Anthropology 642: Research Methods in Anthropology  
Problem 2. Descriptive Statistics and Graphs  
Due: September 22, 2011  

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

1. Using your own data or one of the data sets on the website, select a numeric variable and make a kernel density plot. Using the abline() function add the mean and median to the plot as vertical lines (use ?abline to get help with the abline function). Using the plot and the position of the mean and median indicate how symmetrical the data are.

2. Using your own data or one of the data sets on the website, plot three numeric variables using one of the methods we discussed (interactive in Rcmdr, scatterplot3d, or using the symbol() function).

3. Using one of the plots you created last week (or a plot like one you created last week), use one or more of the commands we discussed to modify the plot to make it more informative (e.g. add reference lines, a grid, a legend, more informative labels, using color or different symbols, etc)

4. Create a new graph taking advantage of the enhancements we have discussed.