The purpose of this assignment is to help you practice skills that are essential to your success in this course and within exploratory data analysis and visualization. For this assignment:

* Download the "bears.csv" dataset. This file contains random sample data from 54 California black bears. In the file, you will see the variables:
  + age: bear's age in months
  + datamonth: the month that the data was taken
  + gender: bear's gender
  + headlength: head length in inches
  + headwidth: head width in inches
  + neckcircum: neck circumference in inches
  + length: head to tail in inches
  + chest: chest width in inches
  + weight: weight in pounds

1. Create a strip chart for each possible numeric variable (there should be 7). Use jitter. Include the R code above each graph in a Word Document.
2. In the same Word Document, create a sorted dot chart of the following (3 graphs) using gender as the row label. Include the R code above each graph:
   1. the length
   2. the chest
   3. the weight
3. In the same Word Document, create box plots for each of the 7 numeric variables separated by gender. There should be 7 pairs of side-by-side boxplots giving you 14 in total. Include the R code above each graph. Below each graph, thoroughly explain in complete sentences what you observe in each of the box plots. Use summary() to help obtain precise numbers.