ANLT5010 – Week 5 Assignment 1 Tutorial
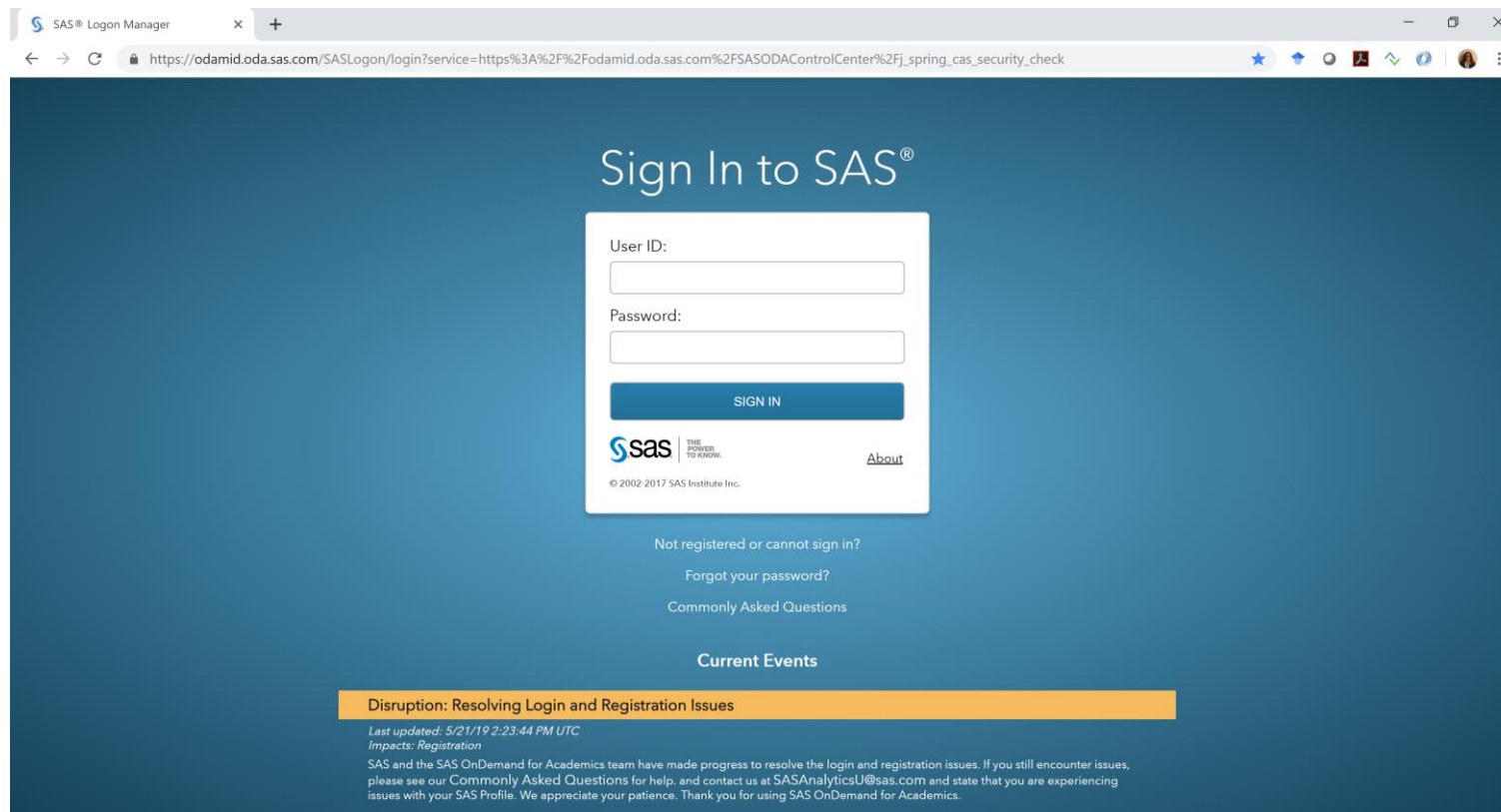
SAS Studio

Dataset

- Download the cf_ANLT5010_W5_Sales_Data.csv file from the Week 5 Welcome announcement in the course announcements or the Week 5 assignment area.

Access the SAS OnDemand for Academics Control Center

https://odamid.oda.sas.com/SASODAControlCenter

SAS OnDemand for Academics (SODA) Control Center

SAS Studio

https://odamid.oda.sas.com/SASStudio/

Click on Files(Home)
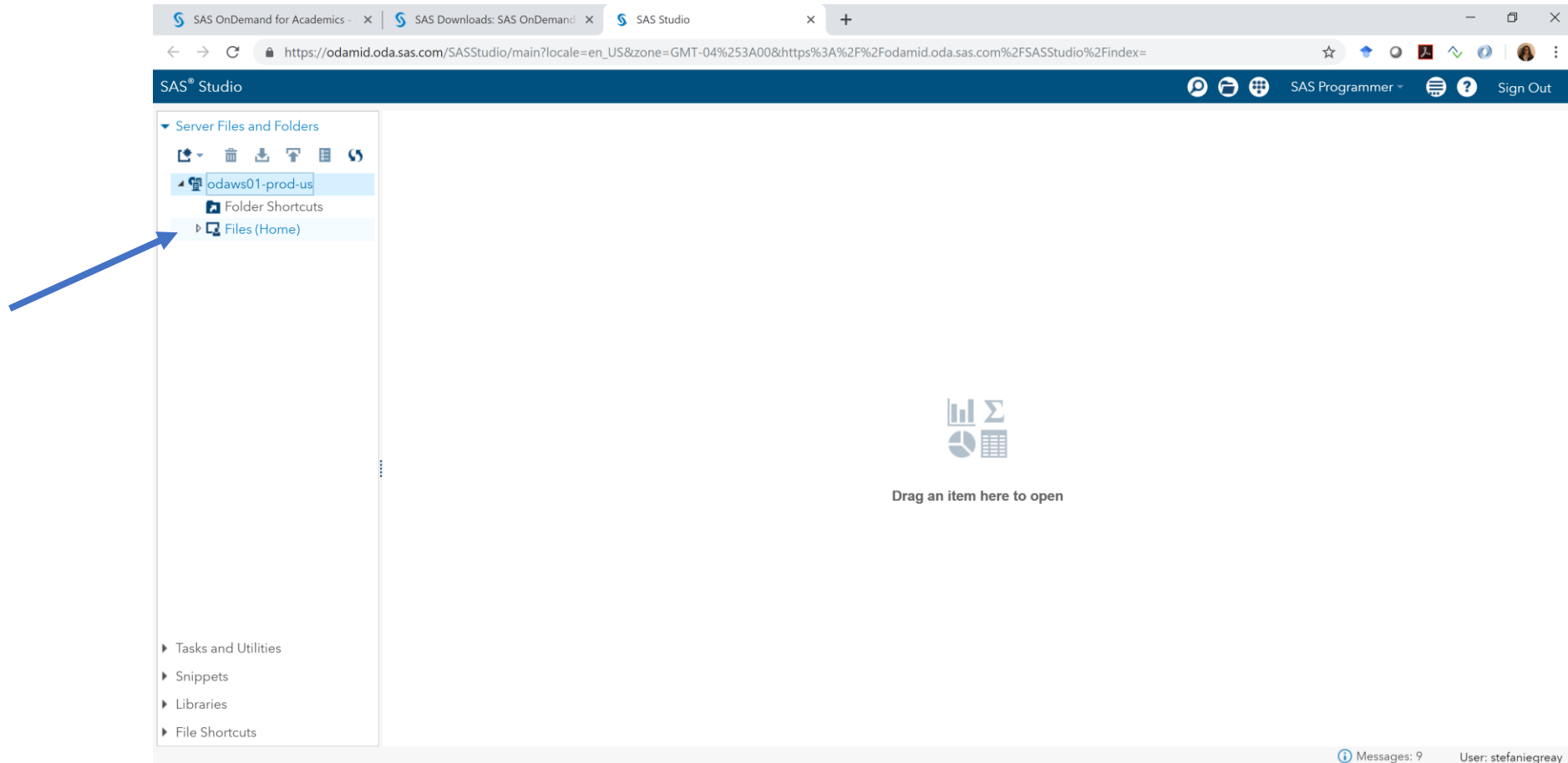
The Upload button will display in dark blue

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

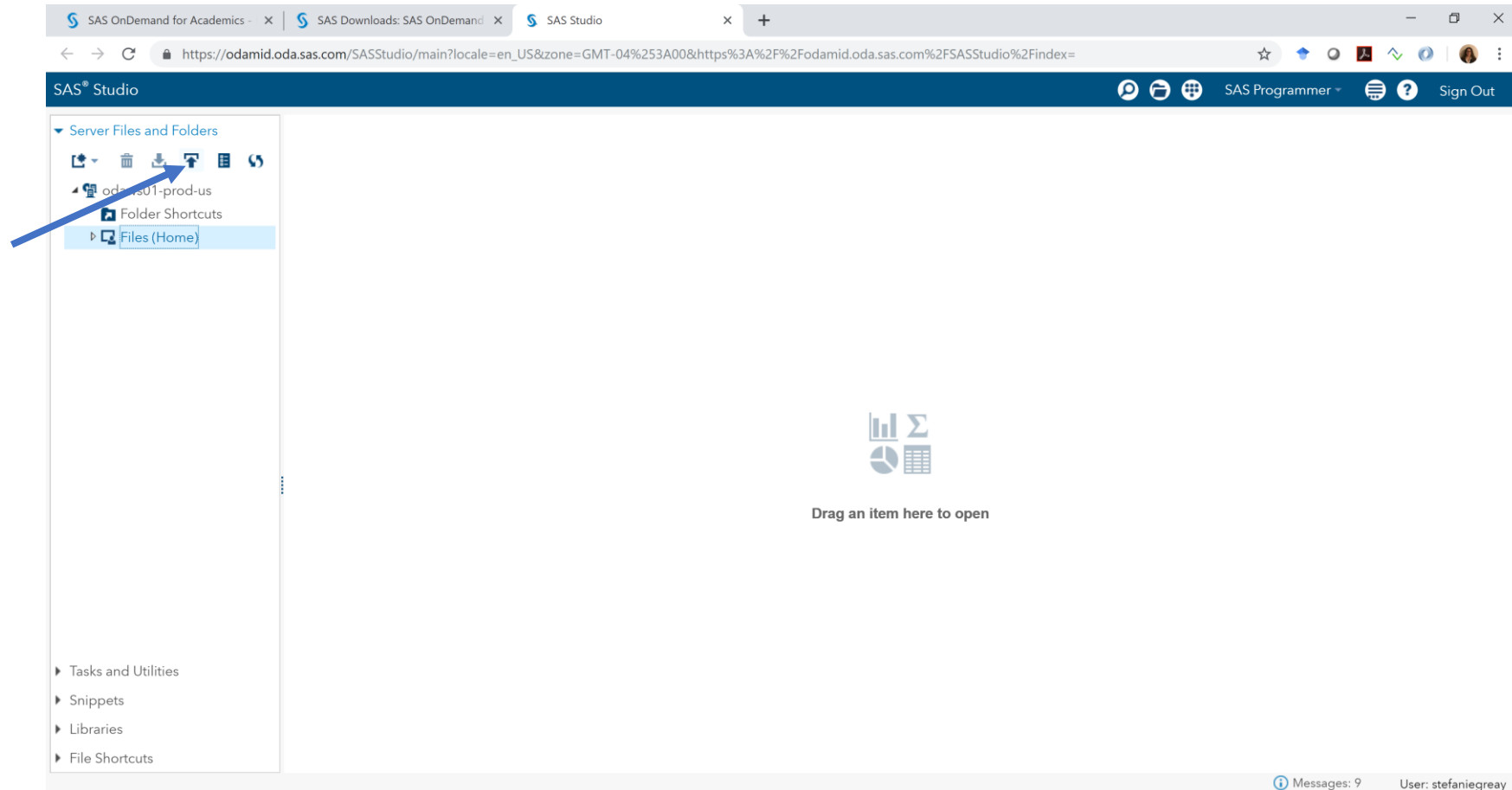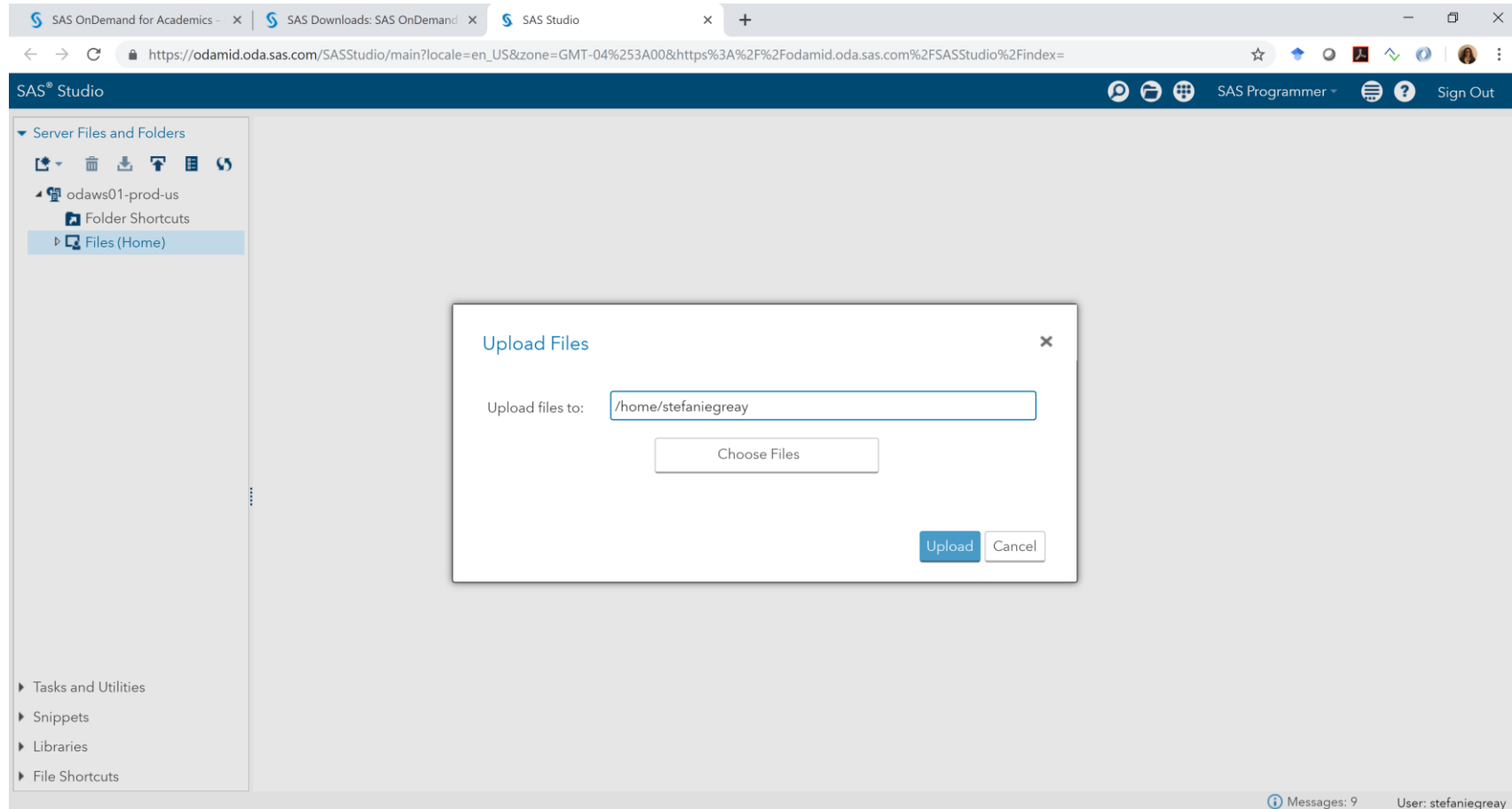Select "Choose Files" to browse your computer for the dataset you want to upload. Once the dataset has been selected, click "Upload."
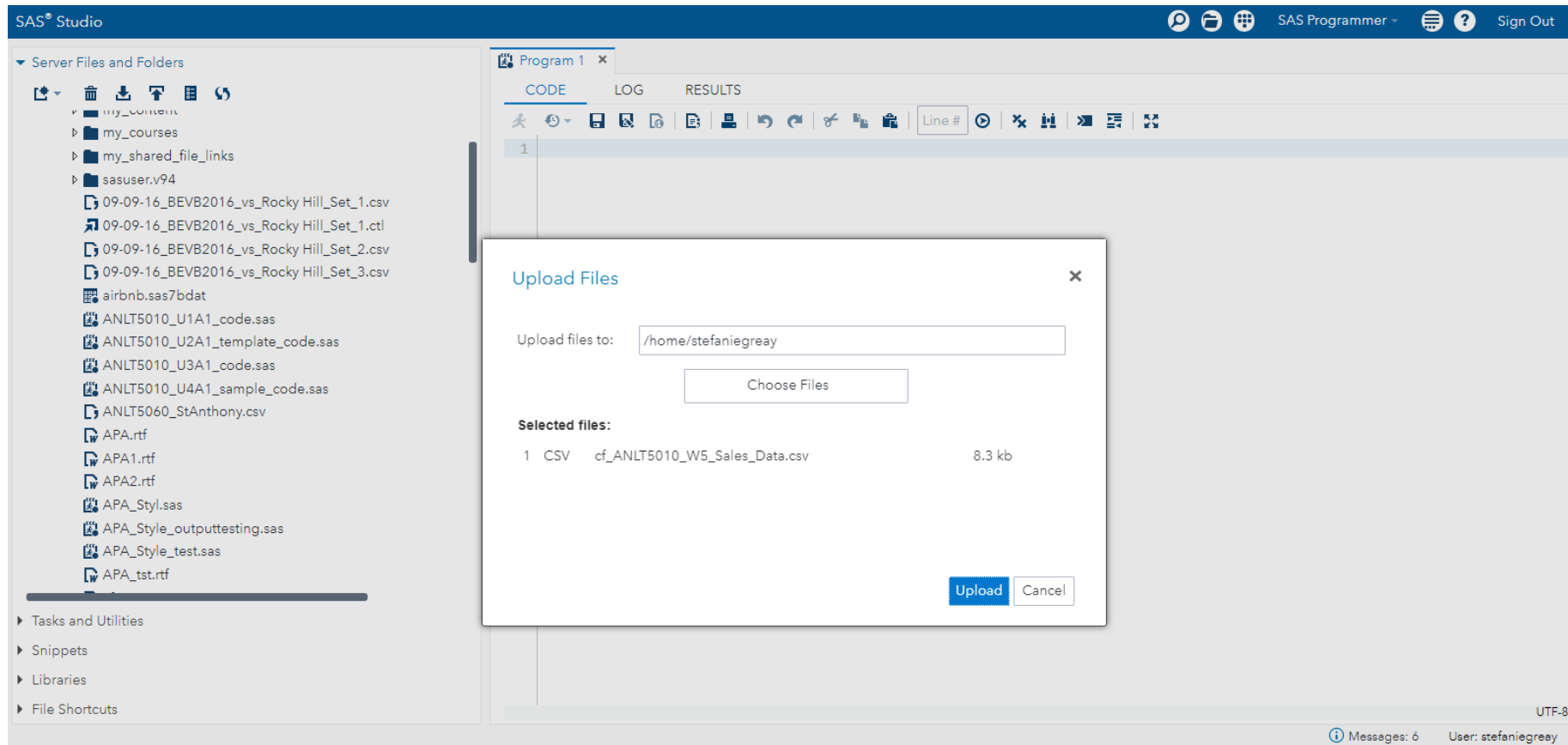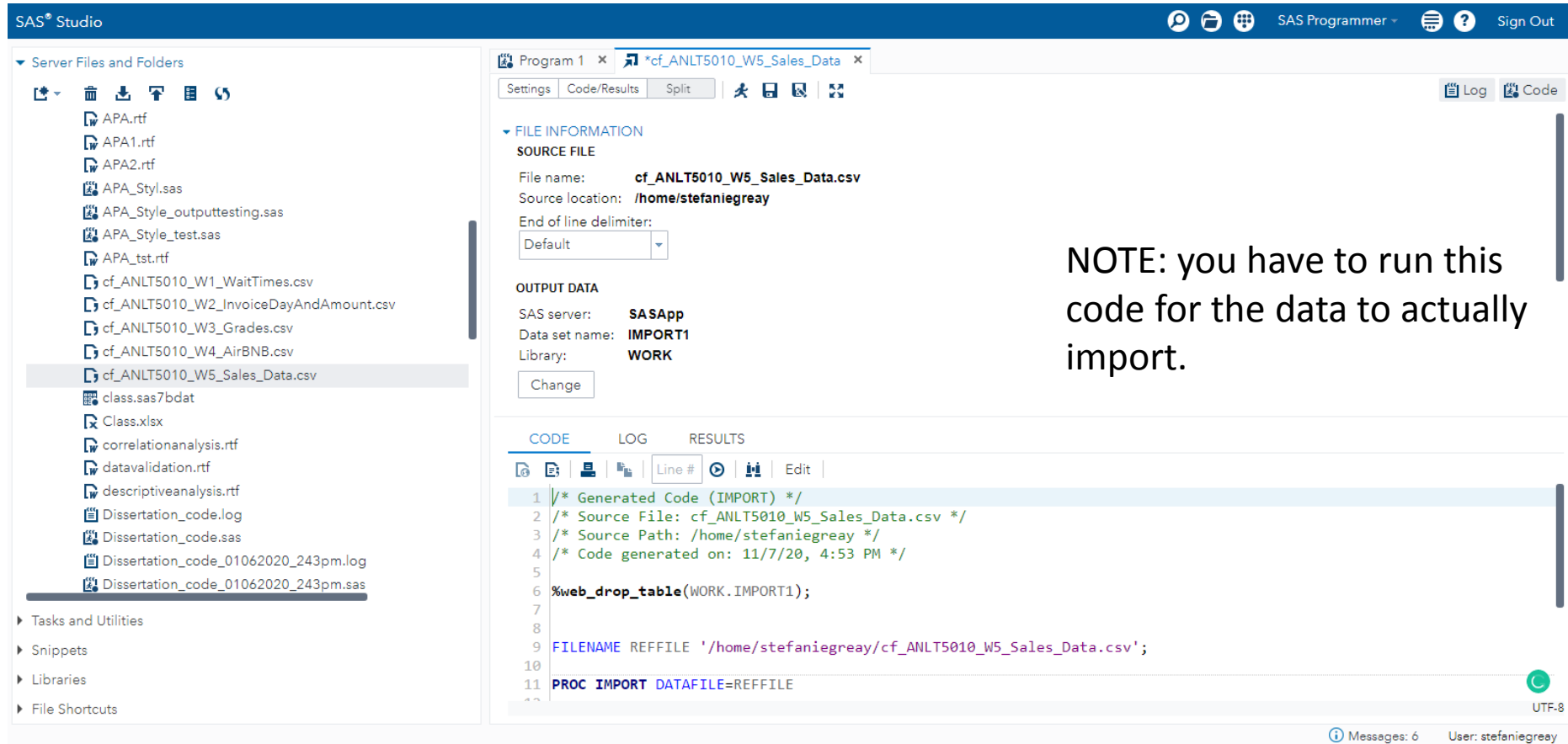
You will be able to view your files by clicking on "Files(Home)" to verify that your file successfully uploaded.
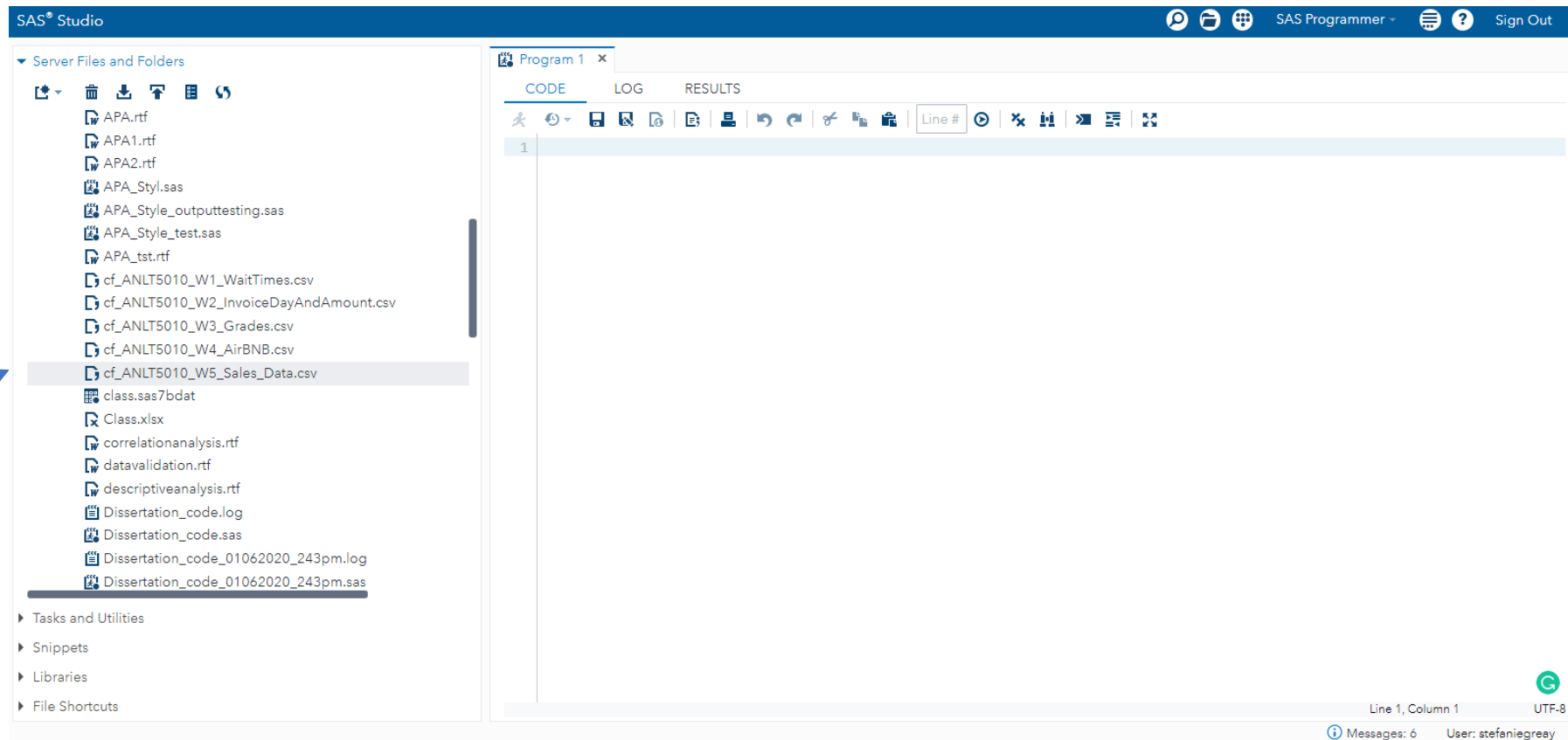
To import the dataset into a SAS dataset format (from the current csv format), right click on the name of the file, and select "Import Data."
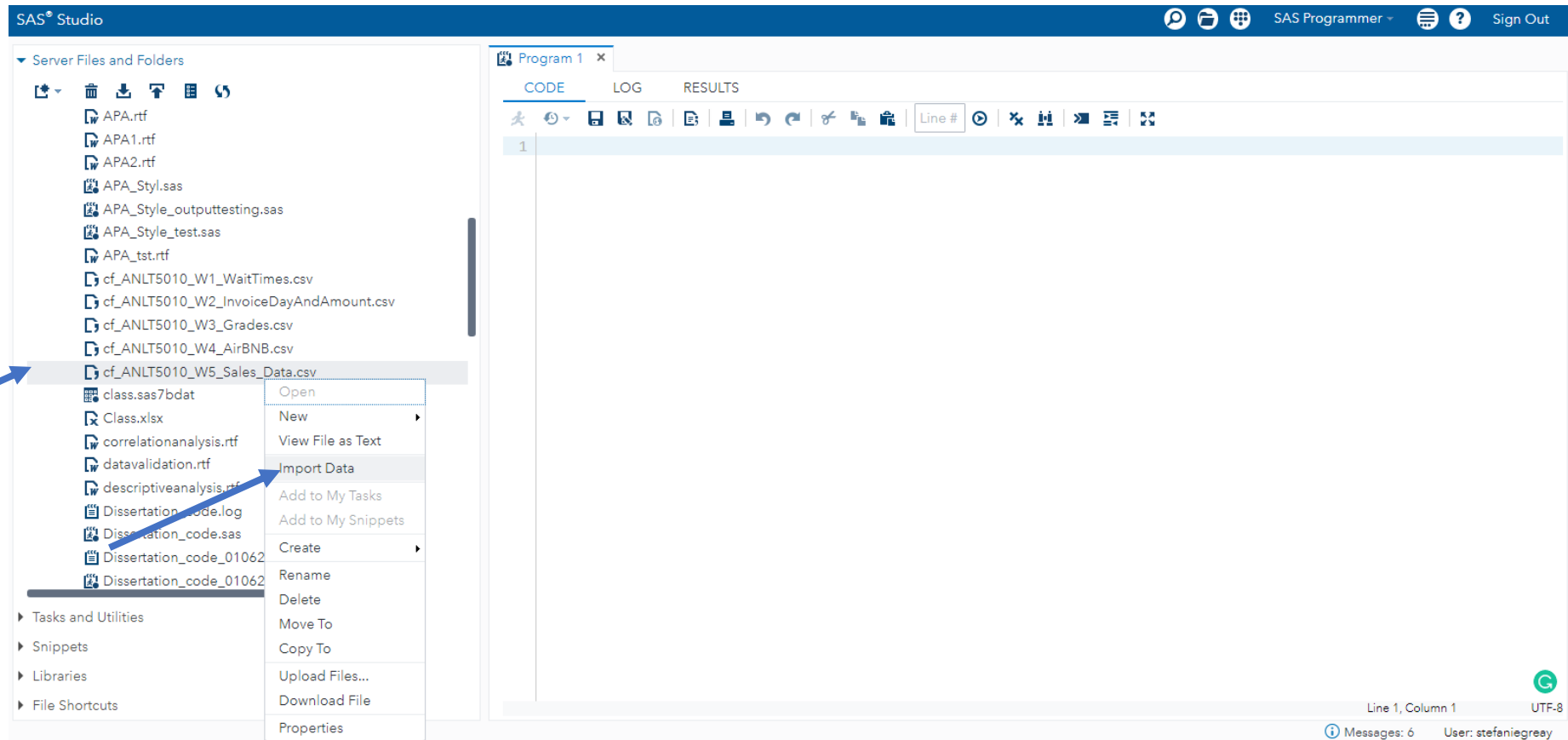
The Proc Import code will be written for you (save this as a template to use for future imports!)

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.

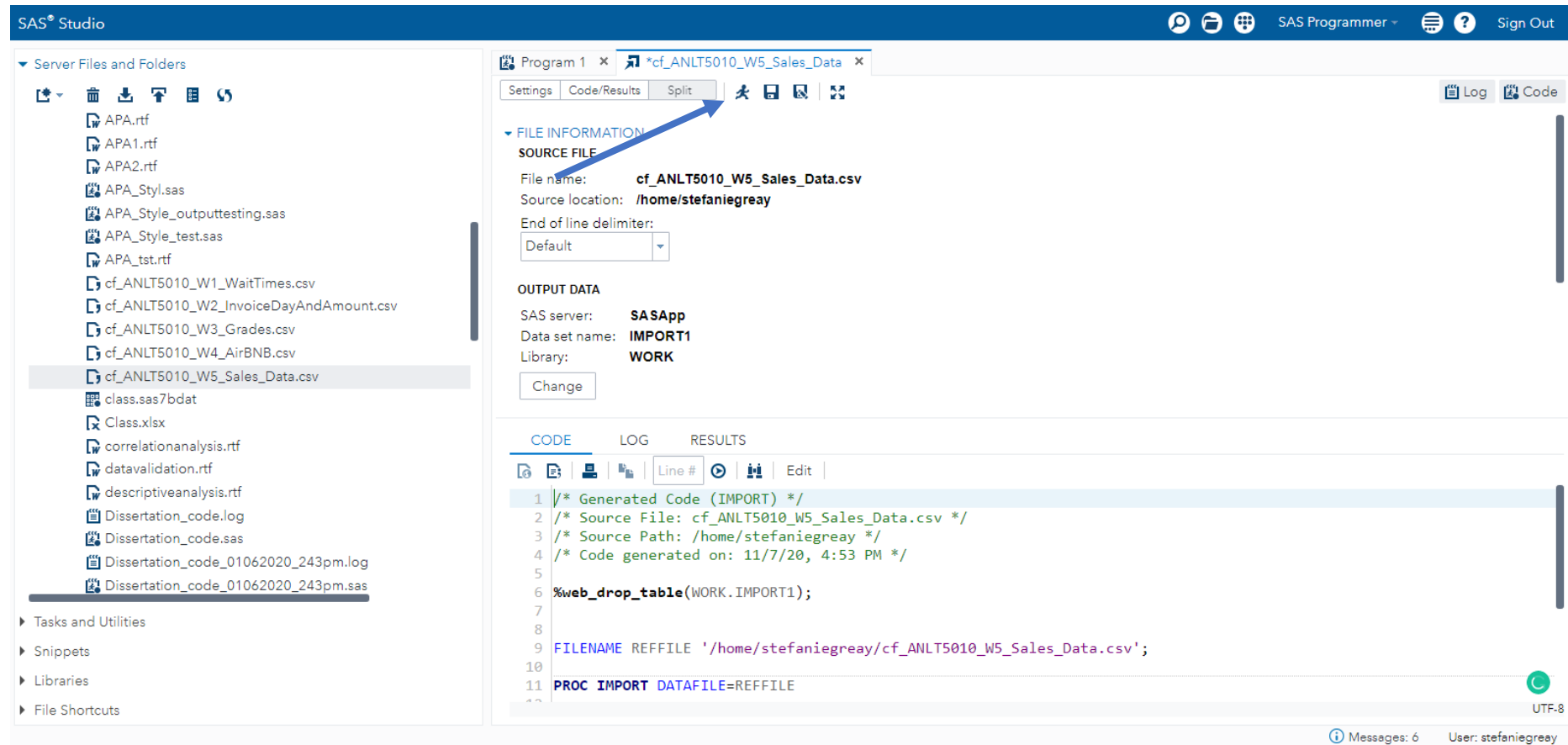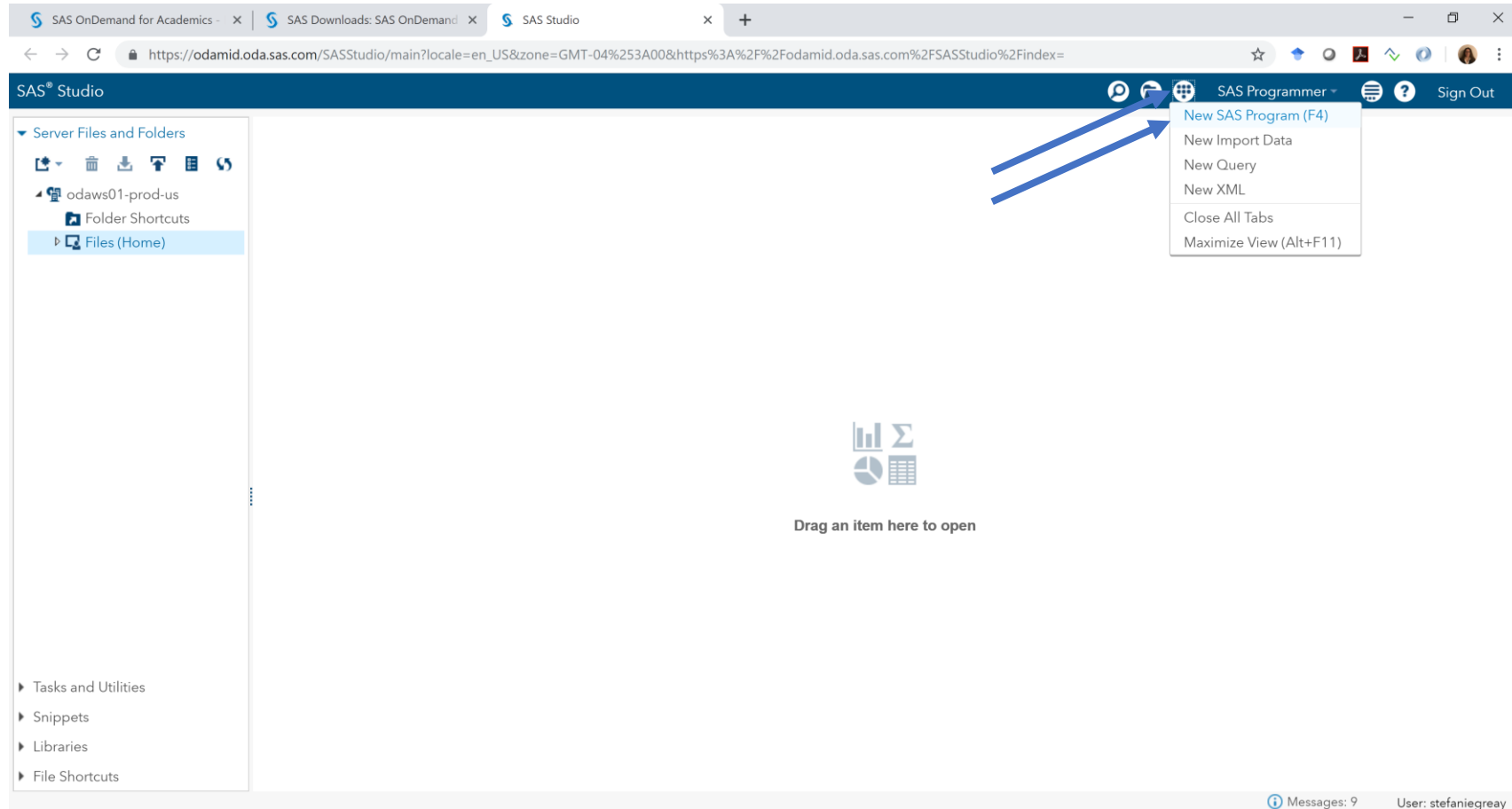# When you run the code, you will see the dataset and summary in the ouput data window and can verify its success.
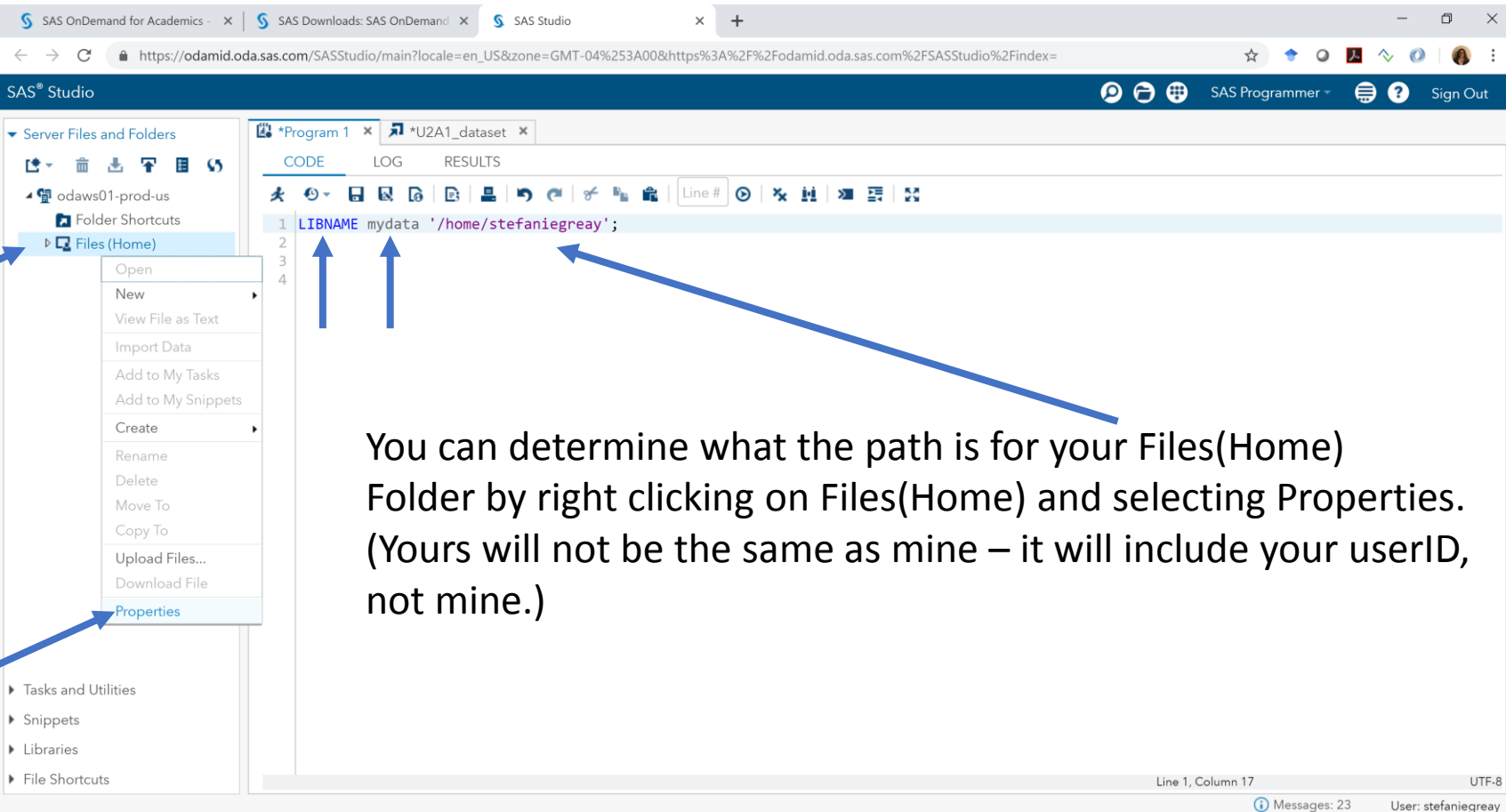
To get started with the SAS portion of the Week 4 Assignment 1 assignment, start a new SAS program.

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.)

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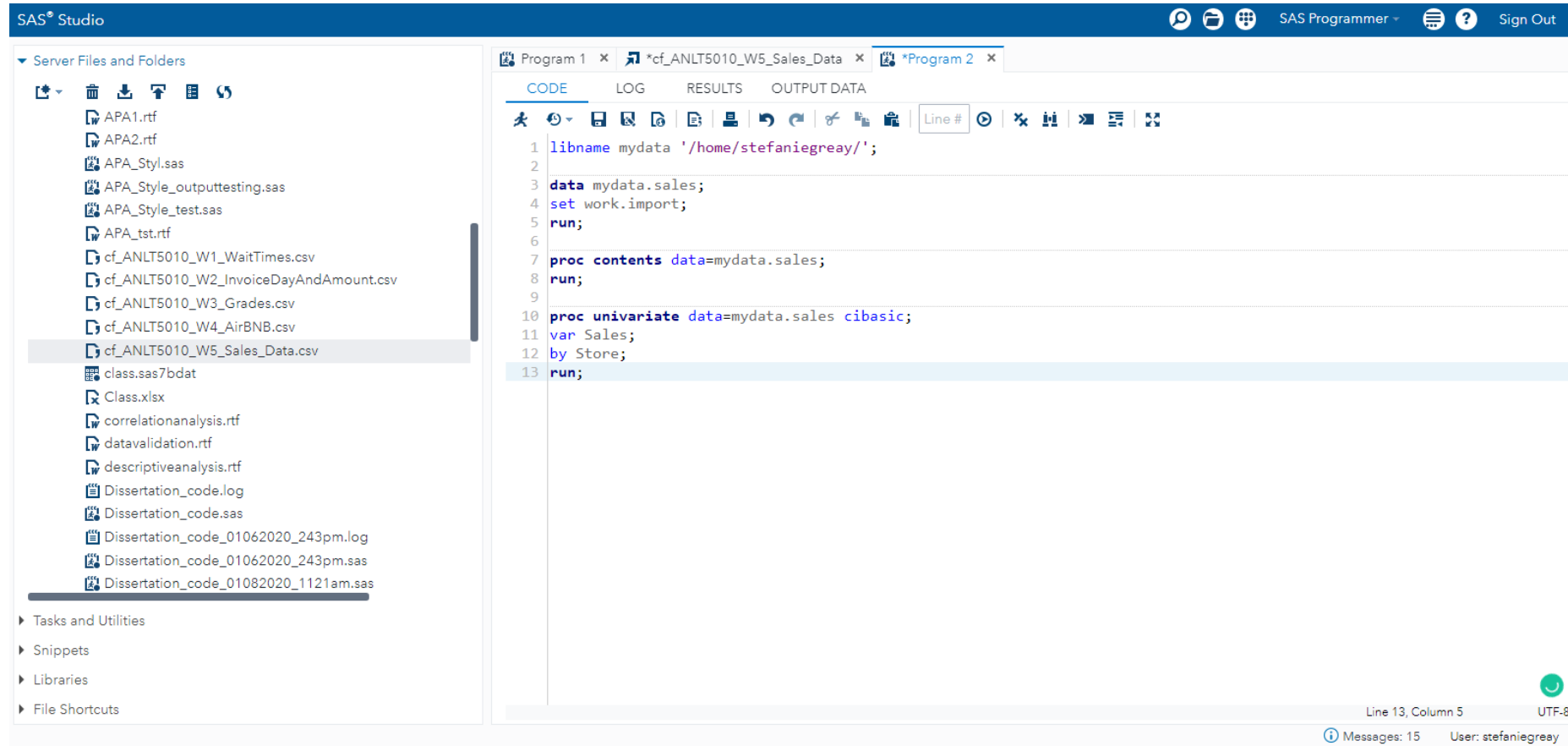
Save the temporary SAS dataset created by the import to your library using the following sample code.

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

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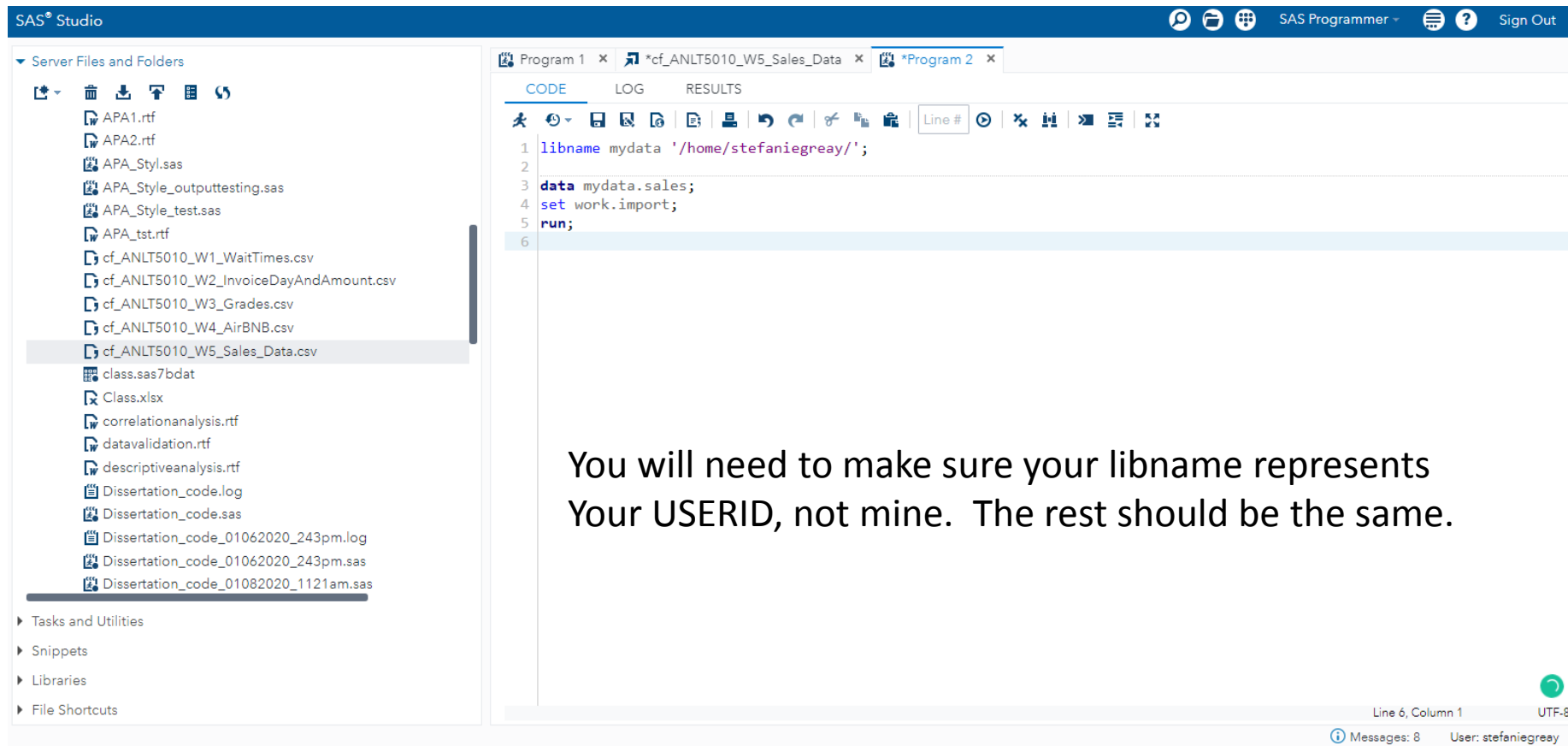
Use a Proc Contents statement to look at the contents of the dataset
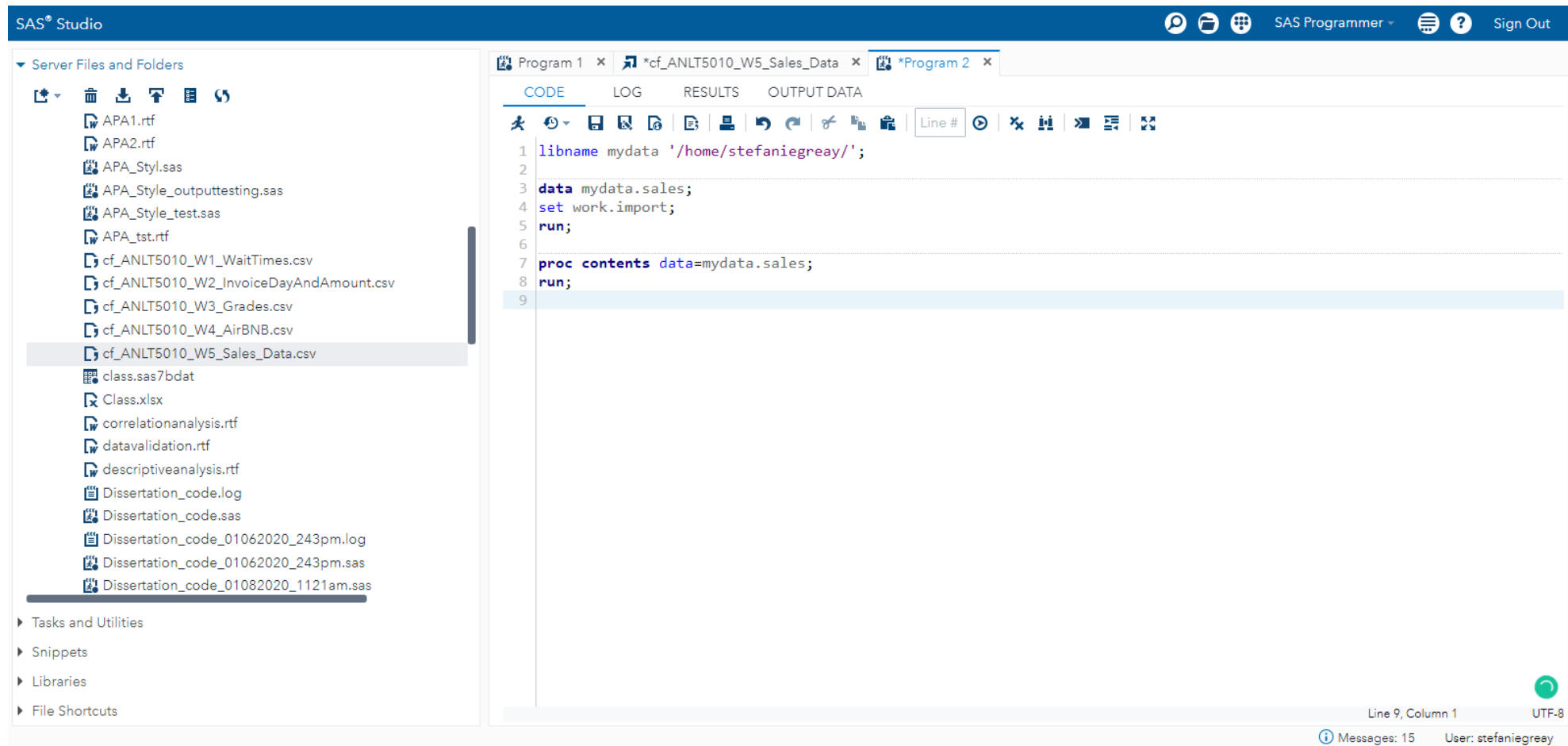
Use a Proc Univariate to summarize the quantitative variable(s) in the dataset and calculate the 95% confidence intervals.
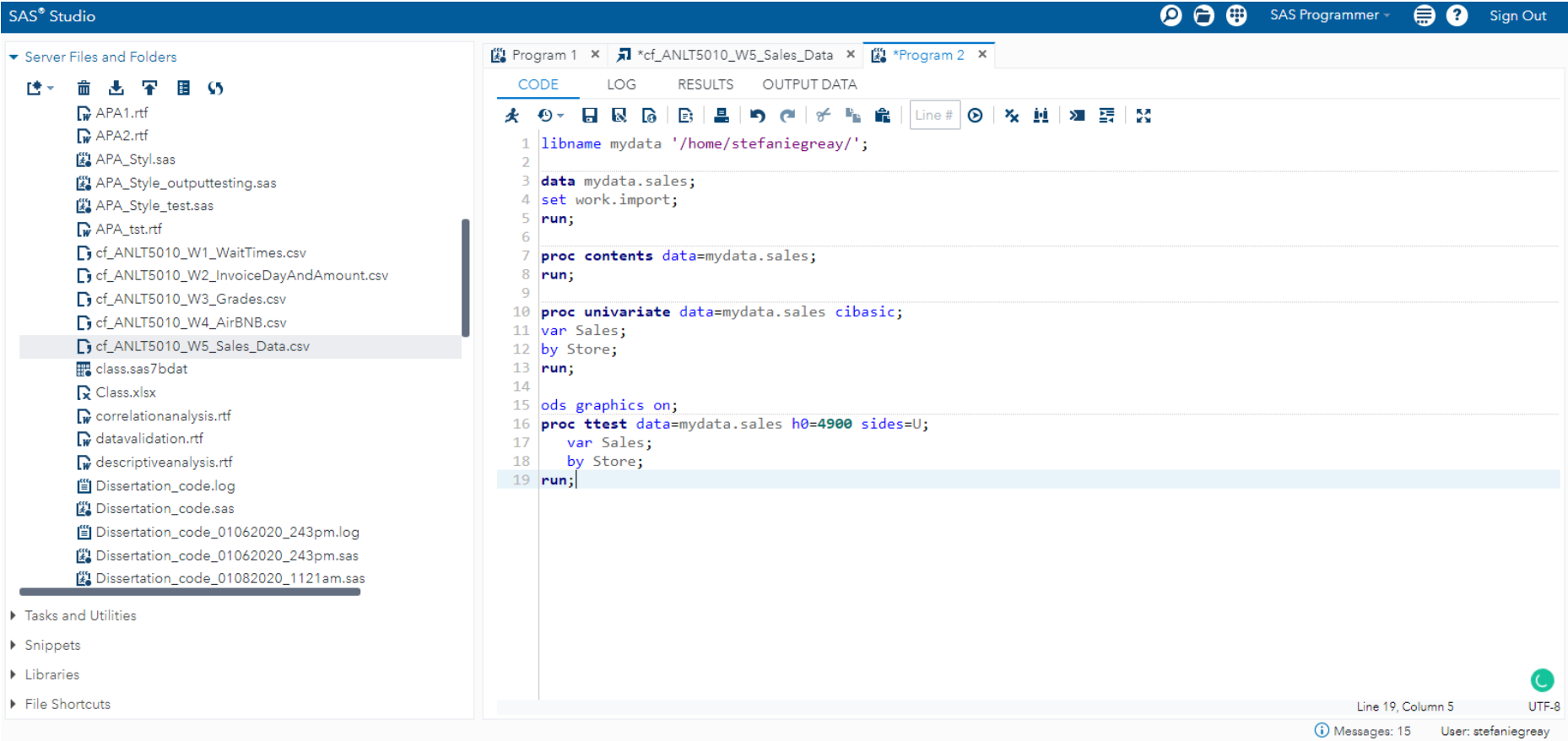
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Run a proc ttest to conduct the two hypothesis tests for break even for each store.
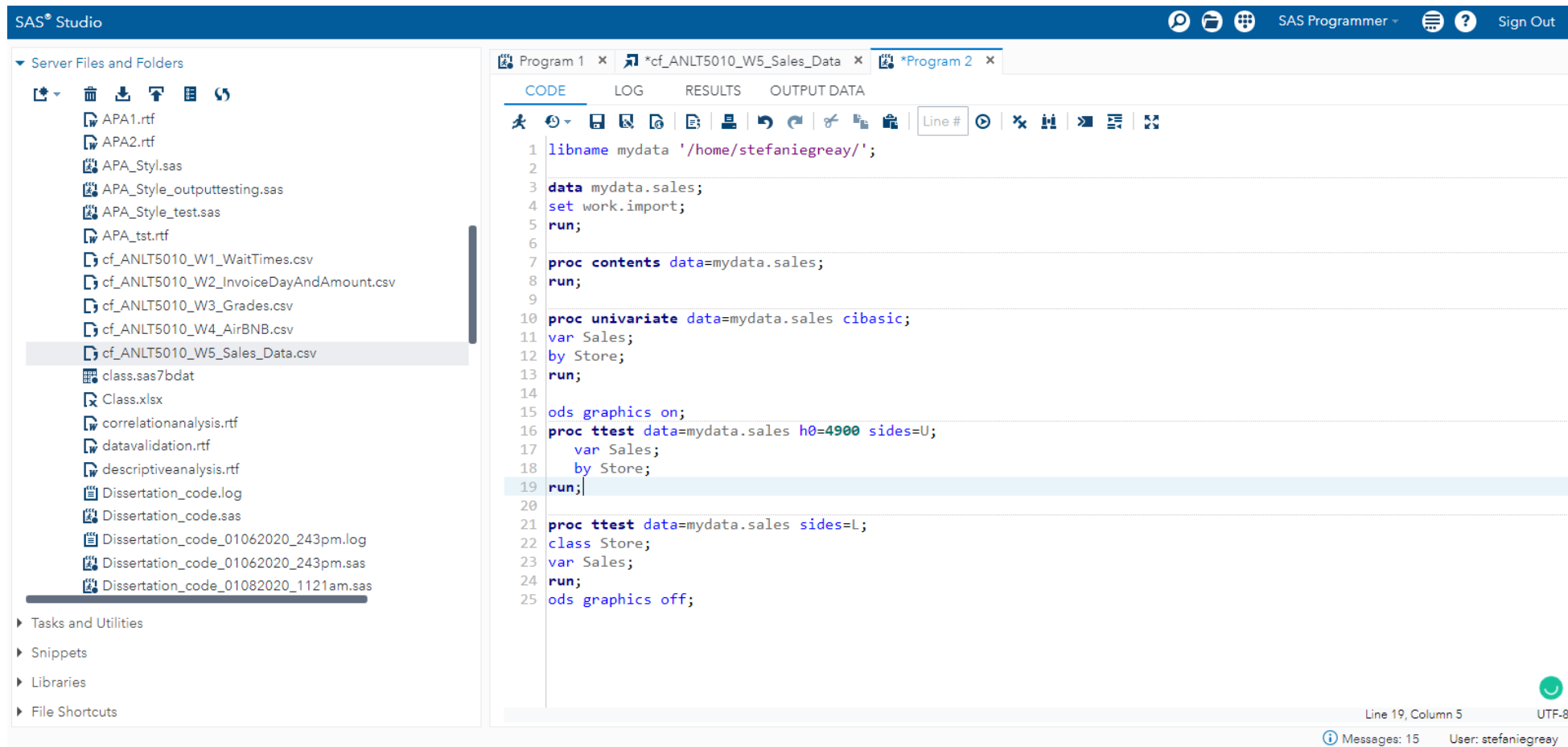
Run another proc ttest to conduct the hypothesis test comparing the two stores.

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

Full code (basic)

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


data mydata.sales;

set work.import;

run;

proc contents data=mydata.sales;

run;

proc univariate data=mydata.sales cibasic;

var Sales;

by Store;

run;

ods graphics on;

proc ttest data=mydata.sales h0=4900 sides=U;

   var Sales;

    by Store;

run;

proc ttest data=mydata.sales sides=L;

class Store;

var Sales;

run;

ods graphics off;
```

Additional Resources for Interpreting Output

Proc Univariate Confidence Intervals:
https://documentation.sas.com/?cdcId=pgmsascdc&cdcVersion=9.4_3.5&docsetId=procstat&docsetTarget=procstat_univariate_examples09.htm&locale=en

Proc Ttest for One sample t-test:

https://documentation.sas.com/?cdcId=pgmsascdc&cdcVersion=9.4_3.5&docsetId=statug&docsetTarget=statug_ttest_examples02.htm&locale=en

Proc Ttest for Comparing two means:

https://documentation.sas.com/?cdcId=pgmsascdc&cdcVersion=9.4_3.5&docsetId=statug&docsetTarget=statug_ttest_examples01.htm&locale=en