

# Visualizing Proportions

Statistics 4868/6610 Data Visualization

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## Introduction

Today in the computer lab we will go over some examples from Chapter 5.

## Examples from the book

The plots from Chapter 5

- Pie Chart
- Donut Chart
- Stacked Bar Chart
- Treemap
- Time Plots
- Stacked Time Plots

## Examples from the book

In Chapter 5 software

- Protovis
- D3.js
- R
- tableau

## Activities 1-3

The first three Activities are about using **Protovis** and **D3.js** to make plots that can be viewed through a web browser.

## Activity 4

The fourth Activity is about [Color Brewer](#).

## Activities 5-7

The remaining Activities are about making plots in tableau that are close to the plots showing the book. Try your best to make the plots, they might not look the same as what is presented in the book.

## R code

From the [Quick-R](#) website.

[Scatterplots](#) hexbin graph

```
library(hexbin)
x <- rnorm(10000); y <- rnorm(10000)
bin <- hexbin(x, y, xbins=50)
plot(bin, main="Hexagonal Binning")
```

## Hexagonal Binning

