

HDDA Tutorial: Getting Started with R

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Tutorial 2

The aim of this week's tutorial is to do more preliminary data analysis using R. You will need to load the datasets `{Beer.rds}` and `{comScore.rds}` from which can be downloaded from Moodle.

Beer Data

1. Without using the `qplot` function, produce a histogram of the cost per 12 fl. oz. variable.
2. Without using the `qplot` function, produce boxplots of alcohol content. On the same plot there should be a separate boxplot for light beers and a separate boxplot for nonlight beers.
3. Produce a frequency table of beer rating
4. Produce a cross tab of beer rating against light/nonlight

comScore Data

1. Without using the `qplot` function, produce histograms of
 - Sales
 - Duration
 - Page Views
2. Produce summary statistics for the comScore data
3. Without using the `qplot` function, produce a scatter plot of duration against page views

More Advanced

1. Create a new data frame that removes the two outliers using the `filter` function in `dplyr`.
2. Do the scatterplot again with the outliers removed.
3. Do the scatterplot where the points have a different colour if the observation corresponds to a buy and a different colour if it corresponds to no buy.