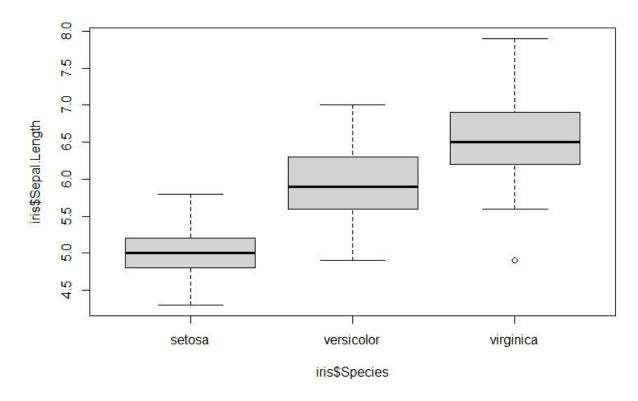
- 1. Setosa
- 2. ~5cm
- 3. 5.006 cm setosa <- subset(iris, Species == "setosa") mean(setosa\$Sepal.Length)

4.



- 5. Yes, they meet the criteria for normality. The p-value for the shapiro test is above the alpha level, allowing us to reject the null hypothesis that the data is non-normally distributed.
- 6. Yes, we determined that a linear model is appropriate for this data. The relationship between the values is linear and has normally distributed residuals.
- 7. ~2.23 cm
- 8. 4*2.23 = ~8.92cm
- 9. Yes, this model meets the criteria for normality. The p-value for the shapiro test is above the alpha level, allowing us to reject the null hypothesis that the data is non-normally distributed.