Stats: Modeling the World – *Bock, Velleman, & DeVeaux*

Chapter 4: Understanding and Comparing Distributions

Key Vocabulary:

* Comparing Distributions
* Comparing Boxplots
* Timeplot
* Re-express (Transform)

Computer Skills:

* Comparative Boxplots

1. When is it beneficial to compare data using histograms and stem-and-leaf plots?
2. When is it more beneficial to compare data using boxplot?
3. Draw your own example of a stem-and-leaf plot comparing two sets of data.
4. Why are outliers so important?
5. What are two things you should *never* do with outliers?
6. When would it be appropriate to use a *time plot* to display your data?
7. That is meant by *re-expressing* or *transforming* data?
8. What is the purpose of *re-expressing* or *transforming* data?