

Homework 0 (not to be handed in) due? Jan. 10

1. Find a computer that has SAS installed on it. You can use any ITaP computer lab with your “career account”. To install SAS on your home or lab computer, go to 5th floor of Young Hall and show your student ID to get the CDs (PC only; you will need to know if your computer is 32-bit or 64-bit). It does take a lot of disk space to install. You may also run SAS via goremote using your “career account”.
2. (Optional) Read the first two chapters of *Applied Statistics and the SAS Programming Language* by Cody and Smith. Make sure you can do the problems at the end of each chapter.
3. Go to the class web page (SAS) and locate the file “diamonds.sas”. Save this file to your computer.
4. Start up the SAS program, by double-clicking on the diamonds.sas file (if you have installed the file on your home computer), or run SAS using an ITAP computer (All programs → Standard Software → Statistical Packages → SAS 9.3 → SAS 9.3 (English)) or run SAS using goremote (Standard Software → Statistical Packages → SAS 9-3 64-BIT). I strongly recommend that you put a shortcut to this on your homepage ☺. Get familiar with the layout of the windows, menus, and editing capabilities. Try the tutorial under Help → Getting Started with SAS Software. Depending on your comfort level with computers, it may be useful to go through the entire tutorial. Make sure you can find the Program (Editor), Output, and Log windows.
5. If you have not already loaded the code into SAS, select File → Open Program and find diamonds.sas using Explorer. Next, run the program. With the editor window (containing diamonds.sas) active, select Run → Submit or click on the “running person” icon  near the top right (next to the delete icon).
6. Examine the output that was created in the Output window. Try to figure out which output comes from which input commands. See how they match up with what was shown in class.
7. Copy and paste directly from SAS into WORD, and then edit the output. (Note: that some of the output is in HTML format so be sure to copy it using that method. The output comes out in tables in Word, so you will need to use table commands to edit it.) To copy a graph into WORD, right click on the graph and select COPY. Then paste it into WORD. Remember that all SAS output for this class should be cut down to include only those parts that are needed and pasted into the appropriate spot in your assignments.
8. Look in the Log window and try to understand the messages it gives.
9. Try modifying the program and running it again to see what happens. Notice that the new output is appended to the Results Viewer and Log windows, which can be confusing if you run the same program several times. To run only specific parts of the program, select the commands you want to run, and click Submit. IMPORTANT: The last word in your selection must be the command “run;” or else nothing will happen. Every program file should end with the commands “run; quit;”
10. Use the help system to get more information about the SAS commands used and their options (such as proc reg and proc gplot). I find the Index is usually more helpful than the Search for looking things up. There is also an online website (<http://support.sas.com/documentation/>) which I use extensively for help. Or, you can just google your question.