

Assignment 4-1

File Name: Assign41_LastName.doc

Using R, please conduct the following tasks. Create your report in a Word document, and upload it to Blackboard. In your report, provide the source code of R, the screen capture of the output, and some descriptions of the outputs.

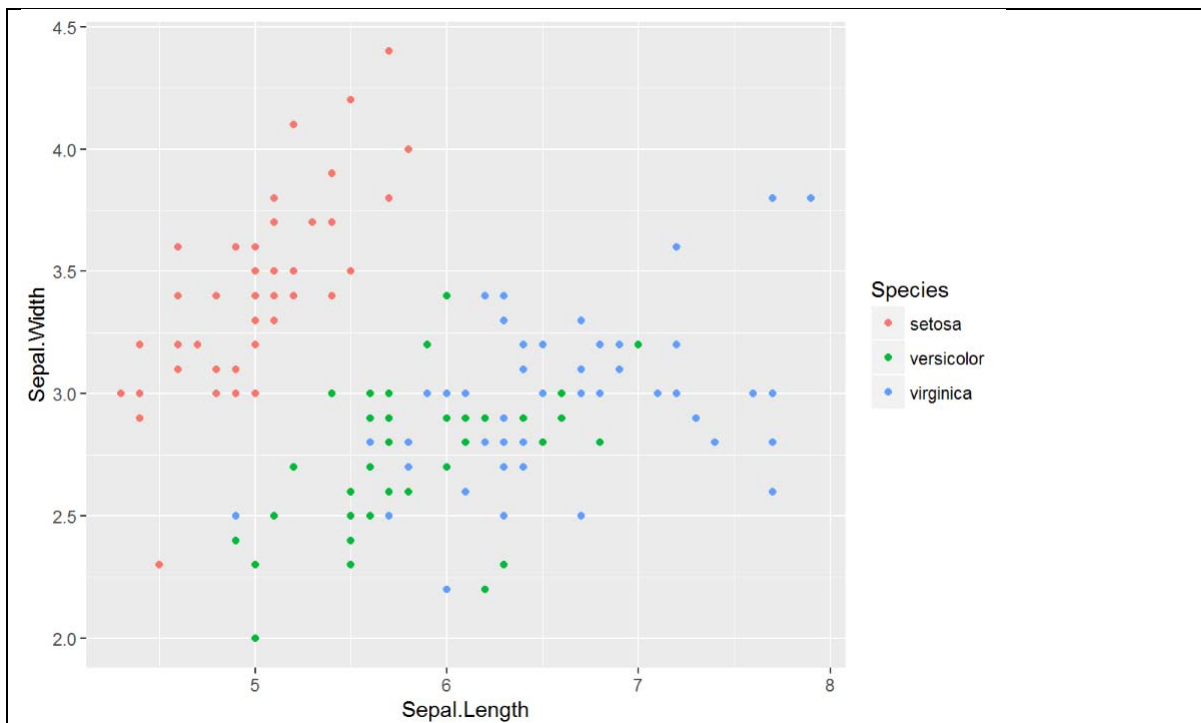
In this assignment, practice visualizing data using ggplot.

Instructions:

1. Explore “iris” data as follows:

```
## 'data.frame': 150 obs. of 5 variables:
## $ Sepal.Length: num 5.1 4.9 4.7 4.6 5 5.4 4.6 5 4.4 4.9 ...
## $ Sepal.Width : num 3.5 3 3.2 3.1 3.6 3.9 3.4 3.4 2.9 3.1 ...
## $ Petal.Length: num 1.4 1.4 1.3 1.5 1.4 1.7 1.4 1.5 1.4 1.5 ...
## $ Petal.Width : num 0.2 0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.2 0.1 ...
## $ Species : Factor w/ 3 levels "setosa","versicolor",...: 1 1 1 1 1 1 1 1 1 1 ...
```

2. Plot “iris” data as shown below:



3. Resize the point of each species in the plot based on the width of Petal shown below:

