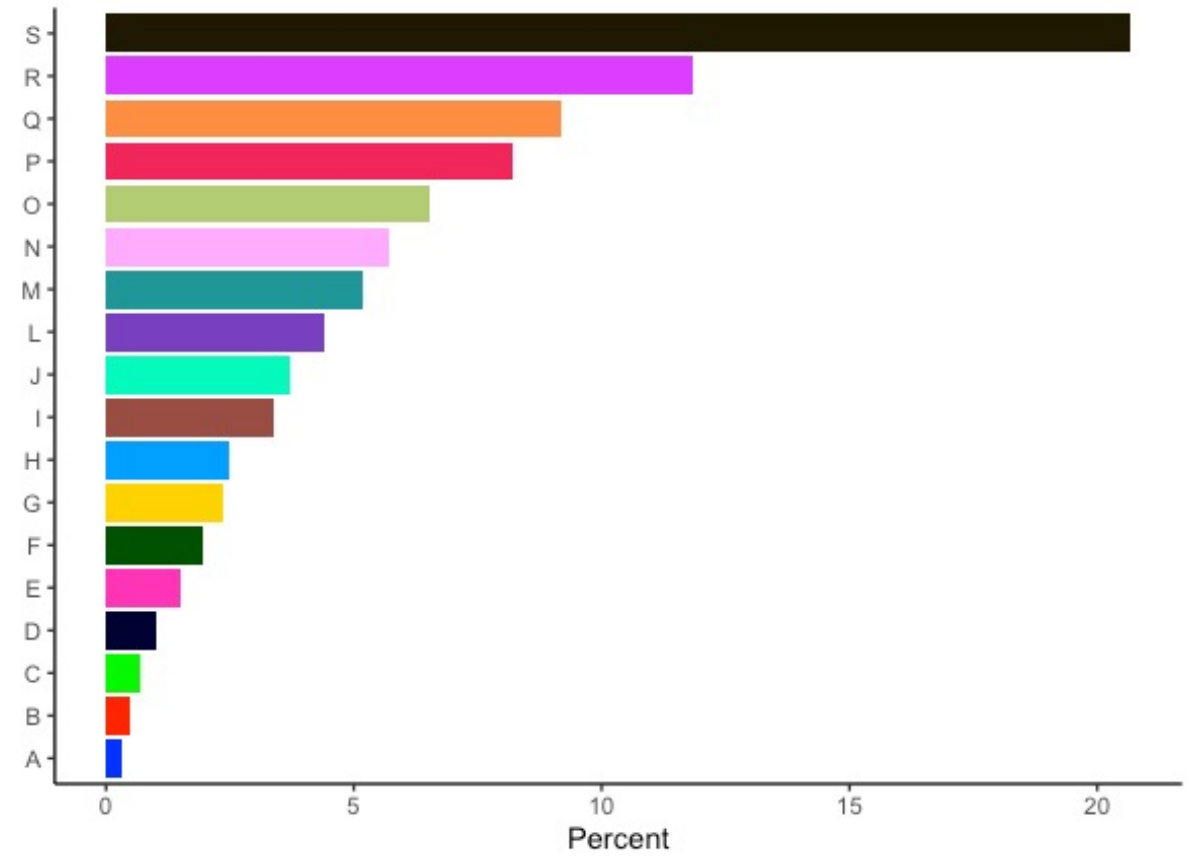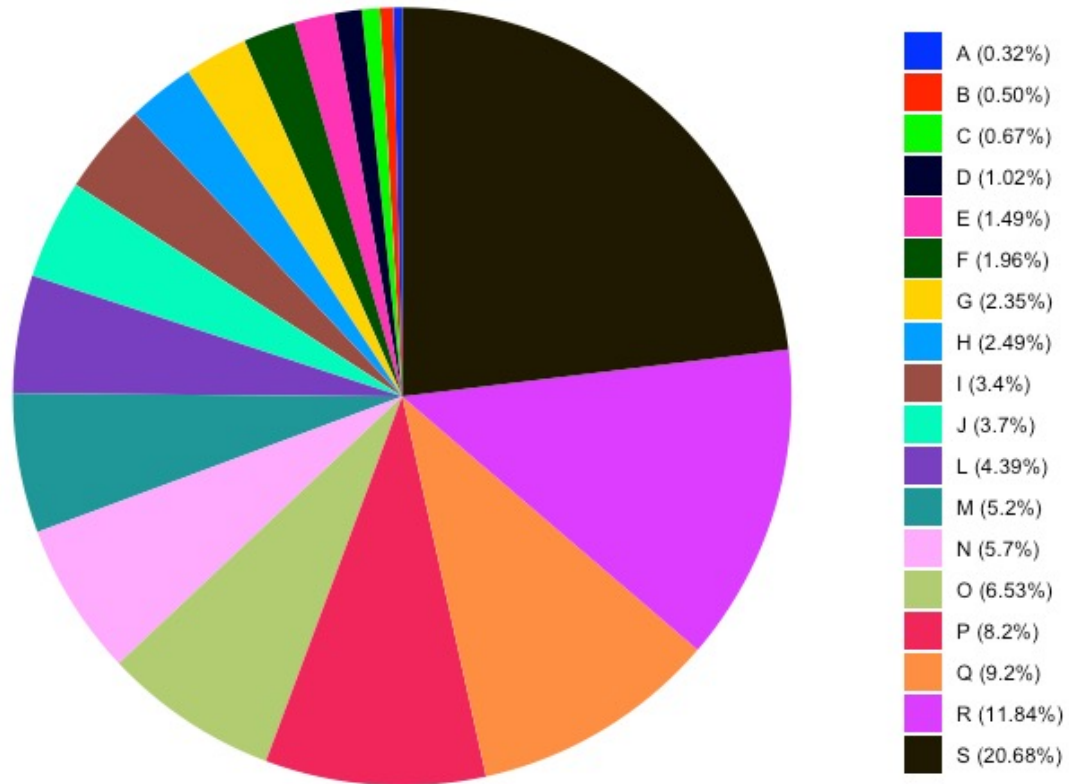
Lightening Talk, R-Ladies NYC

Why do we use pie charts?

Time spent on pie chart presentation
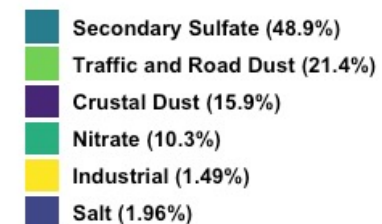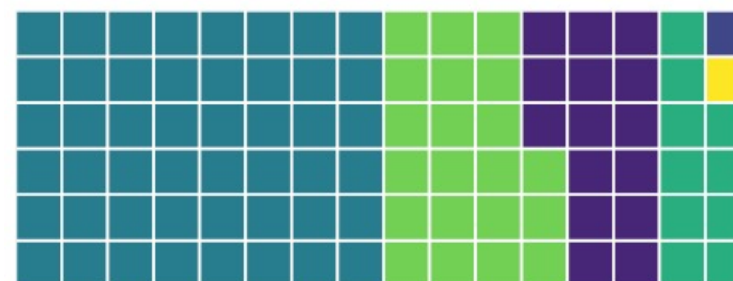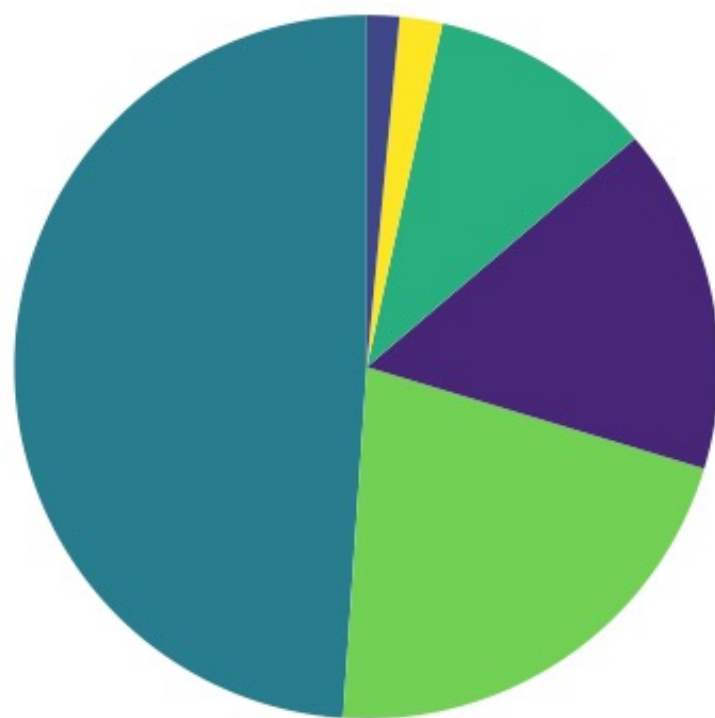
Legend:
- Time spent on slides
- Time spent craving pie
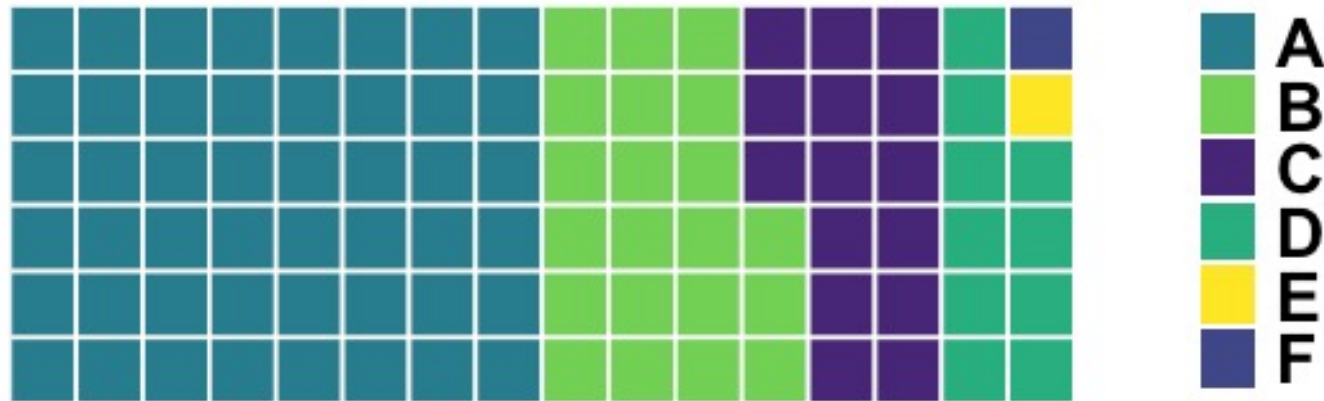
Problem 1: Too Many Slices

Problem 2: Hard to Differentiate Between Slices

Let's make a waffle chart

```
vals <- c(48.9, 21.4, 15.9, 10.3, 1.96, 1.49)
val_names <- c("A", "B", "C", "D", "E", "F")
names(vals) <- val_names

waffle::waffle(
  vals,
  rows = 6,
  colors = c("#287D8EFF", "#73D055FF", "#482677FF", "#29AF7FFF", "#FDE725FF", "#404788FF")
  ) +
  theme(legend.text = element_text(face = "bold", size = 10))
```

Are Pie Charts Ever the Answer?

Details

If the vector is not named or only partially named, capital letters will be used instead. It is highly suggested that you limit the number of elements to plot, just like you should if you ever got wasted and decided that a regular pie chart was a good thing to create and then decide to be totally evil and make one to pollute this beautiful world of ours.

^ from the R documentation for the waffle package

Thank you!

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