Today: 2-D Caterogical Data
Independence and Mosaic Plots
1-D Continuous Data

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Contingency Tables and Marginal/Conditional Distributions

Recall: Independence Rules from Probability

Can input contingency tables into chi-square tests for independence

E.g. `chisq.test(table(var1, var2))`

More on this in Lab 04

Pearson Residuals

Pearson Residuals: Scaled difference between observed/expected

Mosaic Plots

Mosaic Plots: Area plot for two categorical variables

Can color the boxes by their differences from what was expected

Friday: Mosaic Plots in R

1-D Continuous Data

Structure:

Summary:

In R:

1-D Continuous Distributions

How do we describe continuous distributions?

Do the data appear to fit some common/known distribution:

Visualizing 1-D Continuous Distributions

How do we visualize continuous distributions?