Using SAS programs with the SAS Studio web application

SAS is a very powerful program for data management and analysis, and it is the main program featured in my Engineering Outreach (EO) recorded lectures. As mentioned in my introductory email note to students, there are other computing options for my EO courses, but SAS is a convenient choice for this course. Using the Web Editor interface (now called SAS Studio) is very straightforward for running SAS programs that do not call external data sets or macro programs. This document focuses on this case, where the data set is included in the SAS program. Contact me if you want to use external data or macros in the Web Editor environment.

These instructions assume that you have already created a SAS Profile and can access SAS Studio. I should have sent you a link in a previous email to allow you to register with SAS if you have not already done so. Once you are logged in on your SAS account to an area called your "Dashboard", there is a link to start SAS Studio under the name "Applications".
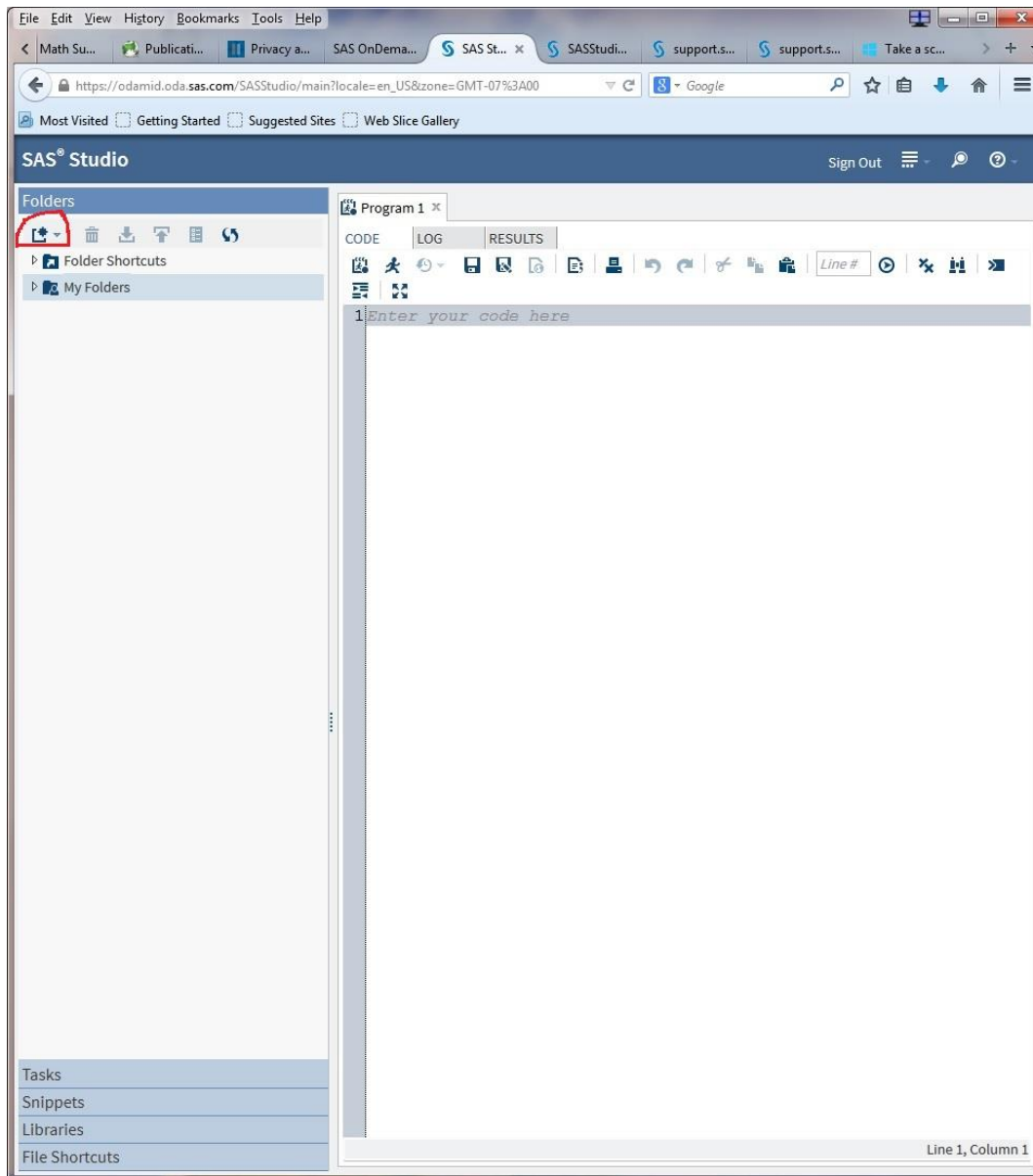
An illustration with a simple SAS program

Consider the following SAS code:
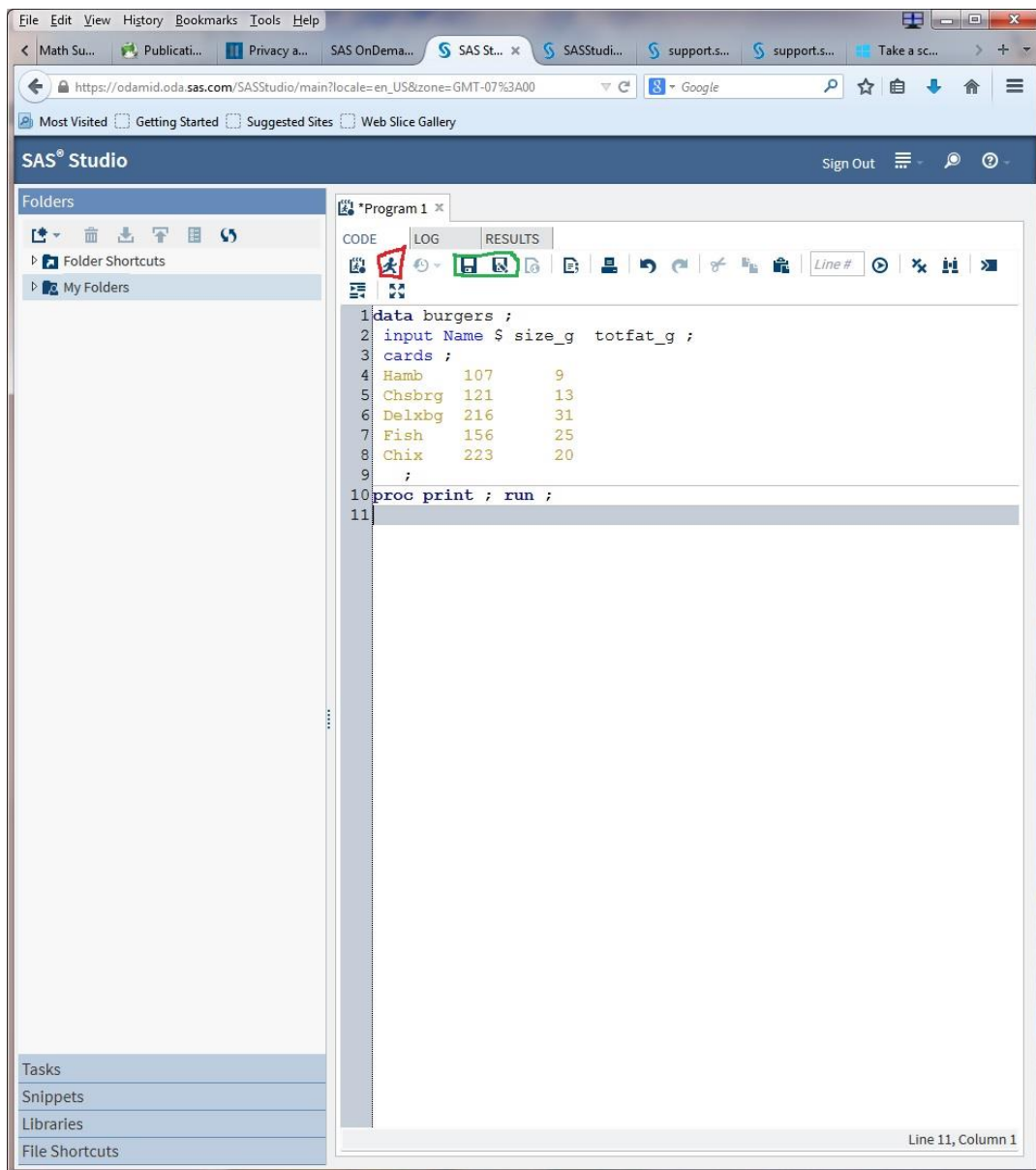
```
data burgers ;
 input Name $ size_g  totfat_g ;
 cards ;
Hamb    107       9
Chsbrg  121       13
Delxbg  216       31
Fish    156       25
Chix    223       20
   ;
proc print ; run ;
```

Click on "SAS Studio" from the SAS Dashboard to start the web application.

The code above can be directly pasted into the SAS Studio web editor program window and submitted. When you first start SAS Studio you should see a window something like this:

The big area on the right is where the SAS code window goes. It may already have a code window open for you (here it does). If not, just click the button that I have circled in red to open a New SAS program window (or hit the F4 key). Now you can take the SAS code from above and directly paste it into the program window as shown below:

To submit the program, click the Run button that I have circled in red. You should always save your programs, you can save them on your SAS Studio account by clicking one of the two buttons that I have circled in green. You may have to select a folder in which to save your program. Once saved, you should see your program listed in the left hand pane. When you run the program, the right hand window is now replaced with the results window from your program. If there were errors (none should occur from this program) it may open the log window instead to show you error messages. You can explore the other buttons above the code window to see what they do, and you can go between the three tabs (CODE, LOG, RESULTS) to see what they each show.