Densities

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## Histogram with Density Trace

It’s easy to create a histogram with a density trace in R using base commands.

 htwt <- read.csv("http://facweb1.redlands.edu/fac/jim\_bentley/downloads/math111/htwt.csv")
 htwt$Group = factor(htwt$Group, levels=c(1,2), labels=c("Male","Female"))
 hist(htwt$Weight, prob=TRUE)
 lines(density(htwt$Weight))



## Violin Plots

GGPLOT2 makes it easy to create violin plots.

 p\_load(ggplot2)
 ggplot(htwt, aes(Group, Weight)) + geom\_violin(trim=TRUE) + geom\_boxplot(width=0.05)

