

## Statistics Project Presentation

Each group will give a ten minute summary of their project on August 6th or 7th. To receive credit each member must participate (present data, explain a concept, answer a question, or *speak* in some way about the project). Practice your presentation as a group and make use of tables, graphs, posters, or even the overhead projector. A four-minute questioning period will follow your presentations, so make sure everyone in the group is fully informed.

The presentation must address the questions detailed below:

1. What did you investigate and how did you go about sampling? Be prepared for detailed questions about your sampling procedure, including techniques you used to avoid bias.
2. What did you find out? The results should include at least one confidence interval and one significance test. I expect you to run a dozen tests based on you data but you should focus your presentation on the most interesting results. For example, you might first do a 2-sample  $t$ -test with the two populations being male and female, but then find more interesting results if you repartition your data based on gym attendance. Be prepared to answer questions about what other tests you considered before you designed your presentation.