Reading Questions

1. What is the disadvantage of using a 100% coverage interval to describe variation? Enter Text Read Quest-1

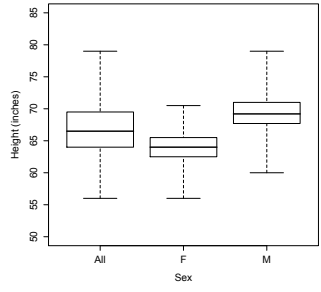
2. In describing a sample of a variable, what is the relationship between the variance and the standard deviation? Enter Text Read Quest-2

3. What is a residual? Enter Text Read Quest-3

4. What's the difference between "density" and "frequency" in displaying a variable with a histogram? Enter Text Read Quest-4

5. What's a normal distribution? Enter Text Read Quest-5

6. Here is the graph showing boxplots of height broken down according to sex as well as for both males and females together.



   Which components of the boxplot for "All" match up with the boxplot for "M" or "F"? Explain why. Enter Text Read Quest-6

7. Variables typically have units. For example, in Galton's height data, the height variable has units of inches. Suppose you are working with a variable in units of degrees centigrade. What would be the units of the standard deviation of a variable? Of the variance? Why are they different? Enter Text Read Quest-7