Name_____

February 1, 2016

1. Create a folder called Comb
2. Create a *comb.csv* file from the data in table 1. It should be a pure text file. Place it in the Comb folder
3. Creat an R script called comb.R in the Comb folder. Do all the following in the script.
   (a) Set the working directory to the Comb folder (**setwd**).
   (b) Use **read.csv t**o read the file comb.csv in to a data frame called *comb*.
   (c) Find the *mean* of each variable in the data frame. Put this in a vector calle *combar*.
   (d) Find the *sd* of each variable in the data frame. Put this in a vector calle *comsd*.
   (e) Combine *combar* and *combsd* into a dataframe called *combstats*,
   (f) Use **write.csv** to write the dataframe to a file *combstats.csv*.
   (g) Create four plots called *x1y1.png*, *x2y2.png*, *x3y3.png,* and *x4y4.png*. Each png should be a plot of the variables from comb. For example x1y1.png would be **plot(comb$x1,comb$y1)**.
4. Zip up the folder Comb and upload it to blueline. It should contain 7 files.
   (a) Two csv file, comb and combstats
   (b) Four png file, x1y1.png, etc.
   (c) One R script.

Comb	x1	x2	x3	x4	y1	y2	y3	y4
1	10	10	10	8	8.04	9.14	7.46	6.58
2	8	8	8	8	6.95	8.14	6.77	5.76
3	13	13	13	8	7.58	8.74	12.74	7.71
4	9	9	9	8	8.81	8.77	7.11	8.84
5	11	11	11	8	8.33	9.26	7.81	8.47
6	14	14	14	8	9.96	8.10	8.84	7.04
7	6	6	6	8	7.24	6.13	6.08	5.25
8	4	4	4	19	4.26	3.10	5.39	12.50
9	12	12	12	8	10.84	9.13	8.15	5.56
10	7	7	7	8	4.82	7.26	6.42	7.91
11	5	5	5	8	5.68	4.74	5.73	6.89

Table 1: Comb Data Set