The Behavioral Risk Factor Surveillance System (BRFSS) is an annual telephone survey of 350,000 people in the United States. We will load a random sample of 20,000 people from the BRFSS survey conducted in 2000.

source("http://www.openintro.org/stat/data/cdc.R")

1. Investigate the file.
   1. What data does it contain?
   2. What kind of variables are there?
   3. What type are the parameters contained?
2. Describe the object:
   1. How many parameters
   2. How many cases?
   3. How many males/females?
   4. How many older than 25? 35?
   5. Show the distribution of age as a histogram
3. Describe one continuous variable:
   1. Calculate the summary statistics
      1. Mean
      2. Median
      3. Mode
      4. Variance
      5. Standard deviation
      6. Standard error
      7. IQR
   2. Show the data as
      1. a histogram
      2. a boxplot
      3. repeat i. and ii. for women only
4. Describe one categorical variable:
   * 1. Create a frequency table
     2. Depict the frequency table using a barplot
5. Manipulate the dataset
   * 1. Calculate BMI
     2. Subset the for men and women in two separate datasets
     3. Create two histograms for both datasets
     4. Compare the means between men and women form these datasets.