**I can't get started with SAS**

<http://www.youtube.com/watch?v=W3cKifJYLi8>

Here are the steps I use when starting up SAS.

1. Open SAS
2. Set the current folder
3. Set up the fonts:

**OPTIONS FORMCHAR="|----|+|---+=|-/\<>\*";**

1. Generate output in the output window

**ods listing;**

1. Set up the libname for the folder containing your SAS datasets (the libname statement only needs to be submitted once per SAS session, but submitting it more than once is also OK).

**Libname sasdata2 "C:\Users\kwelch.UMROOT.000\Desktop\sasdata2";**

1. Get some data into SAS, either by reading in raw data, or importing an Excel, csv, SPSS, or Stata file, or by reading in a permanent SAS dataset.

**Read Raw Data**

**data pulse;**

**infile "pulse.dat";**

**input pulse1 pulse2 ran smokes sex height weight activity;**

**run;**

**Import from Excel**

**PROC IMPORT OUT= WORK.PULSE DATAFILE= "PULSE.XLS" DBMS=XLS REPLACE;**

**SHEET="pulse";**

**RUN;**

**Read a SAS dataset that already exists**

If you have already submitted your libname statement, you do not need to submit it again. It is shown here, just in case.

**Libname sasdata2 "C:\Users\kwelch.UMROOT.000\Desktop\sasdata2";**

**data business;**

**set sasdata2.business;**

**run;**

**data thai1;**

**set sasdata2.thai1;**

**run;**

**Modify a SAS dataset that already exists**

**\*Modify an existing permanent SAS dataset;**

**data thai1;**

**set sasdata2.thai1;**

**if rep1 = 1 then repeated = 1;**

**if rep1 = 0 then repeated = 2;**

**run;**

**\*Modify an existing temporary SAS dataset;**

**data thai2;**

**set thai1;**

**if rep1 = 1 then repeated = 1;**

**if rep1 = 0 then repeated = 2;**

**run;**

**Run some procs**

**proc print data=business(obs=10);**

**run;**

**proc means data=business;**

**run;**

**proc means data=thai2;**

**run;**

**proc freq data=pulse;**

**tables ran;**

**run;**

**To Get Graphics Going**

**ods graphics on;**

**To Turn Graphics Off**

**ods graphics off;**

**To Edit Graphics Files**

**ods listing;**

**ods listing sge=on;**

There are instructions about how to edit graphics files in the workbook Chapter 17: Statistical Graphics. The difference is that you first need to submit "ods listing", and then submit "ods listing sge=on;". It appears that both of these are necessary in order to edit graphics files. When you edit the graphics (.sge) file, you can save it as a .sge file, or you can save it as a .png file. Saving it as a .png file makes it possible to open the file in Word, Powerpoint, or other application.

**More resources**

There is also a section at the start (p.5) of your workbook called "Getting Started with SAS".