

## STAT 480, Homework 2, Spring 2003

In this assignment you will continue to work with the survey introduced in homework 1. You are to work on this assignment in groups. You may divide up the work but you are to submit only one SAS DATA step and one write up for your group.

### 1. Preparing and entering the data.

- Use the coding form developed in homework 1, and modified in our class discussion, to code the 120 questionnaires. Each group will be given the full set of 120 questionnaires to enter.
- Each group is to enter their data into a file in the form of a SAS DATA step.
- When your group has entered their data, email Dr. Bob a copy of the file containing the data (wrstephe@iastate.edu). On Vincent the easiest way to do this is by issuing the following command at the Vincent prompt.

**mail wrstephe < *filename.dat***

- This part of the assignment must be completed before class on Tuesday, January 28.

### 2. Checking the data.

- Dr. Bob will put a file in the class directory called **DrBob.dat** which contains the 120 questionnaires as entered by Dr. Bob using the agreed upon coding form.
- In class on Tuesday, January 28 each group will write a SAS program to print each data set, yours and Dr. Bob's and use PROC COMPARE to compare the two data sets.
- Interpret the output of PROC COMPARE and indicate where there are disagreements between the two data sets. Go back to the original data sheets to resolve the disagreements.
- Be sure to bring your groups original data sheets with you to class on Tuesday, January 28 as you will need access to all of the sheets to settle disagreements.

### 3. Writing the report.

Write a report giving background on the survey and the variables. Describe where PROC COMPARE found disagreements between the two data sets and indicate how you resolved each data set. Include at the end of the report the SAS program code, the print out of the two data sets (yours and Dr. Bob's) and the output of PROC COMPARE. **The written report is due in class Tuesday, February 5.**