Iris Analysis

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## question 1 ansewer

iris\_summary <- iris %>%  
 group\_by(Species) %>%  
 summarize(  
 Mean\_Sepal.Length = mean(Sepal.Length),  
 Median\_Sepal.Length = median(Sepal.Length),  
 Min\_Sepal.Length = min(Sepal.Length),  
 Max\_Sepal.Length = max(Sepal.Length),  
   
 Mean\_Sepal.Width = mean(Sepal.Width),  
 Median\_Sepal.Width = median(Sepal.Width),  
 Min\_Sepal.Width = min(Sepal.Width),  
 Max\_Sepal.Width = max(Sepal.Width),  
   
 Mean\_Petal.Length = mean(Petal.Length),  
 Median\_Petal.Length = median(Petal.Length),  
 Min\_Petal.Length = min(Petal.Length),  
 Max\_Petal.Length = max(Petal.Length),  
   
 Mean\_Petal.Width = mean(Petal.Width),  
 Median\_Petal.Width = median(Petal.Width),  
 Min\_Petal.Width = min(Petal.Width),  
 Max\_Petal.Width = max(Petal.Width)  
 )

## Answer to Question 2 and Question 3

The Species with the highest average Petal length is Virginica

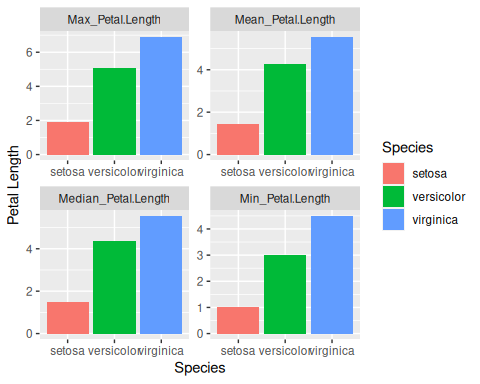
## [[1]]



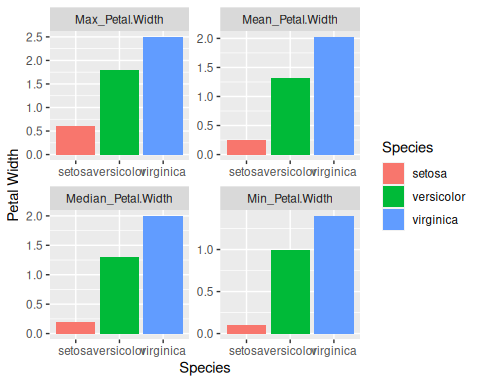
##   
## [[2]]



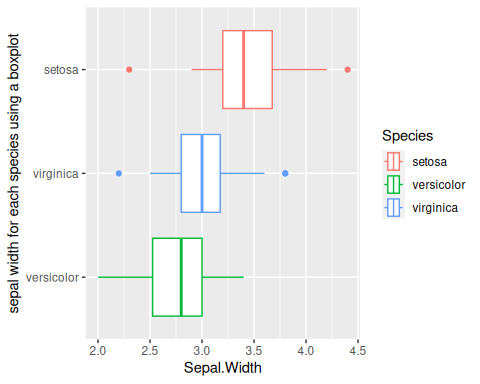
##   
## [[3]]



##   
## [[4]]

 ## answer to question 4

Within the Iris data set there is 4 total outliers within sepal width. Two outliers within the setorsa, and two outliers within viriginica2

 ## answer to question 5

