ANLT5020 – Unit 1 Assignment 1 Tutorial

SAS Studio

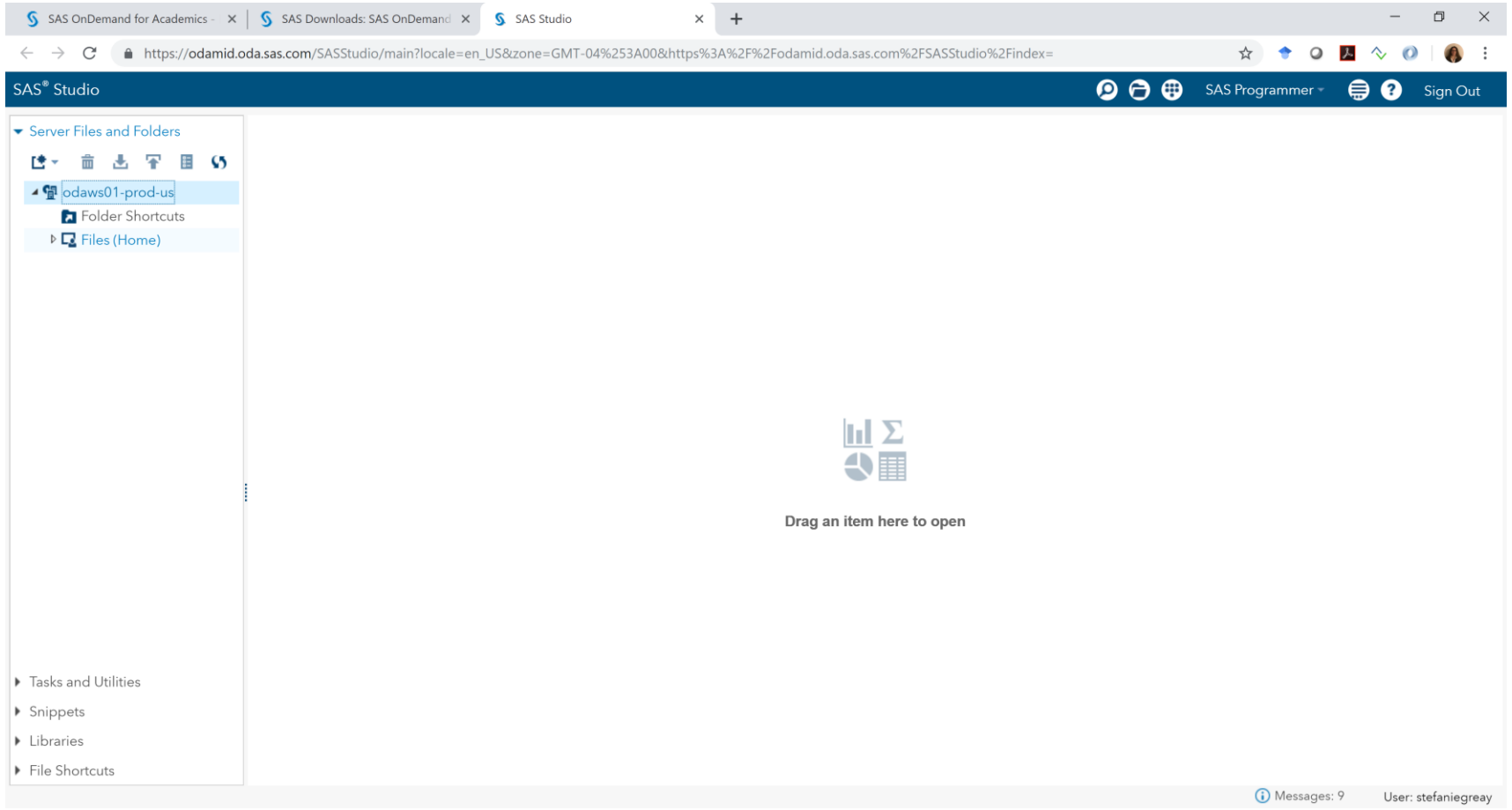
Instructions

- Use the dataset Class.xlsx, which is a small relational database created in Microsoft Excel.
- Import the data from the Class.xlsx file into SAS using the method of your choice.
- Report the code used to get the data into SAS.
- Use the SAS procedure called PROC CONTENTS to investigate the variables in this SAS dataset.
- Identify the number of observations and the types of variables (continuous/numerical or string/character).
- Use the procedure PROC FREQ, for the character variables, to list all of the distinct values for each variable.

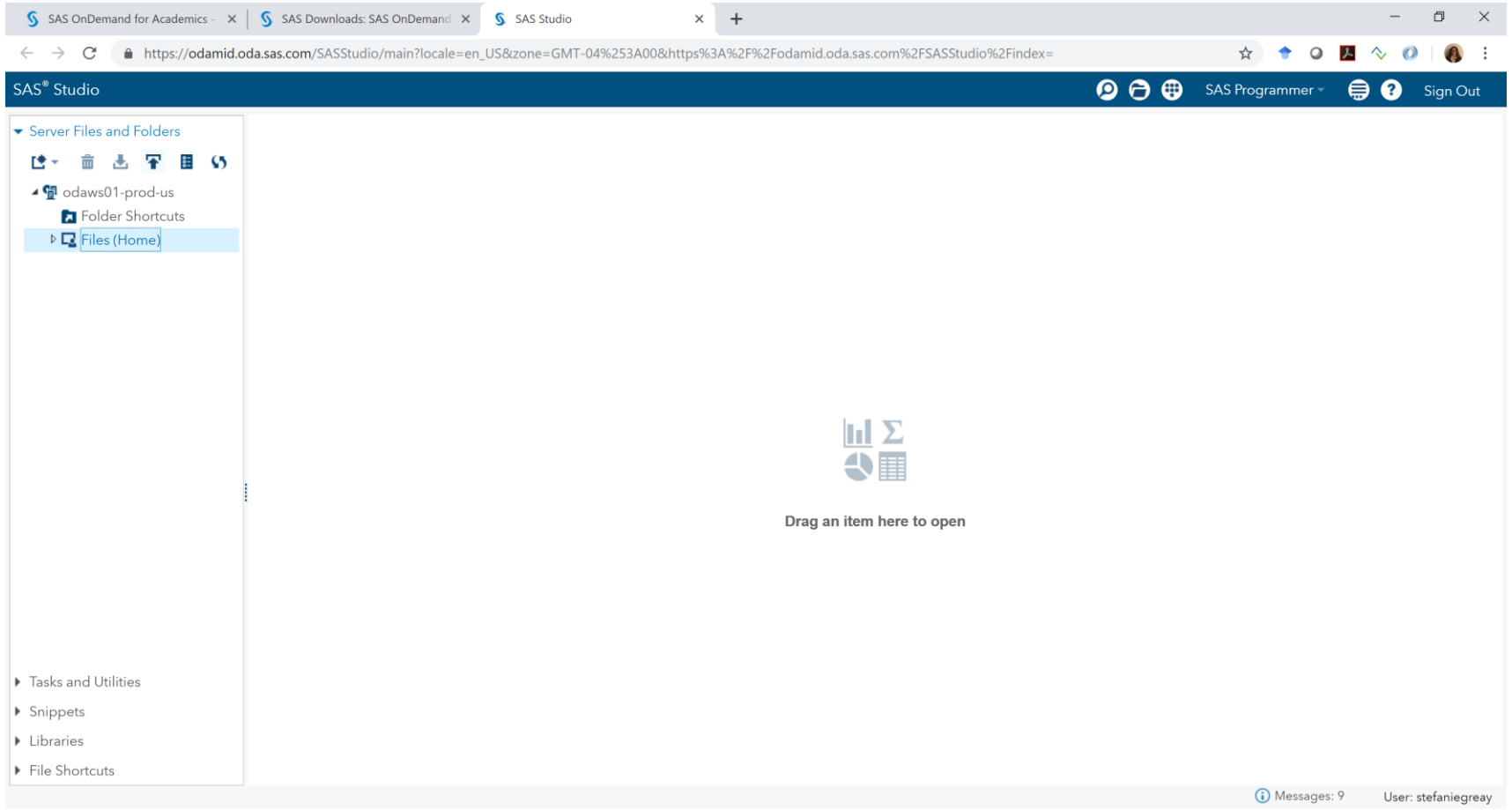
Dataset

- Download the class.xlsx file from the Unit 1 Welcome announcement in the course announcements.

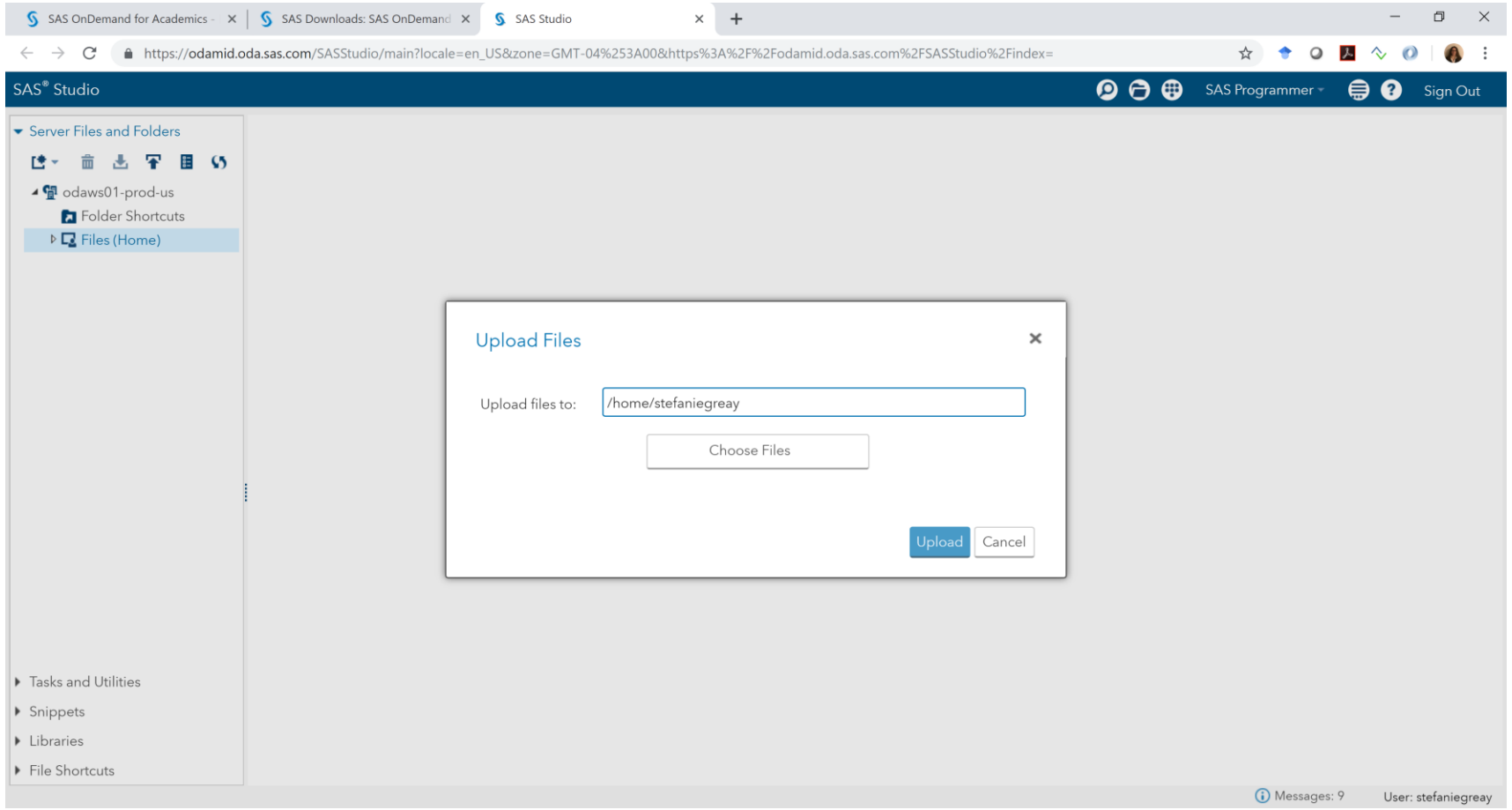
Click on Files(Home)



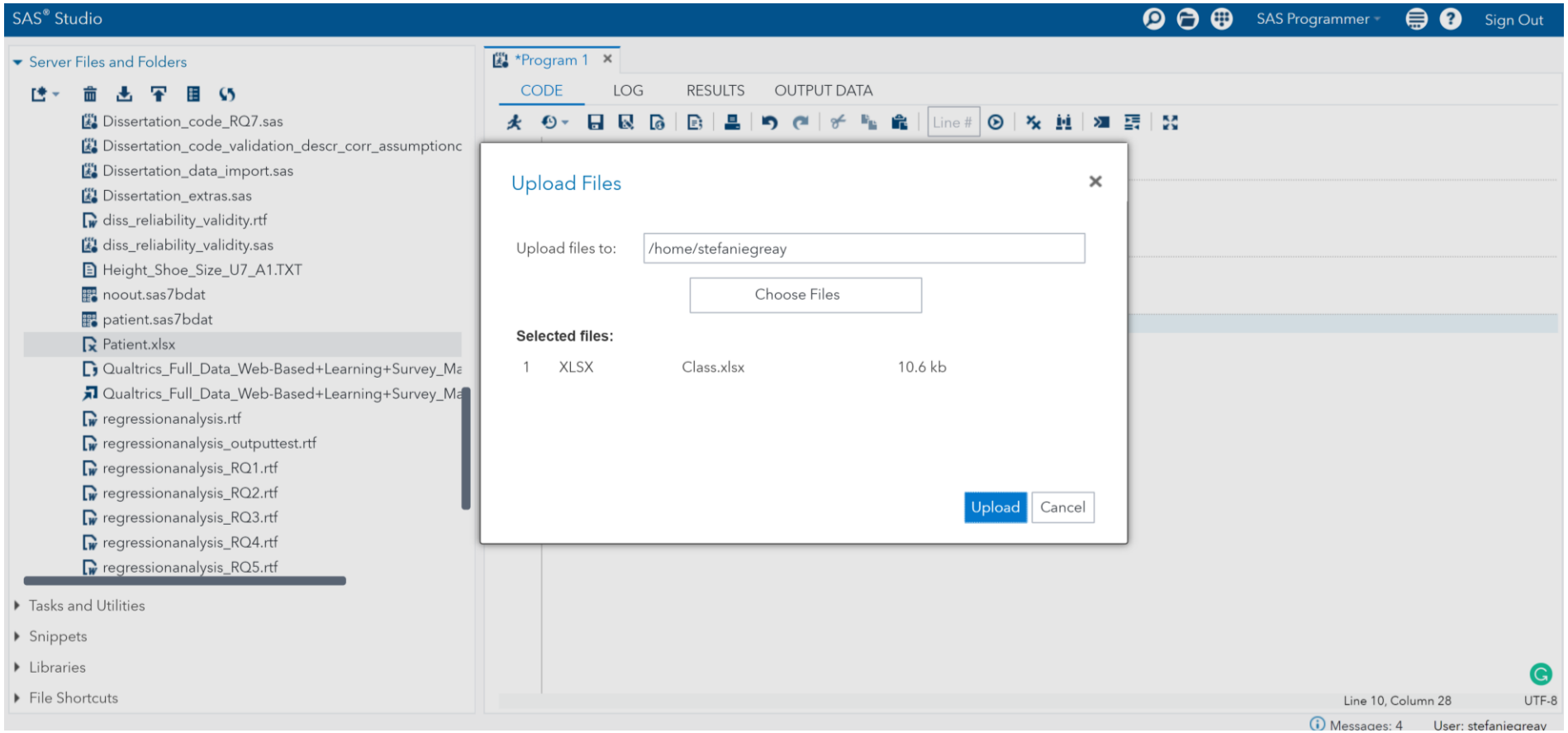
The Upload button will display in dark blue



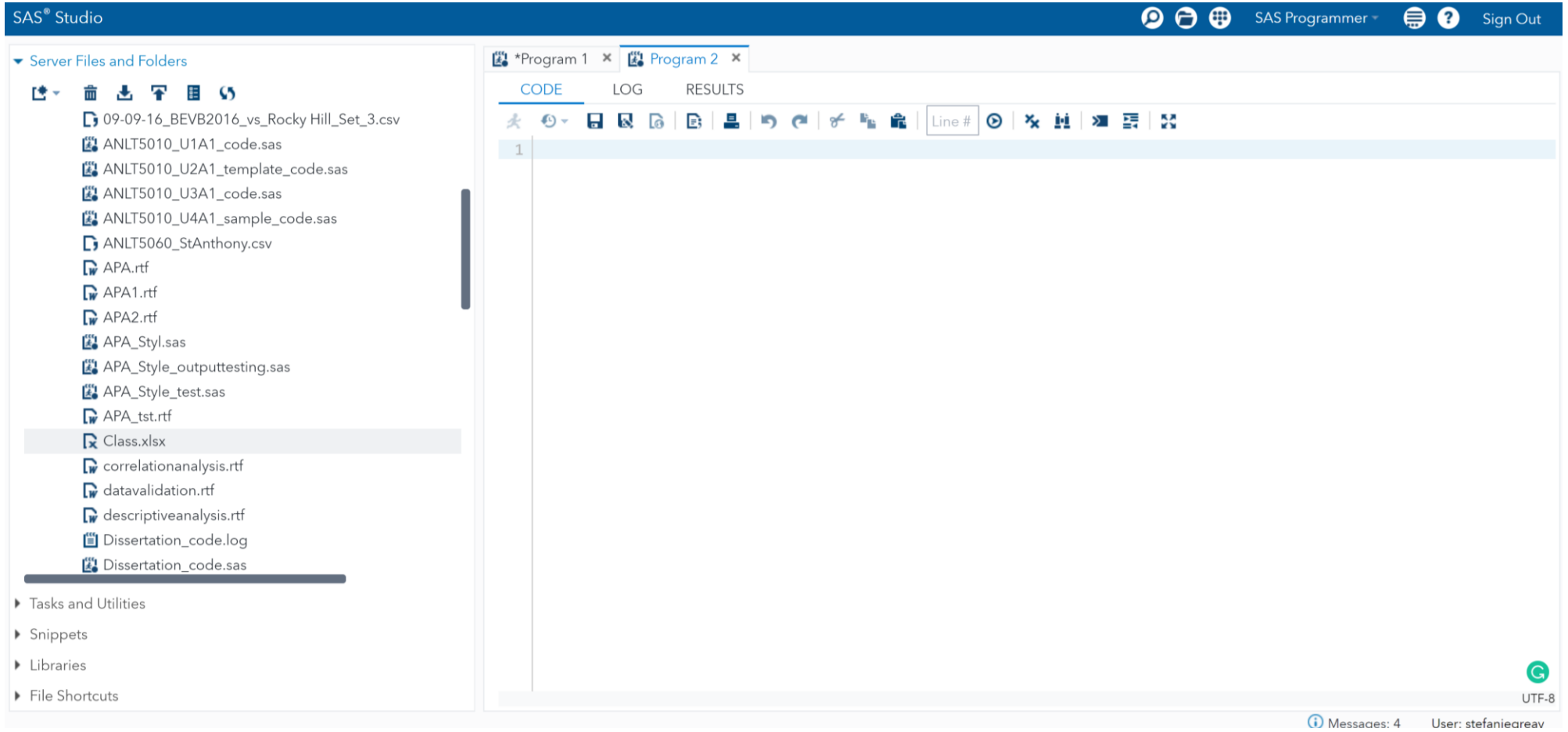
You can create a folder at this point, if you wish, or simply upload to your home directory.



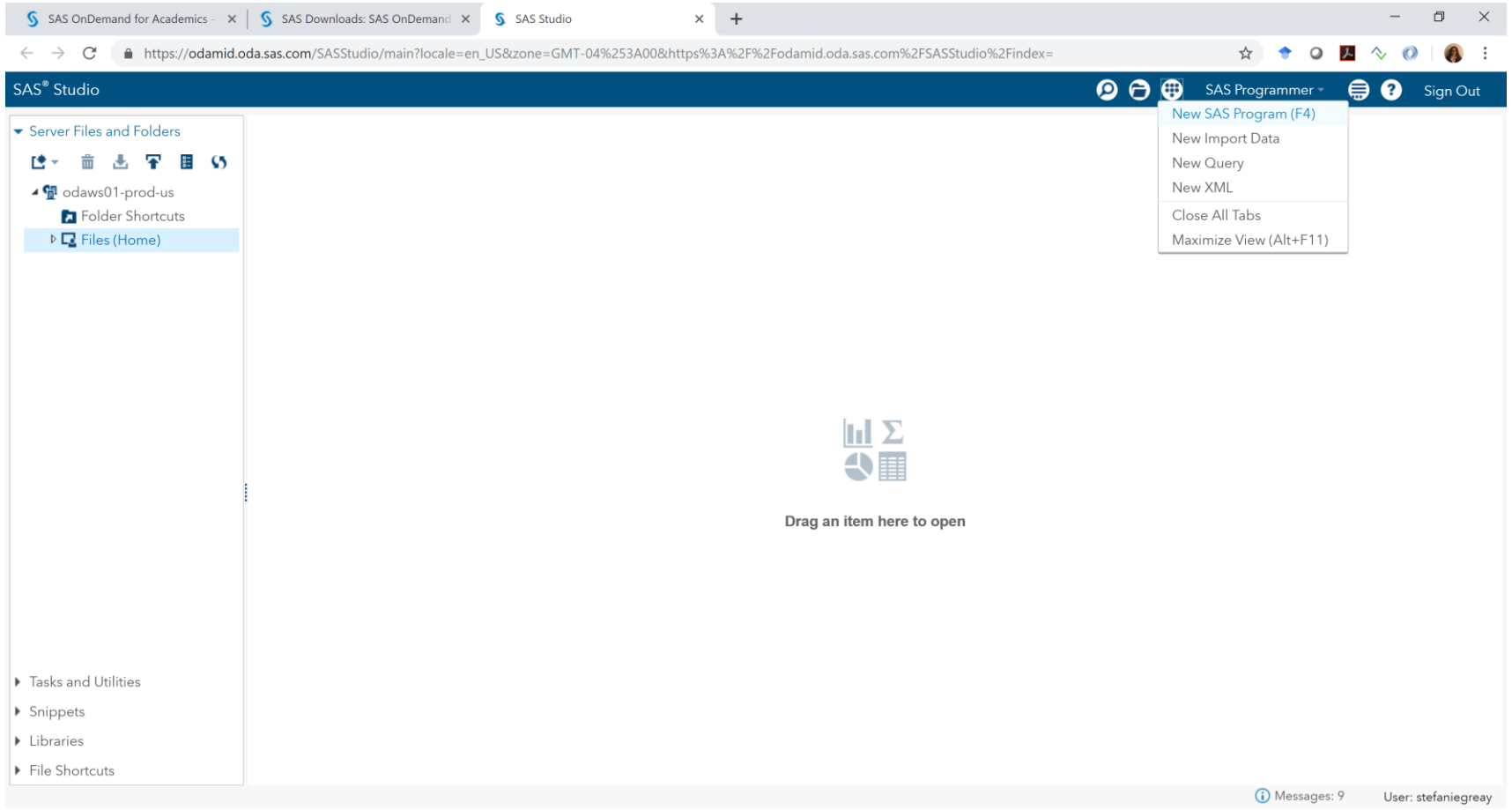
Select “Choose Files” to browse your computer for the dataset you want to upload. Once the dataset has been selected, click “Upload.”



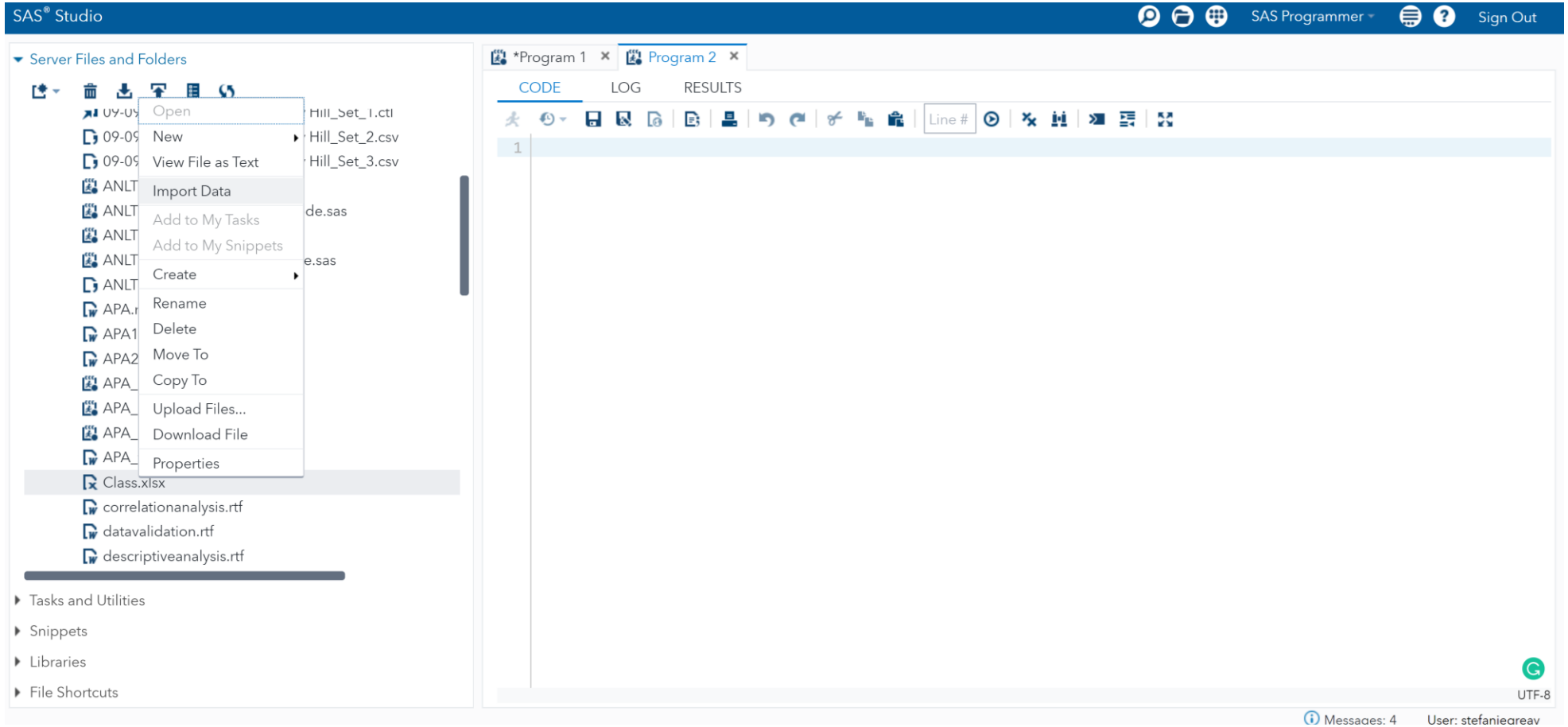
You will be able to view your files by clicking on “Files(Home)” to verify that your file successfully uploaded.



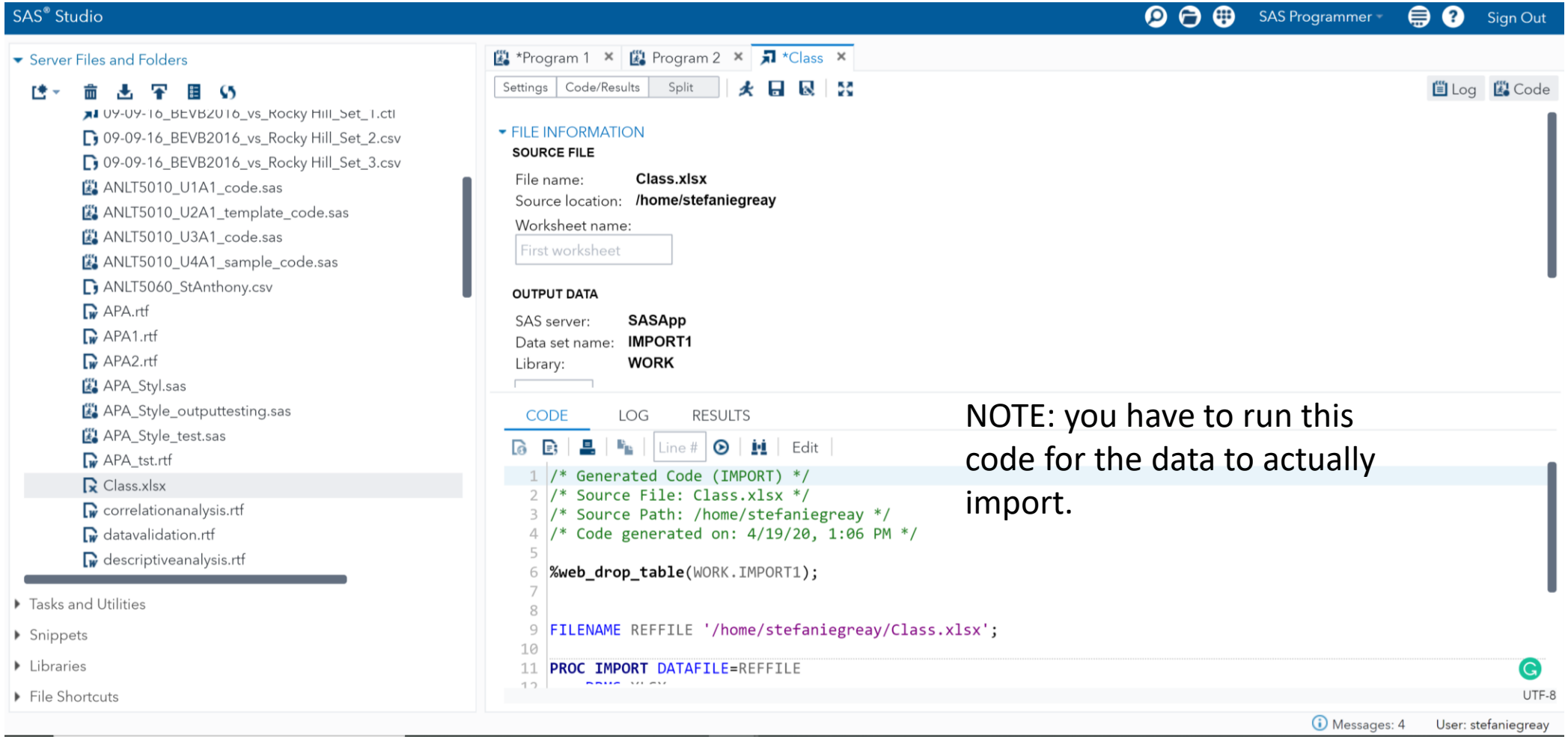
To get started with the SAS portion of the Unit 1 Assignment 1 assignment, start a new SAS program.



Import the dataset into a SAS dataset format (from the current csv format)

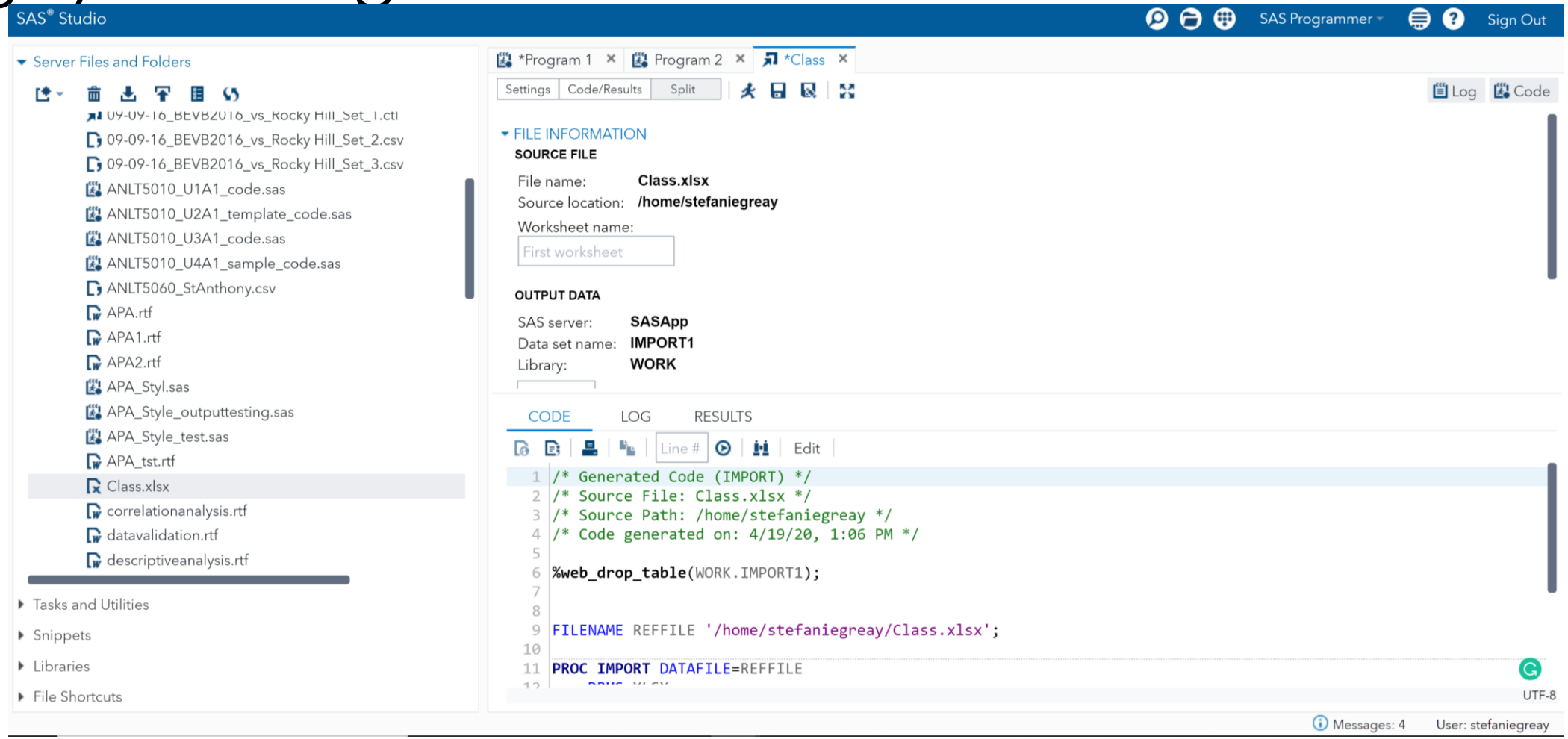


The Proc Import code will be written for you (save this as a template to use for future imports!)

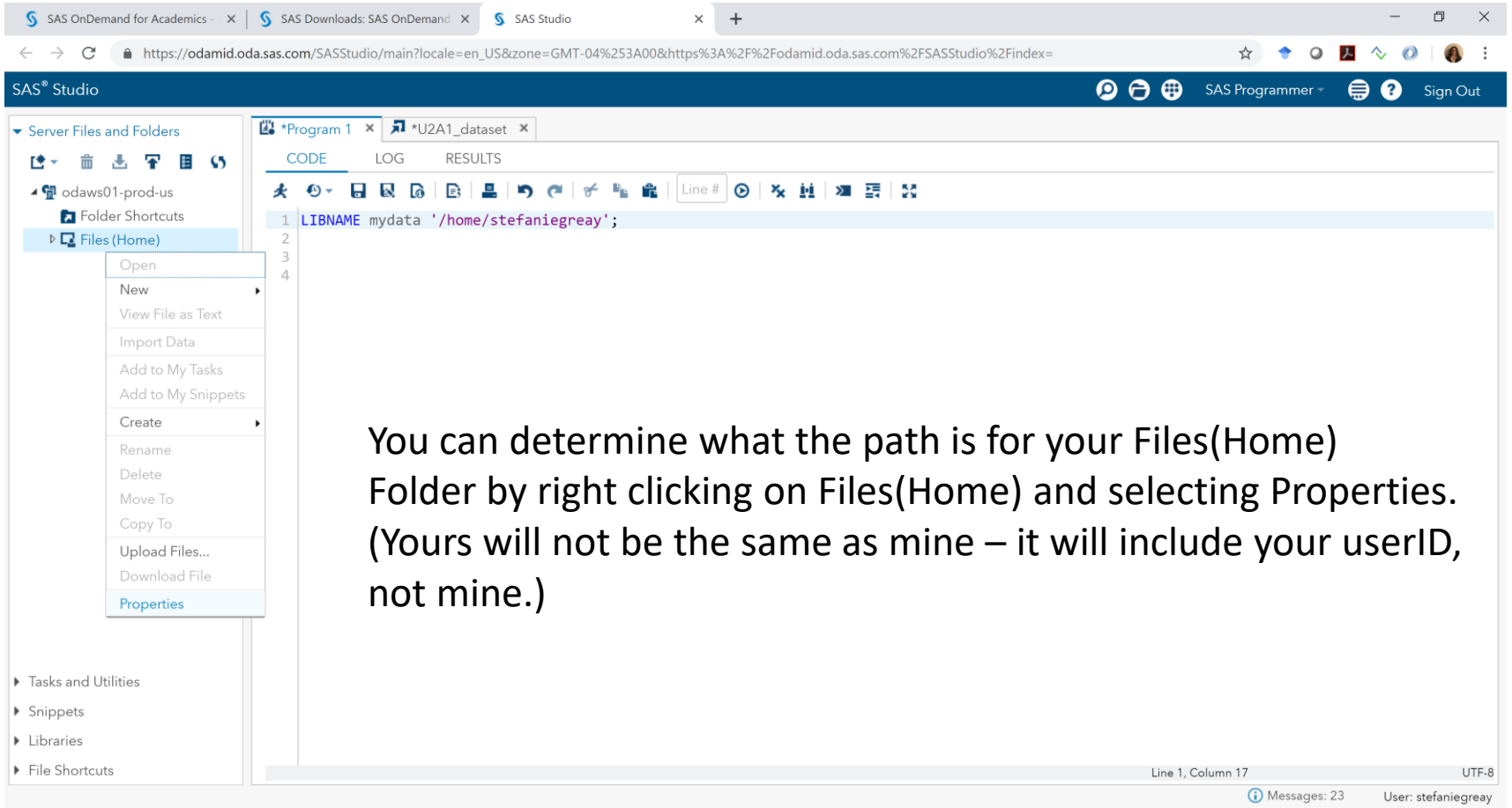


NOTE: you have to run this code for the data to actually import.

To run the code, click the icon that looks like a guy running.

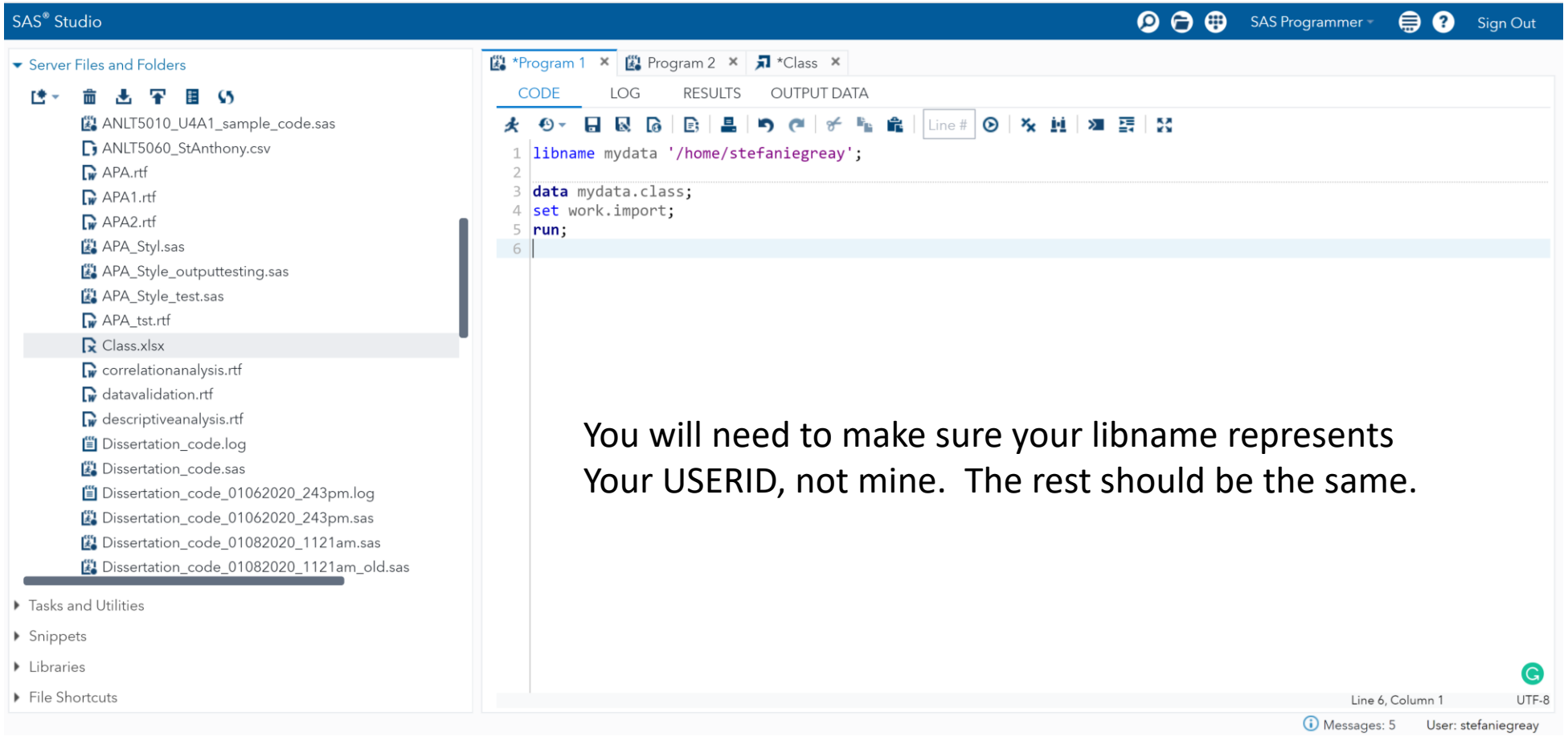


To create a SAS Library for your Files(Home) folder, you need to use a libname statement



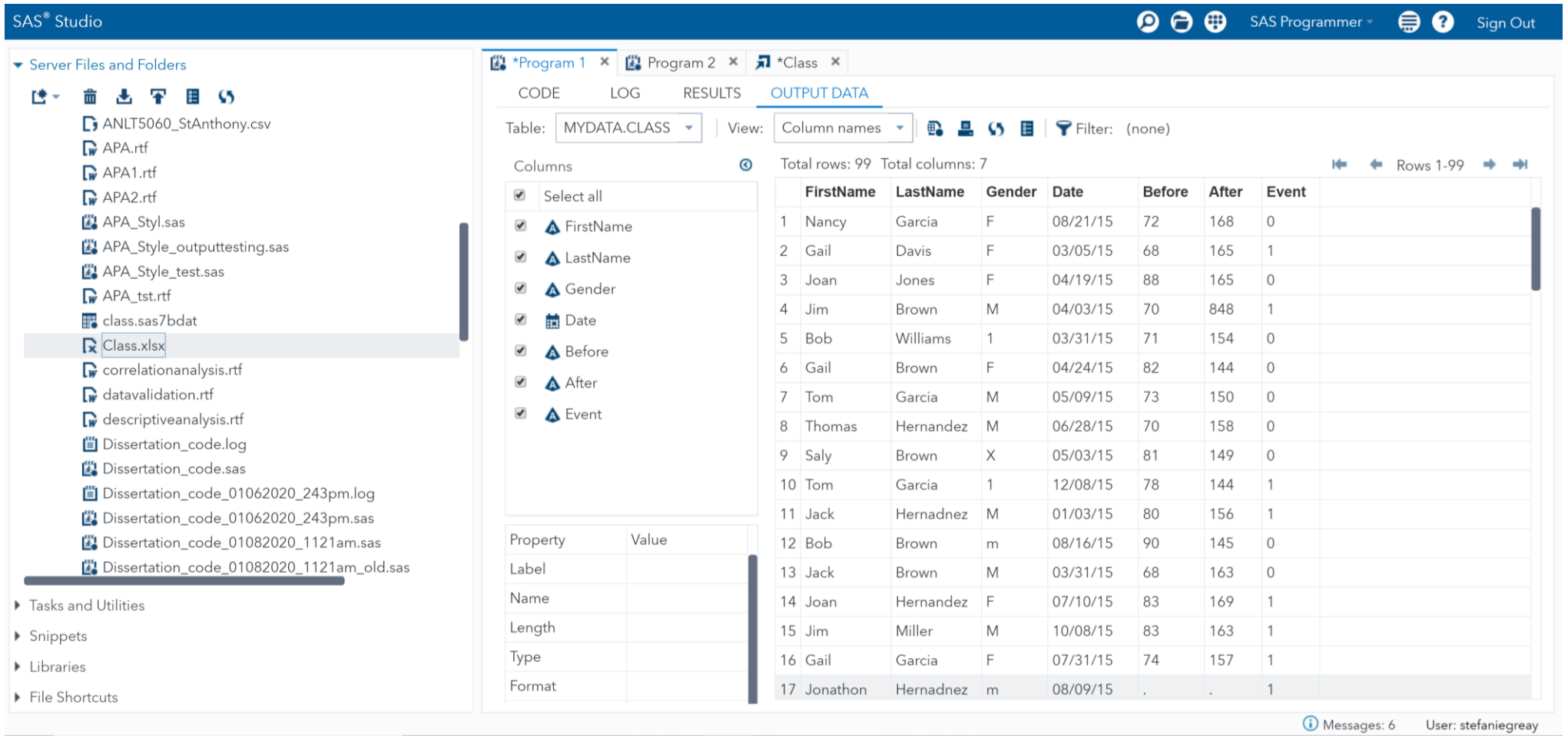
You can determine what the path is for your Files(Home) Folder by right clicking on Files(Home) and selecting Properties. (Yours will not be the same as mine – it will include your userID, not mine.)

Save the temporary SAS dataset created by the import to your library using the following sample code.



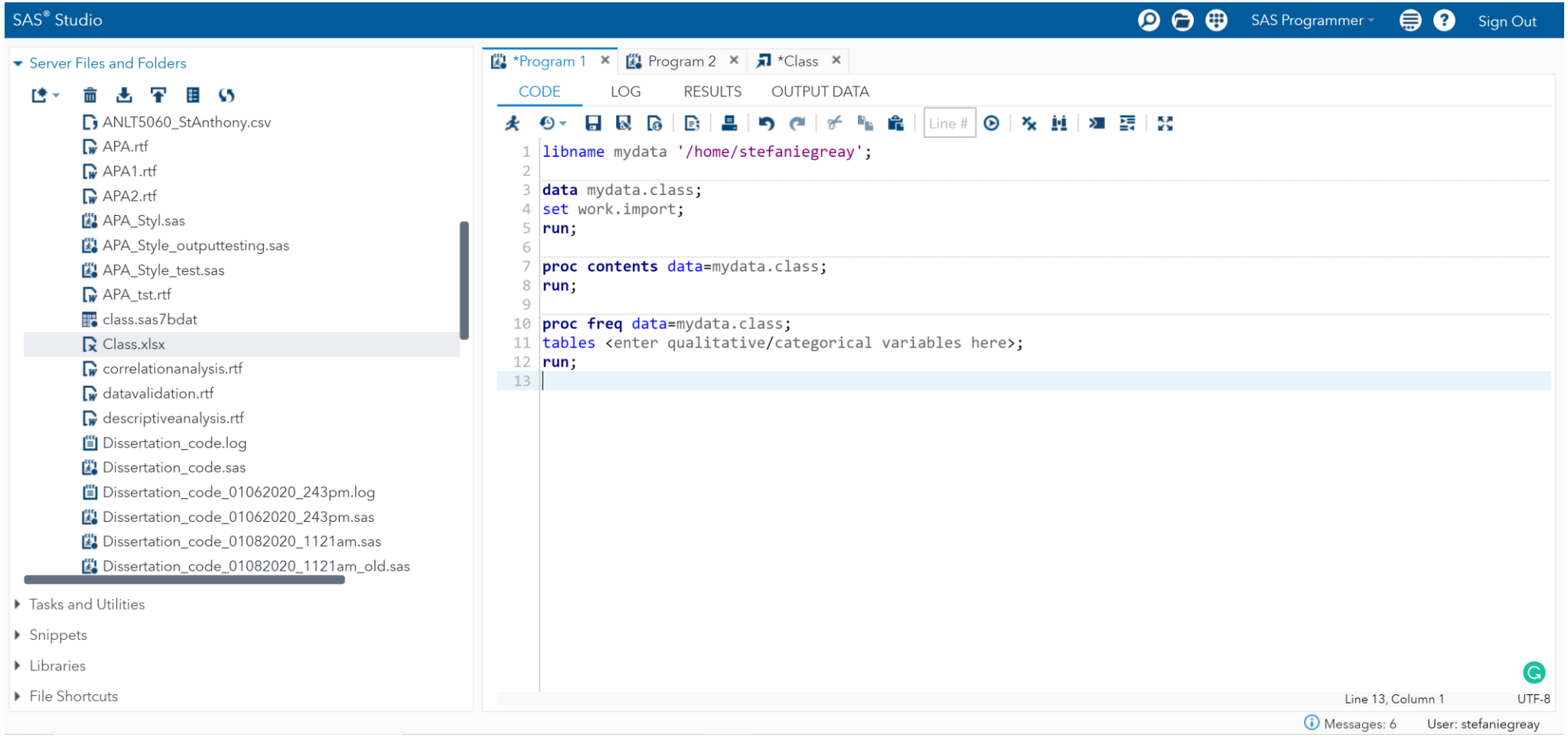
You will need to make sure your libname represents Your USERID, not mine. The rest should be the same.

When you run the code, you will see the dataset in the ouput data window and can verify its success.



	FirstName	LastName	Gender	Date	Before	After	Event
1	Nancy	Garcia	F	08/21/15	72	168	0
2	Gail	Davis	F	03/05/15	68	165	1
3	Joan	Jones	F	04/19/15	88	165	0
4	Jim	Brown	M	04/03/15	70	848	1
5	Bob	Williams	1	03/31/15	71	154	0
6	Gail	Brown	F	04/24/15	82	144	0
7	Tom	Garcia	M	05/09/15	73	150	0
8	Thomas	Hernandez	M	06/28/15	70	158	0
9	Saly	Brown	X	05/03/15	81	149	0
10	Tom	Garcia	1	12/08/15	78	144	1
11	Jack	Hernadnez	M	01/03/15	80	156	1
12	Bob	Brown	m	08/16/15	90	145	0
13	Jack	Brown	M	03/31/15	68	163	0
14	Joan	Hernandez	F	07/10/15	83	169	1
15	Jim	Miller	M	10/08/15	83	163	1
16	Gail	Garcia	F	07/31/15	74	157	1
17	Jonathon	Hernadnez	m	08/09/15	.	.	1

You can now run any procedures against that dataset via the code window.



Code template

```
libname mydata '/home/stefaniegreay';

data mydata.class;
set work.import;
run;

proc contents data=mydata.class;
run;

proc freq data=mydata.class;
tables <enter qualitative/categorical variables here>;
run;
```