

First-time Directions:

In addition to completing the tasks given below, all programming assignments should include the following elements. These will not be repeated on future assignments, unless changes are necessary.

- Every program you submit for grading must include a header section that includes your full name, course and section number, last date you edited the program, and a brief description of the intent of the program. (I suggest using the README program in your programs folder and make the necessary updates.)
- Your program must include clear and concise comments to explain the intent of your code. Keep in mind that comments are not just for you - they are also for your colleagues and clients (and TA). There are typically multiple ways to achieve the same result, so use brief comments to explain your reasoning.
- All comments in your code must use the `*comment;` style. Do **not** use the kernel style comments, `*comment*\`, because they are sometimes incompatible with Moodle submissions - better to be safe rather than sorry!
- The only file you need to submit is your SAS code. The file must be saved as a .SAS file in the format *HWXXLast-NameFirstInitial.sas*. For example, my submissions would be named *HW01DugginsJ.sas* for the first assignment. No other submission types will be graded (i.e. you will get a zero on the assignment.) The TA can submit your code to see your output and log. For this reason, you must name (e.g. libraries, custom formats, etc.) *as specified in the assignment* - if not, then we cannot run your code successfully.
- Files you produce should also include your name. If I produce a report called HW6 Duggins Superfund Report.pdf then a student named Tony Stark should be producing a file called HW6 Stark Superfund Report.pdf - this makes comparing our results very simple because you cannot confuse when you are looking at my work or yours!
- Assignments are graded based on the rubric provided on the Moodle page. Please read through the rubric and make sure you understand it. Because the same rubric is used for every assignment you will always know what is expected of each program.
- Finally, while I can't require you to do the following - I strongly suggest you:
 - Before submitting your code, delete any files (data sets, formats, results, etc.) you were using, close SAS, reopen SAS, and then run your entire program. Doing so ensures that no forgotten options or data sets are affecting your output. This should create a scenario in which you and the TA are looking at the same output.
 - Even after submission (or before, if you prefer) you should take time to experiment with the code. Each assignment will be asking you for a specific task, but that does not mean it requires mastery of every programming technique we've seen so far. Try changing variables, or formats, or programming the same output a different way and see how it affects your results. Then figure out why! As an example, I won't ask you about the IB and PDV contents or the location of pointers on every assignment, but you should always know what is going on behind the scenes!

- You are allowed at most zero **DATA** steps and seven **PROC** steps to complete this assignment.
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Specifications:

- Create a library that points to the provided data sets and name this library InputDS. Create a library named HW1 that points to the location where you will store any data sets you create. Save any results you produce to the same directory as your HW1 data sets. These directory assignments must use relative paths.
- Use the Shoes data set from our shared library to produce a report that matches mine found in HW1 Duggins Shoes Report.pdf. (Remember, from above that means your file name should be HW1 *your-last-name* Shoes Report.pdf) There are a few elements you'll need that cannot be inferred from the provided report, for those I've provided these pointers!
 - The PDF uses the Festival style.
 - To add dollar signs and commas, use the DOLLAR format. You'll need to figure out what width is necessary to fit the values precisely - don't use more/less space than you need.
 - My smaller titles use an 8 pt font. All other font sizes are the default and all the fonts and colors are defaults as well.
- When creating the report, place the resulting output only in the PDF. No results should appear in any other destination.