Copy or import your figures and tables into a Word (or similar word processing package) document.

1. Select one of the available data sets to produce a table of descriptive statistics for at least three variables. If the data include a factor use it to calculate the descriptive statistics for each group (if you are using the VitalStats data set compare the same measure for different years). Discuss what the results tell you about the distributions of each of the variables. Are they symmetrical? How large is the standard deviation relative to the mean?

2. Using the same data set select, produce a boxplot, a histogram, a kernel density plot, and a quantile comparison plot for each of three measures. How do the plots support or alter your conclusions about the distributions of each variable.

3. Using the same or a different data set, construct two simple barplot and two stacked or side-by-side barplots. What do they tell you about the data in terms of the relative sizes of the different groups?

4. Using the same or a different data set, construct two scatterplots. Discuss the results in terms of the symmetry of the two variables (from the marginal boxplots) and the degree to which the relationships are linear (from the linear fit and the smoothed line).

5. Using the same or a different data set, construct a scatterplot matrix. Discuss the results in terms of which variables seem most closely related and the degree to which the relationships are linear.