

## What Your Presentation and Final Paper Should Include:

- A brief recap of your proposal, including why your group found the question interesting and worthy of study.
- Your method of collecting data.
- A discussion of biases which may have resulted from your collection of data. (Undoubtedly there will be bias; your group must argue that it isn't meaningful enough to invalidate your results. "*There is no such thing as a random sample.*" — Professor Michael Berg, Experimental Psychologist)
- Difficulties—if any—which arose and were surmounted.
- A brief discussion of sample size as it pertains to your project.
- Descriptive statistics, if applicable. That is, the mean, median and standard deviation.
- Scatterplots, confidence intervals, hypothesis tests and  $\chi^2$  tests, as applicable.
- A conclusion which clearly states the results of your scatterplots, confidence intervals, hypothesis tests, and  $\chi^2$  tests.
- Accompanying histograms, scatterplots and stem-and-leaf diagrams, as applicable.
- Amusing anecdotes (if any).
- Some display of your data, even if it's simply a list.

*Note:* The paper should be written as a report, with clearly-labeled sections indicating each phase of the project from why it was of interest to what conclusions were drawn.)

**Group Presentations are:**  
Thursday, May 10<sup>th</sup>, starting at 2pm.

All presentations will be, I hope, in the Mars Science Center, Room 1141