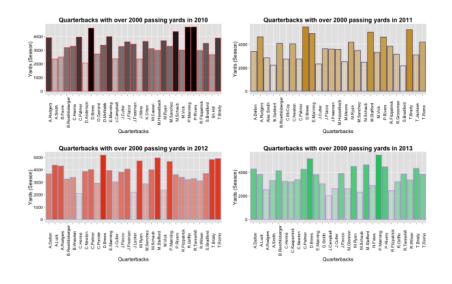
Today: 2-D Caterogical Data Independence and Mosaic Plots

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Quarterbacks with Over 2000 Yards, 2010 - 2013



Last Time: 2-D Bar Charts

Stacked Bar Charts:

Side-By-Side Bar Charts:

Contingency Tables

Two Categorical Variables:

Asympototics:

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:

Wednesday: Mosaic Plot Demo