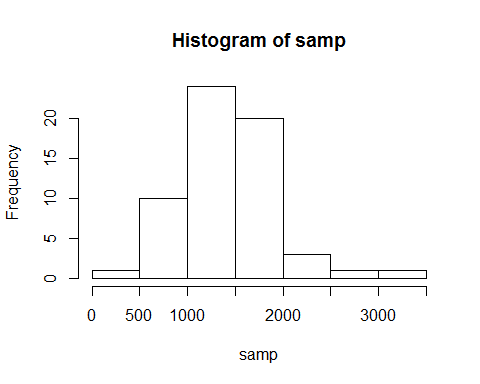
Untitled

download.file("http://www.openintro.org/stat/data/ames.RData", destfile ="ames.RData")  
load("ames.RData")  
  
population <- ames$Gr.Liv.Area  
samp <- sample(population, 60)

## Exercise 1: Plot a histogram of your sample of living areas. Then, describe the shape, center, and spread of your histogram. What would you say is the “typical” living area within your sample? Explain.

hist(samp)

 ### Exercise 1 Answer

## Exercise 2: Would you expect another student’s sample distribution to be identical to yours? Would you expect it to be similar? Why or why not?

### Exercise 2 Answer: No.

### Confidence Intervals

sample\_mean <- mean(samp)  
se <- sd(samp)/sqrt(60)  
lower <- sample\_mean - 2 \* se  
upper <- sample\_mean + 2 \* se  
c(lower, upper)

## [1] 1311.047 1569.120