ANLT5010 – Week 8 Assignment 1 Tutorial

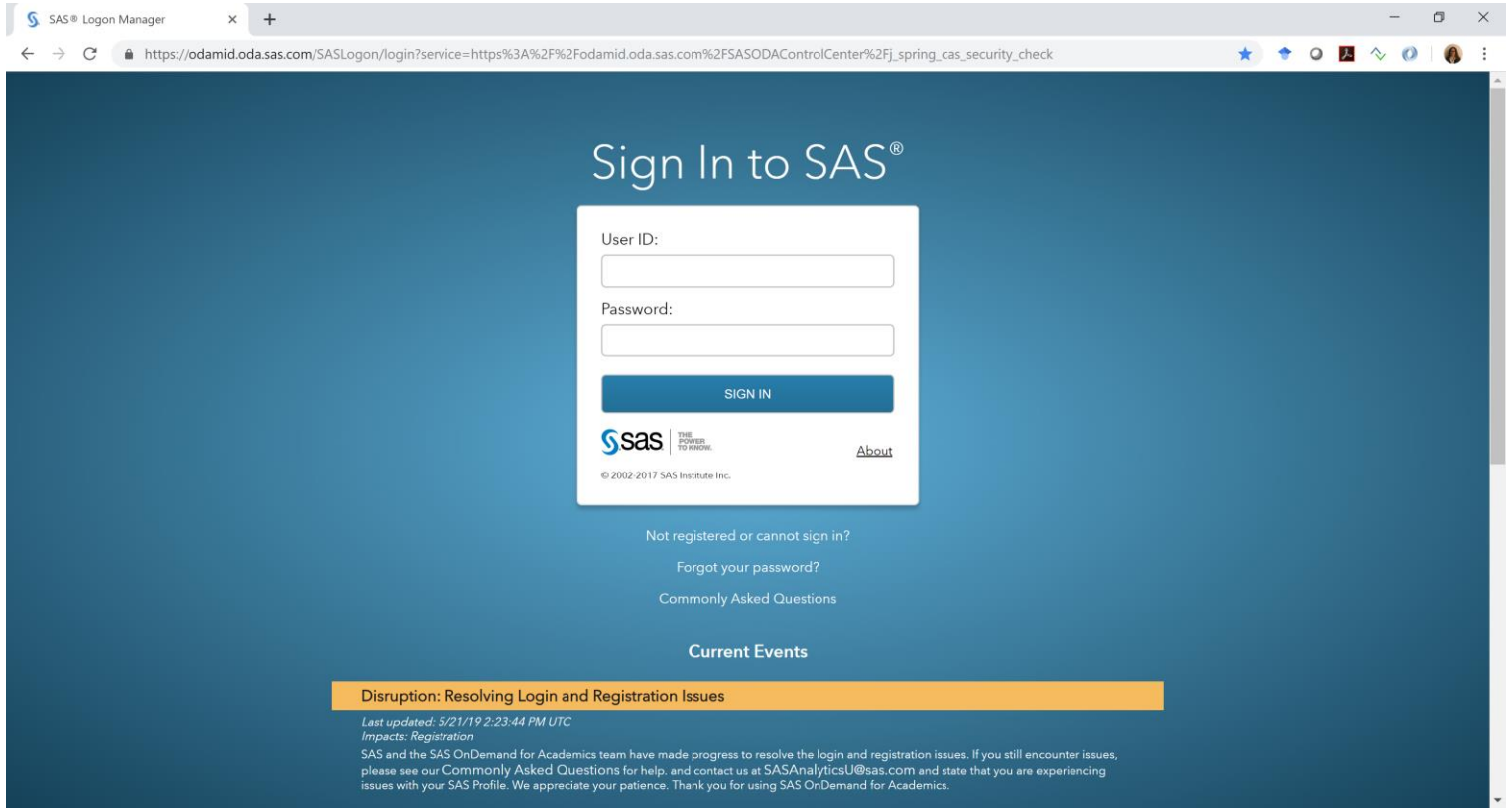
SAS Studio

Dataset

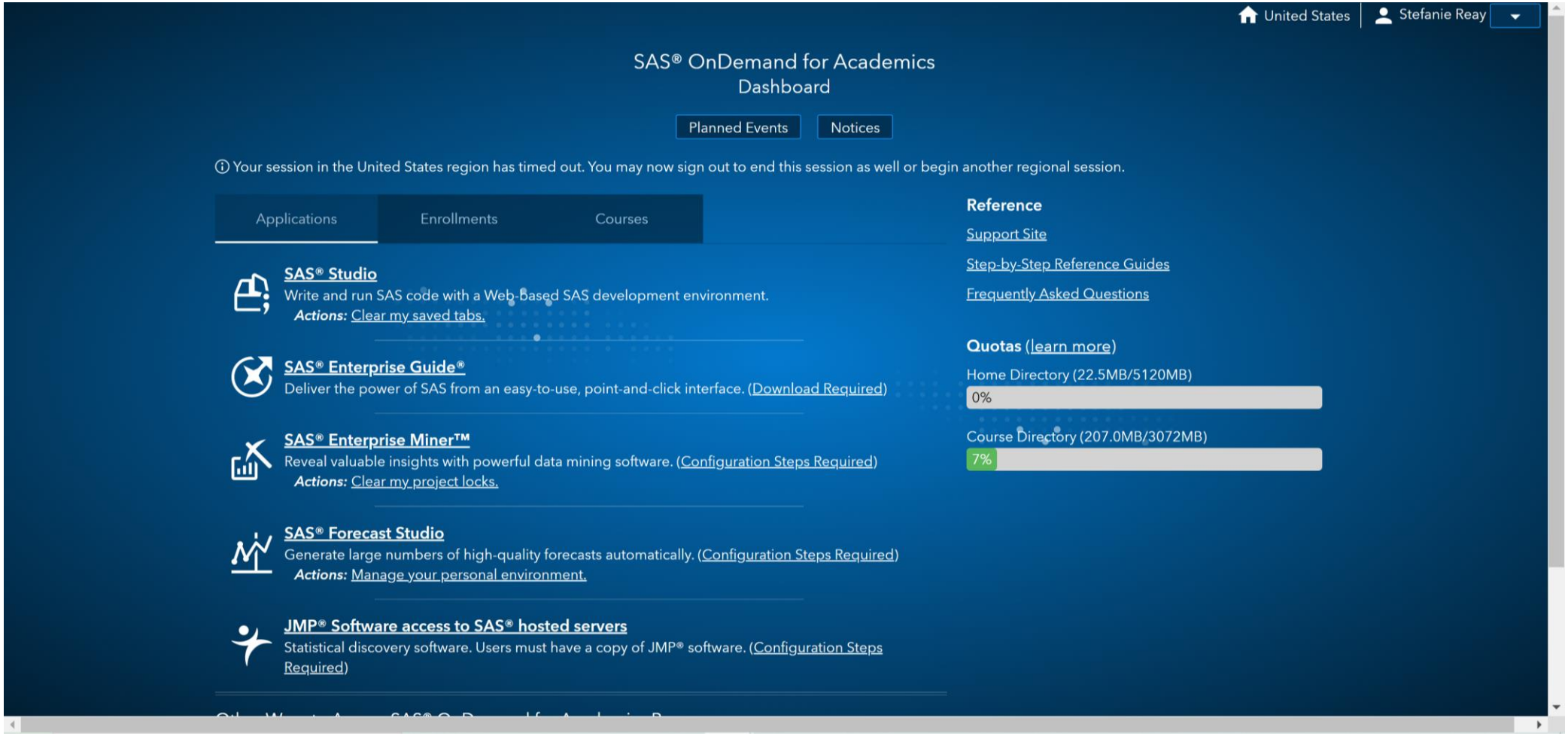
- Download the cf_ANLT5010_W8_ Height_Shoe_Size.txt.TXT file from the Week 8 Welcome announcement in the course announcements or the Week 8 assignment area.

Access the SAS OnDemand for Academics Control Center

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

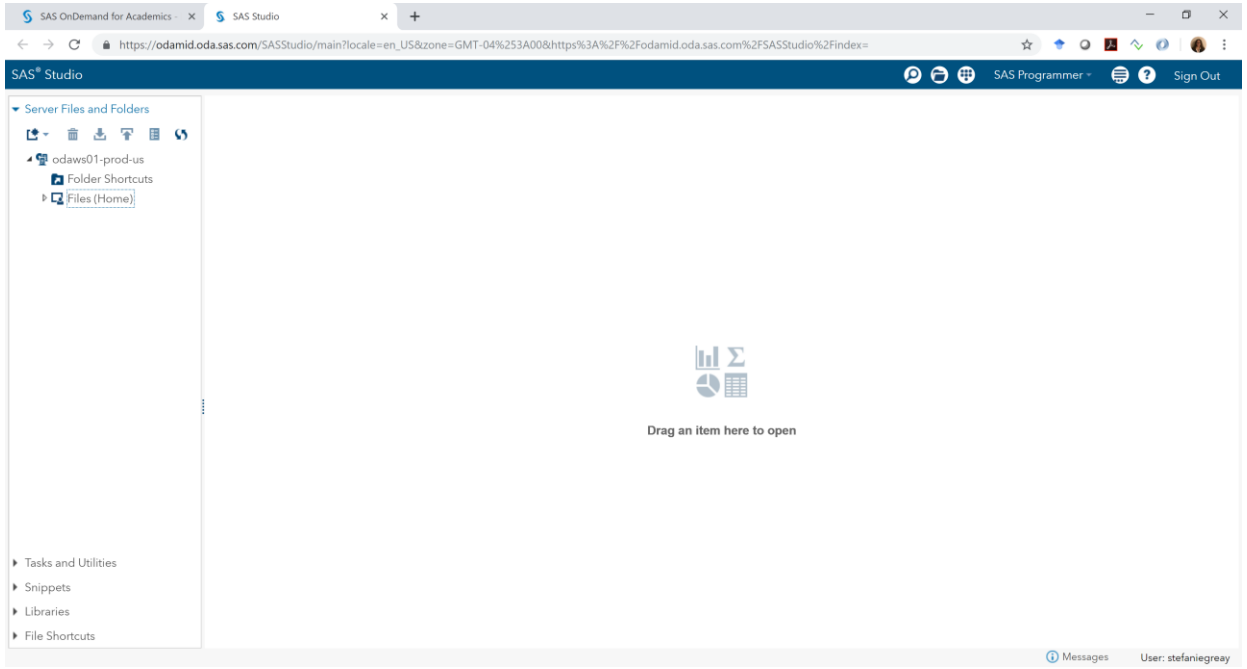


SAS OnDemand for Academics (SODA) Control Center

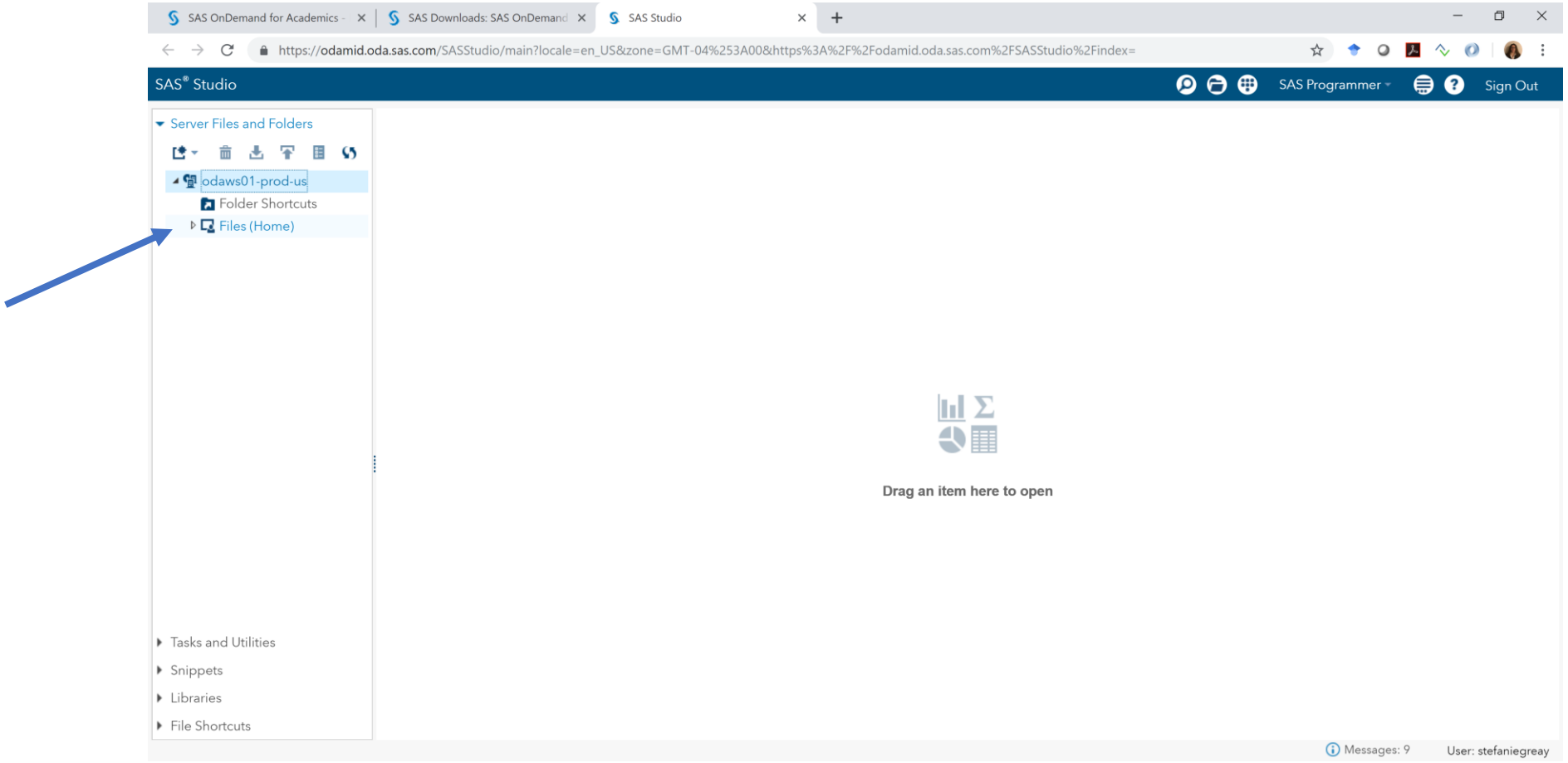


SAS Studio

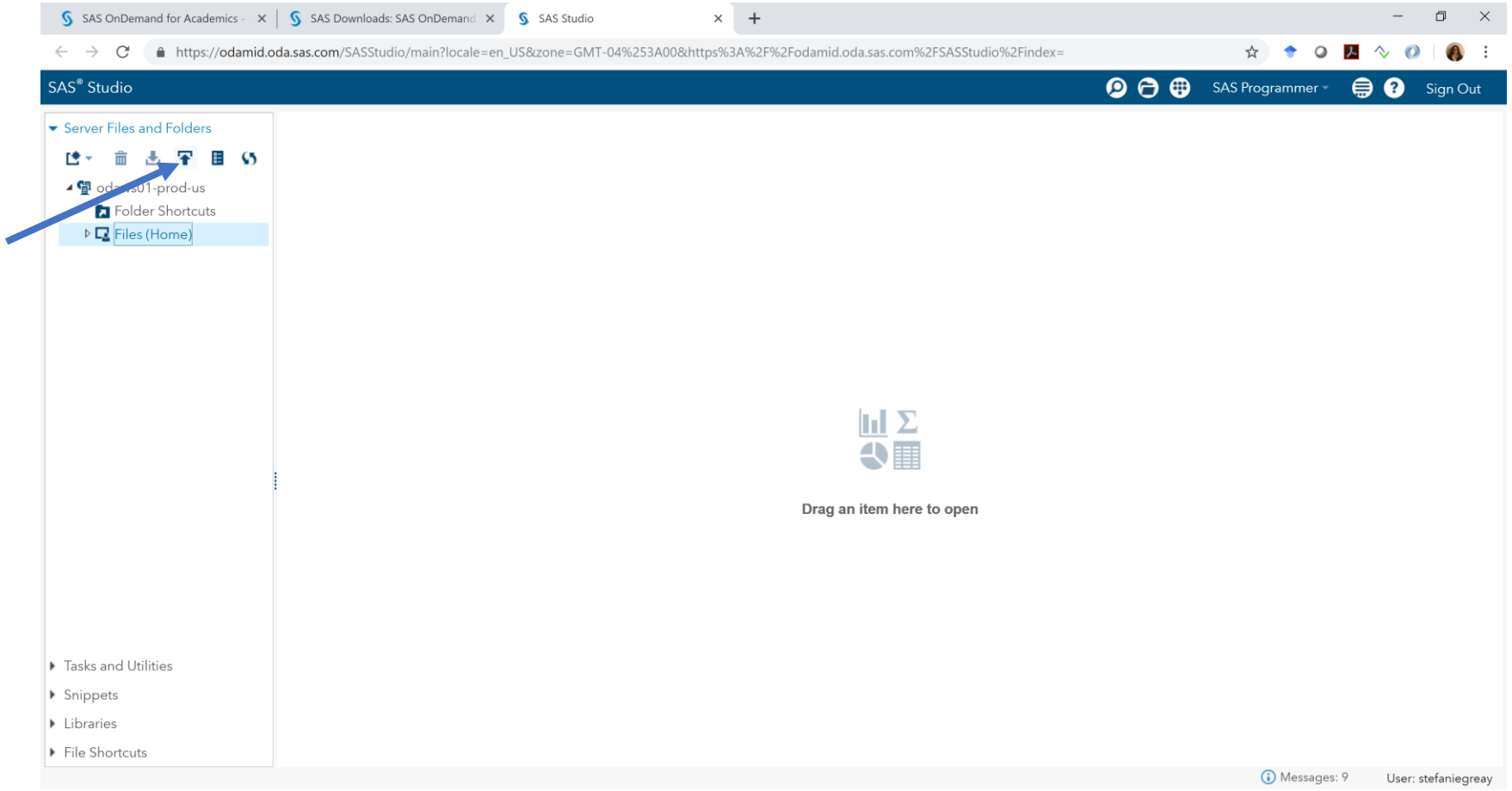
https://odamid.oda.sas.com/SASStudio/



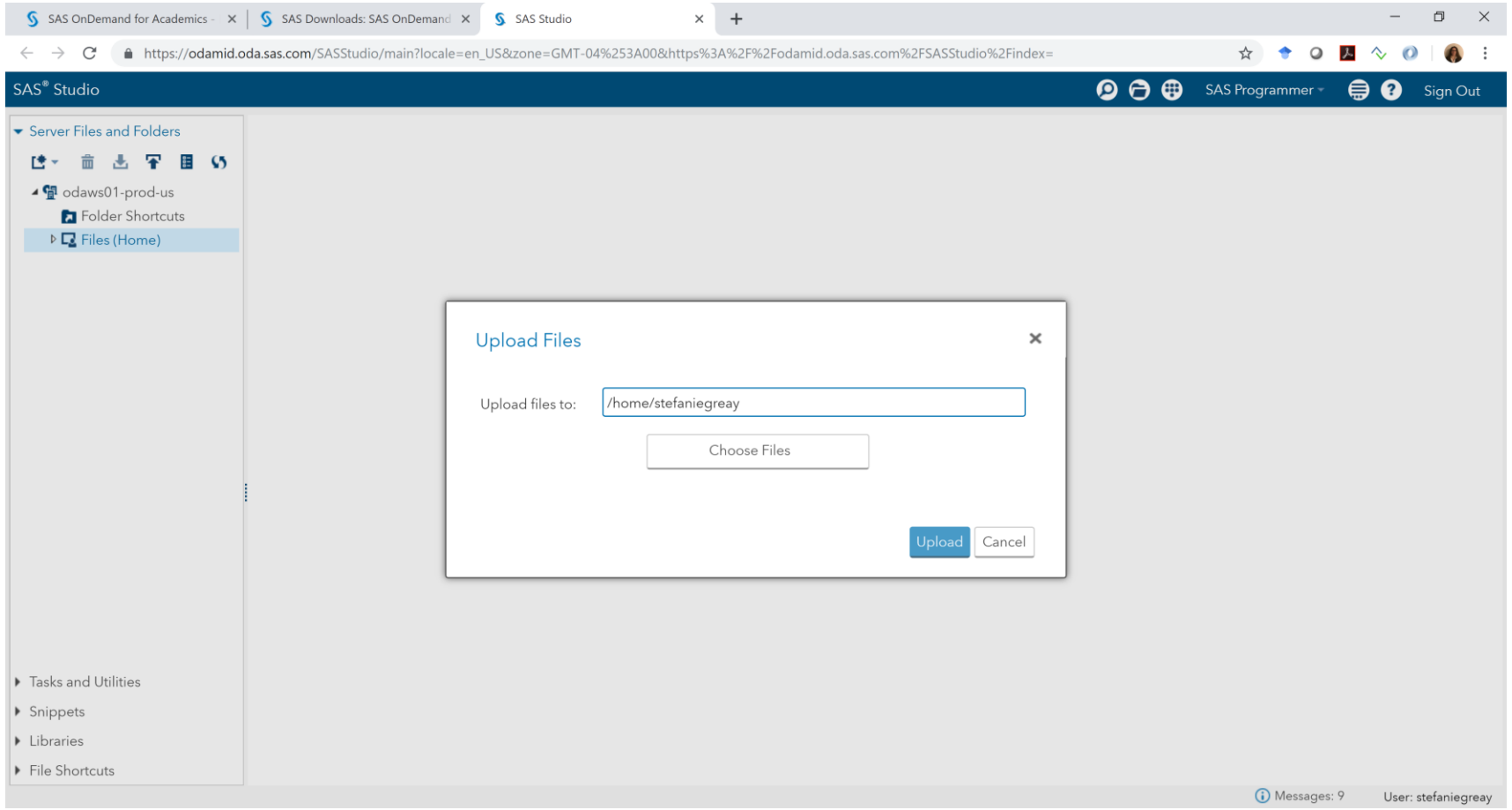
Click on Files(Home)



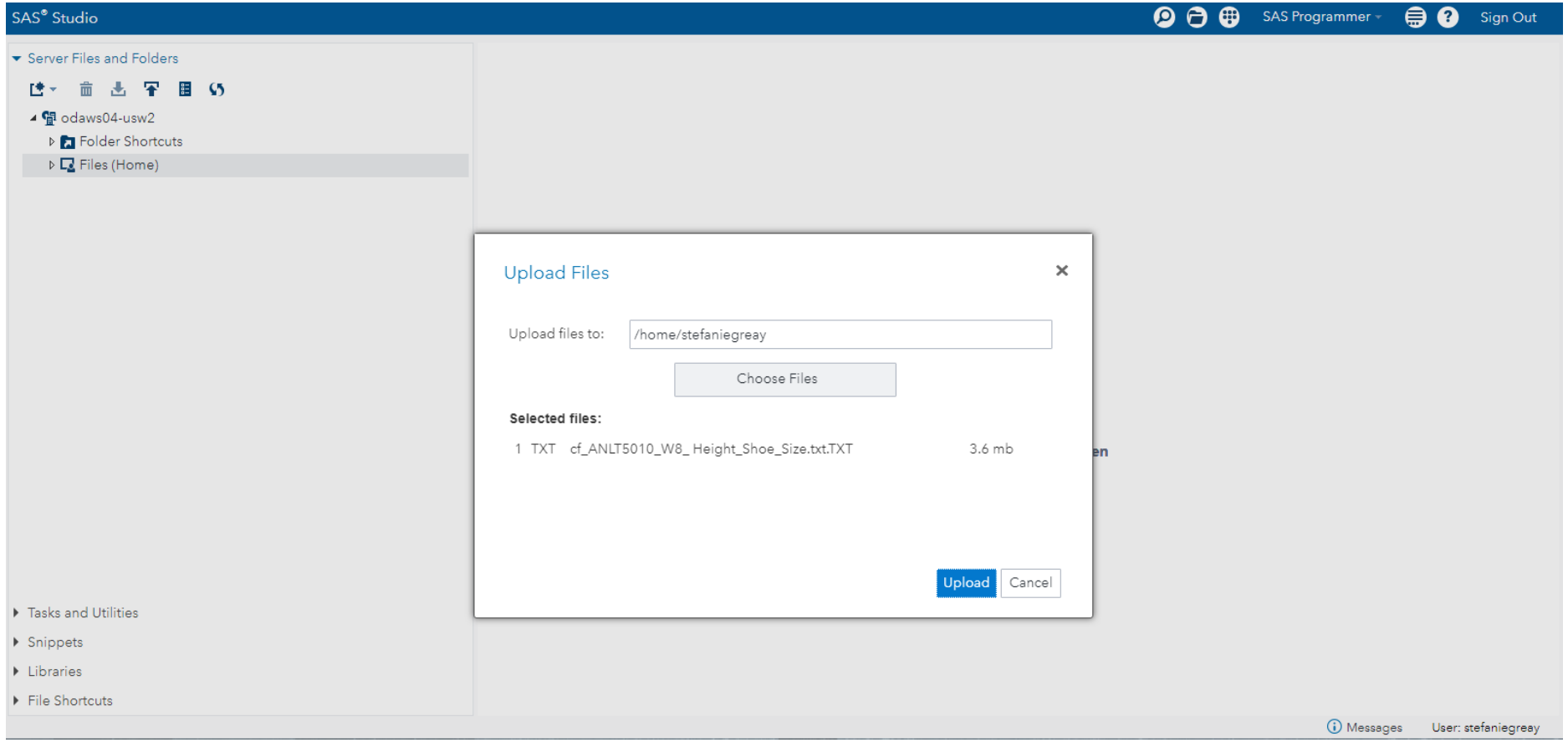
The Upload button will display in dark blue



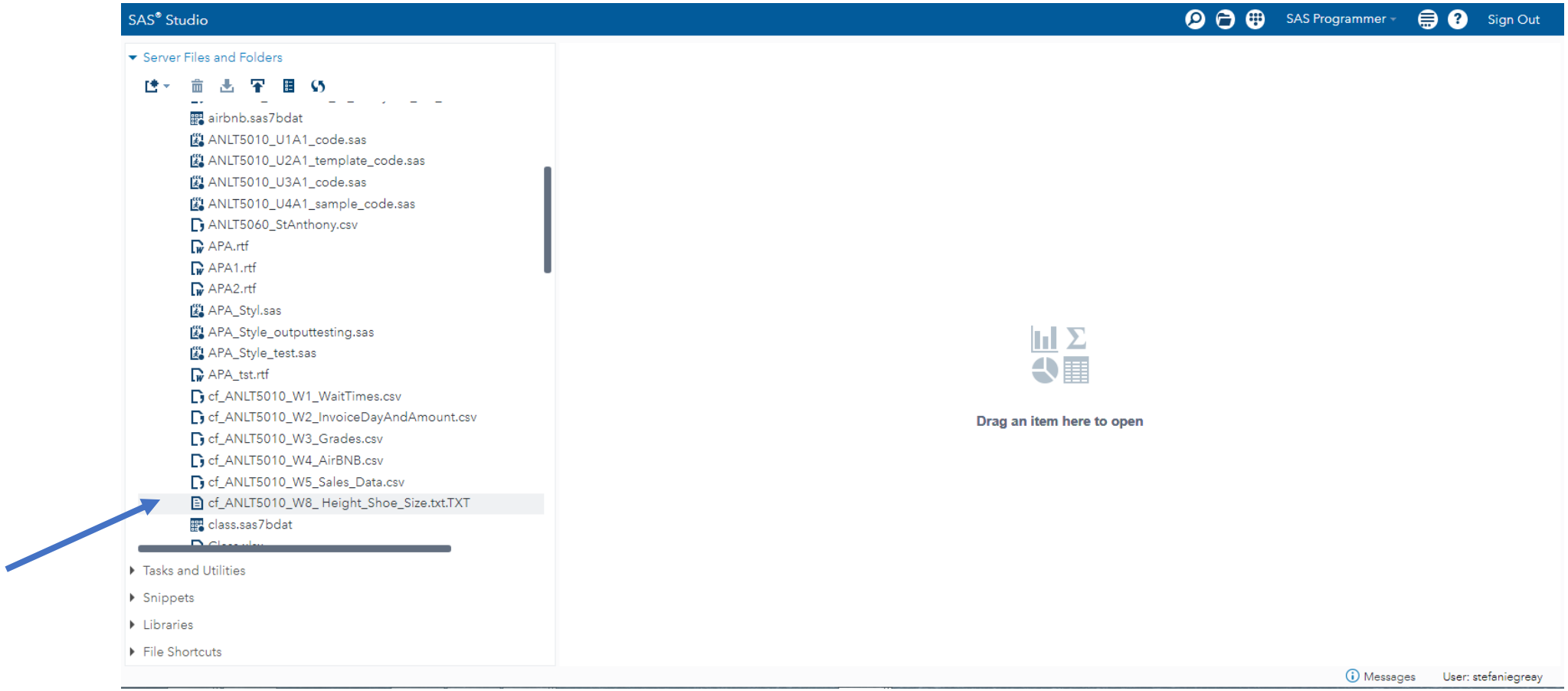
You can create a folder at this point, if you wish, or simply upload to your home directory.



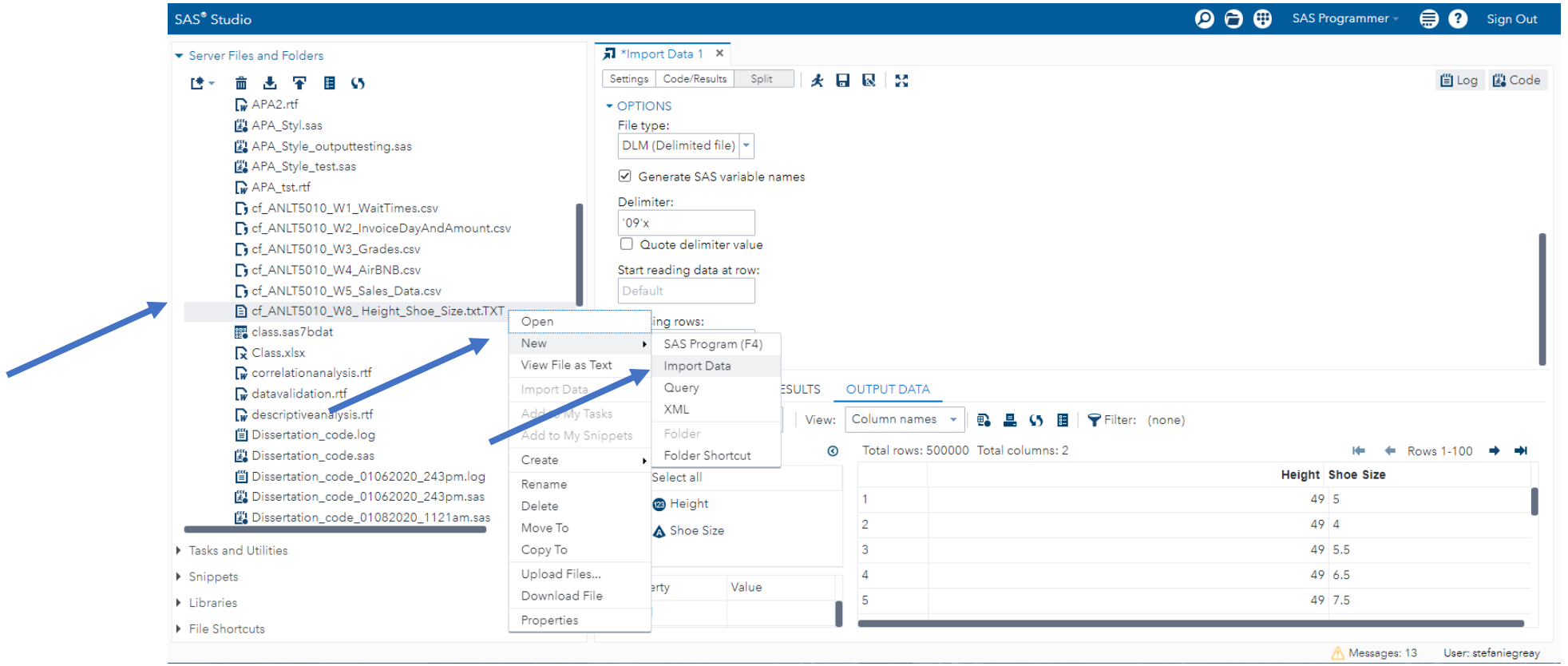
Select “Choose Files” to browse your computer for the dataset you want to upload. Once the dataset has been selected, click “Upload.”



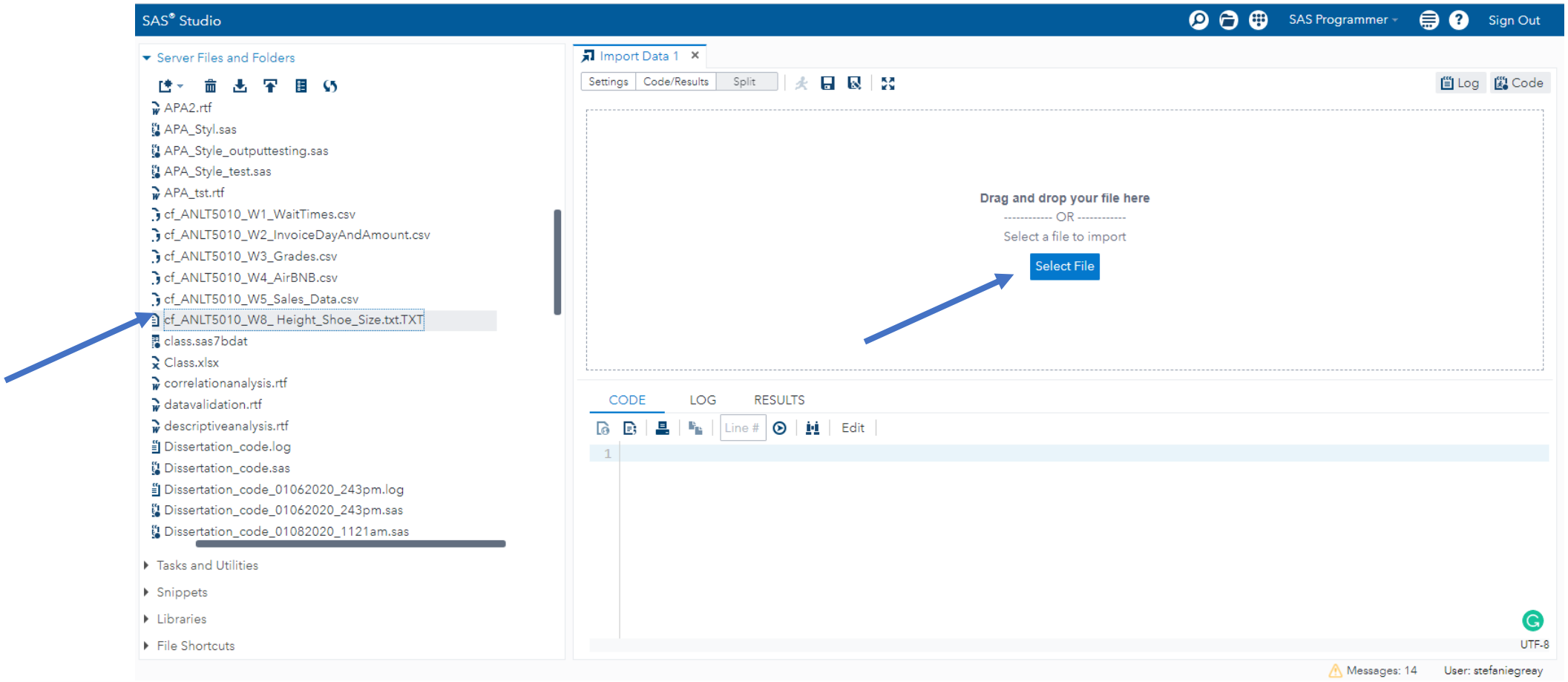
You will be able to view your files by clicking on “Files(Home)” to verify that your file successfully uploaded.



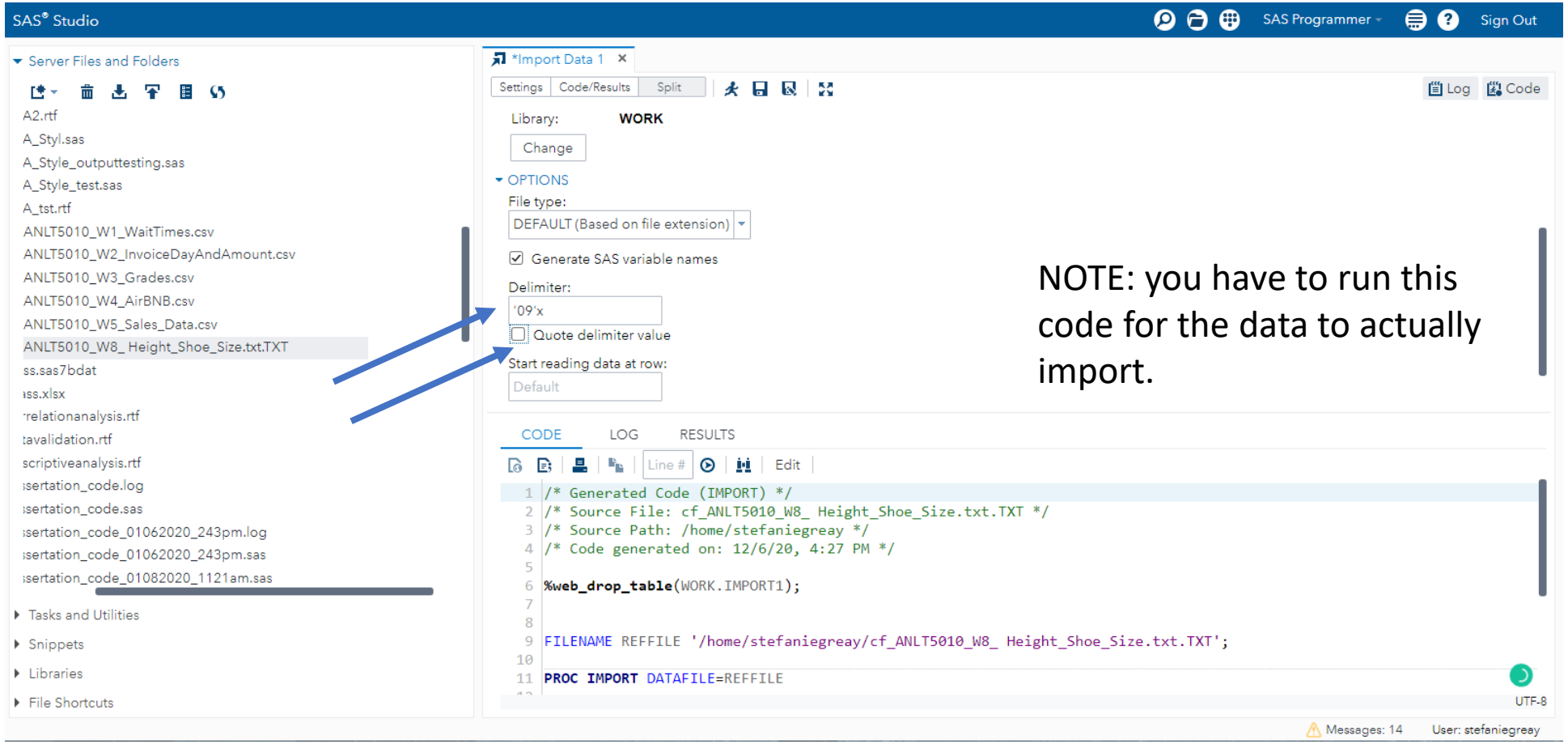
To import the dataset into a SAS dataset format (from the current text (tab-delimited) format), right click on the name of the file, and select “New” and then “Import Data.”



Drag and drop the text file, or browse for the file to select it.

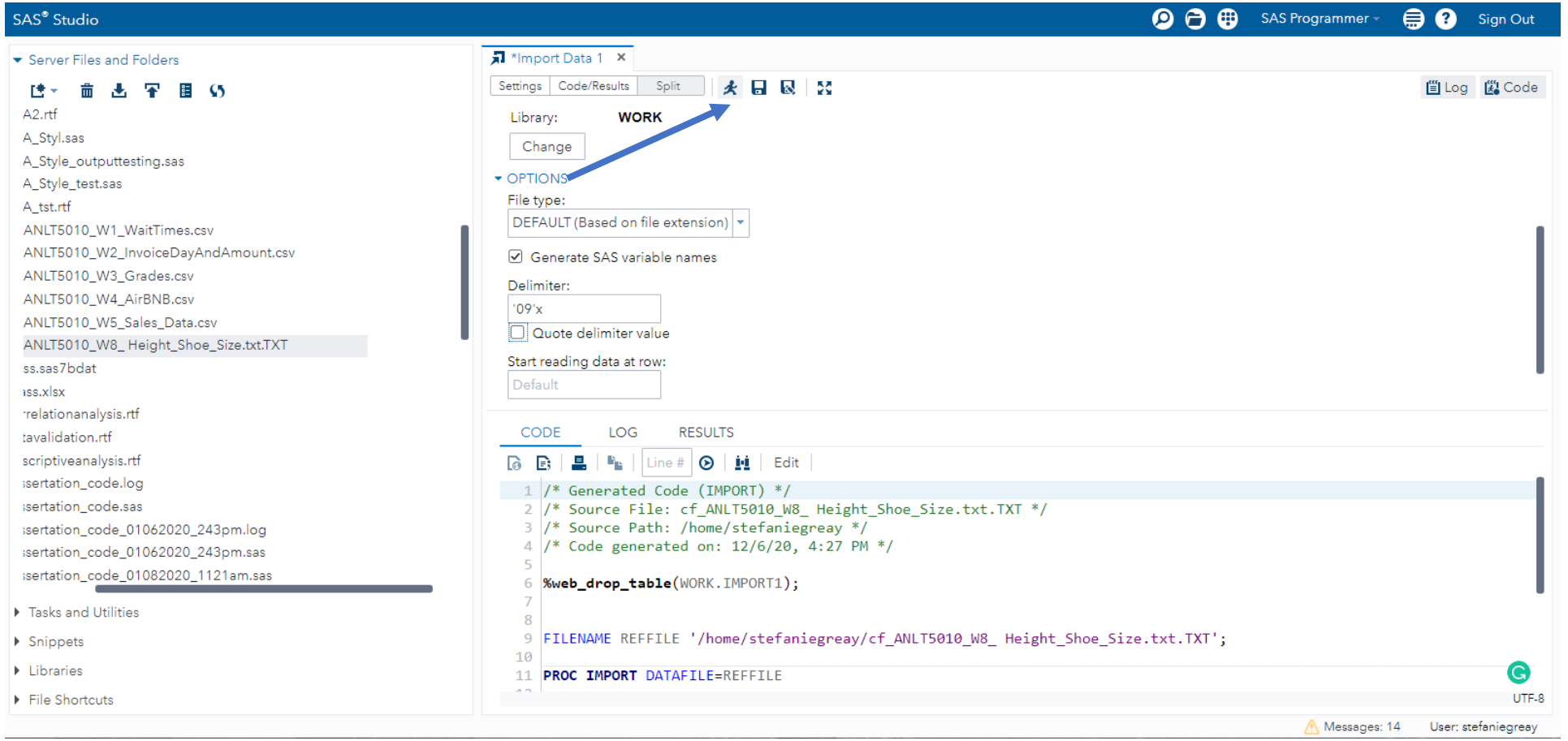


The Proc Import code will be written for you (save this as a template to use for future imports!) '09'x

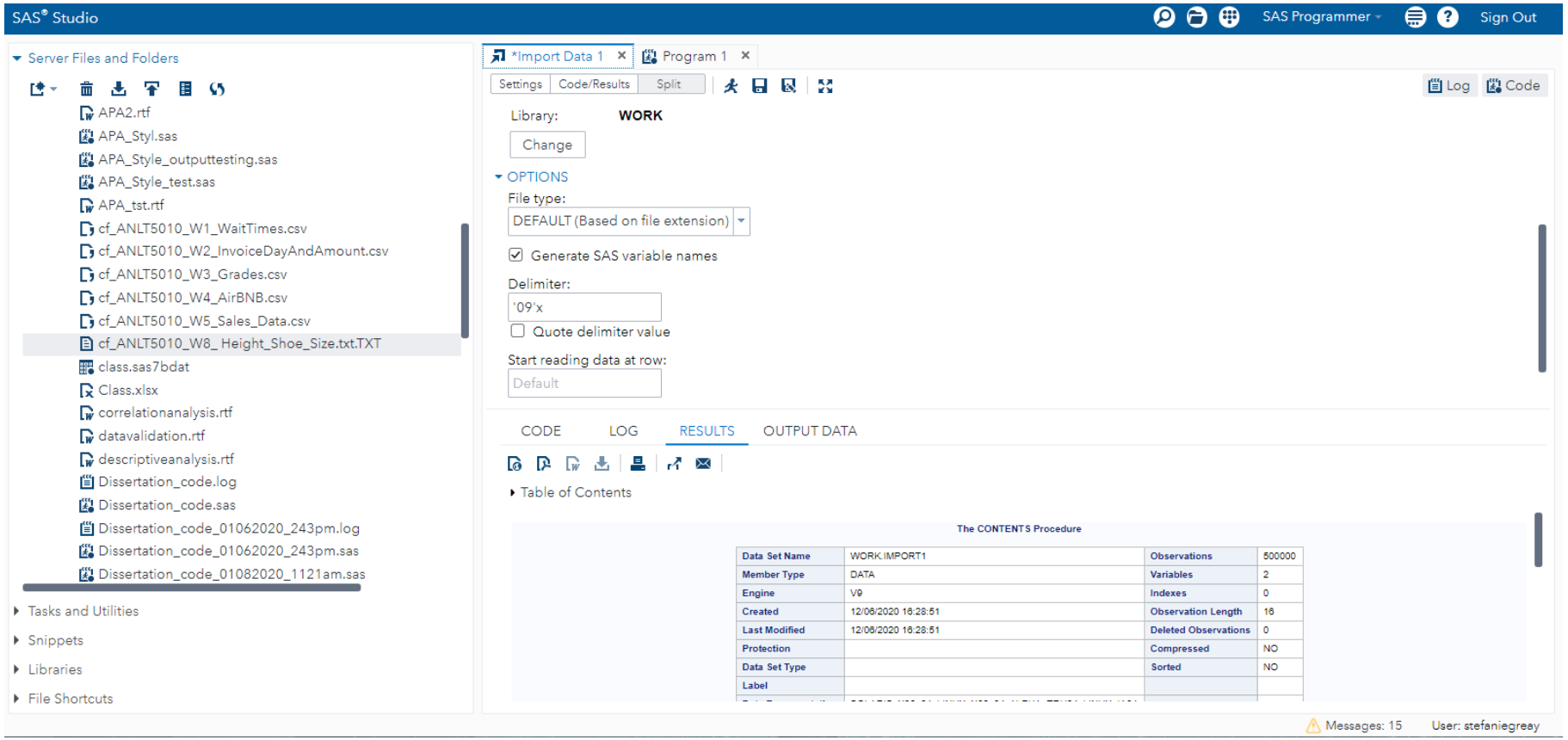


NOTE: you have to run this code for the data to actually import.

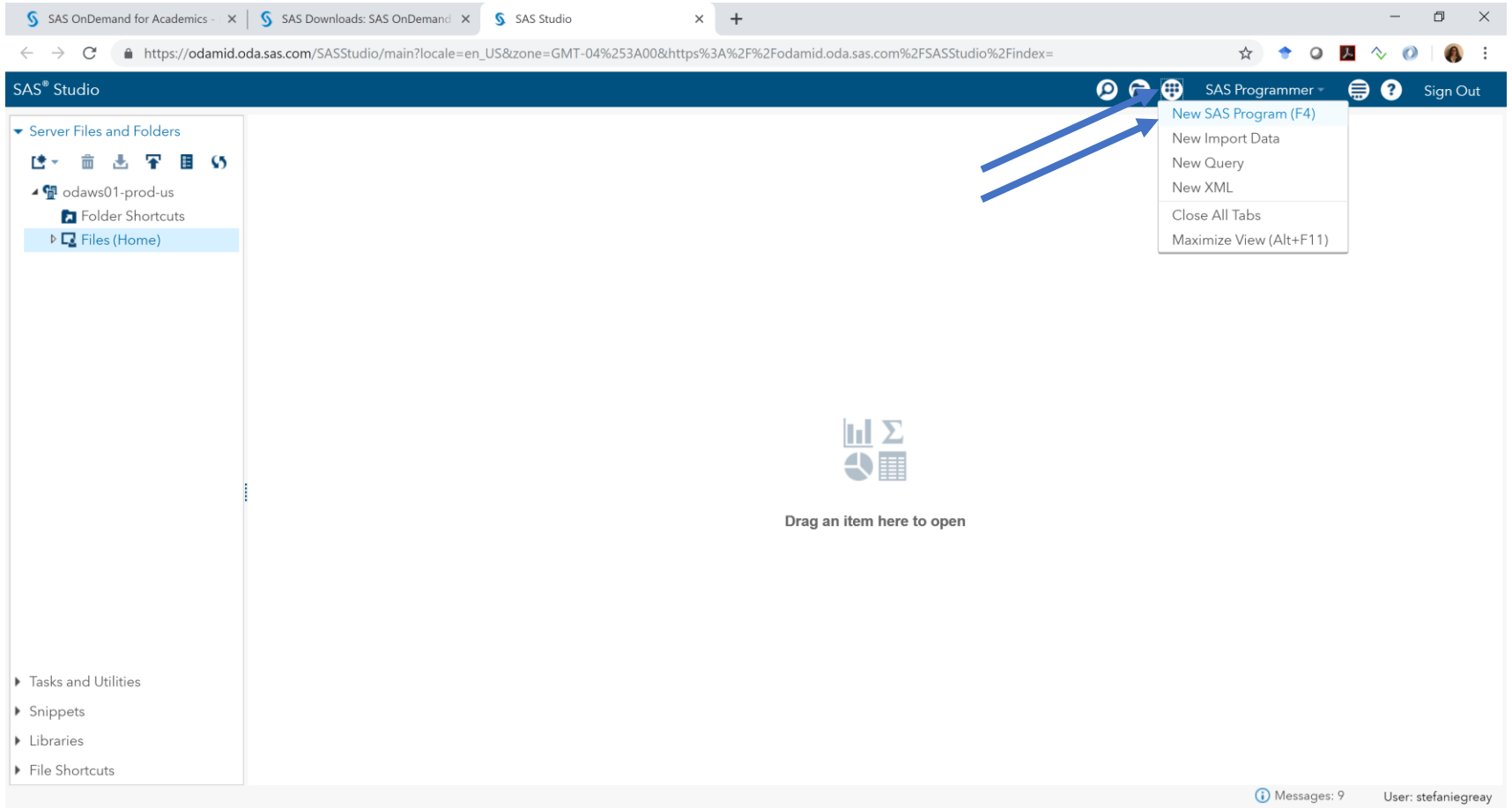
To run the code, click the icon that looks like a guy running.



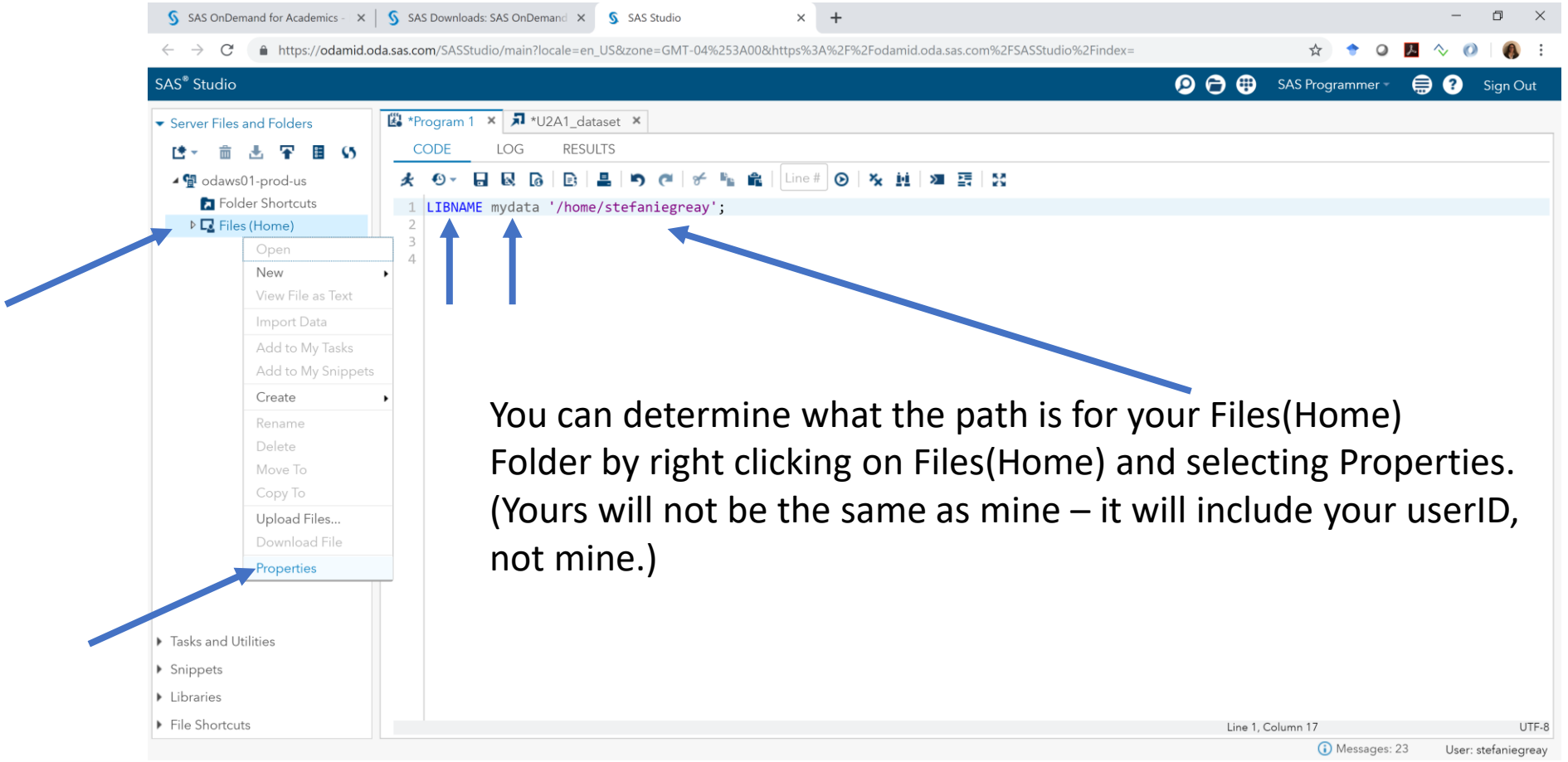
When you run the code, you will see the dataset and summary in the ouput data window and can verify its success.



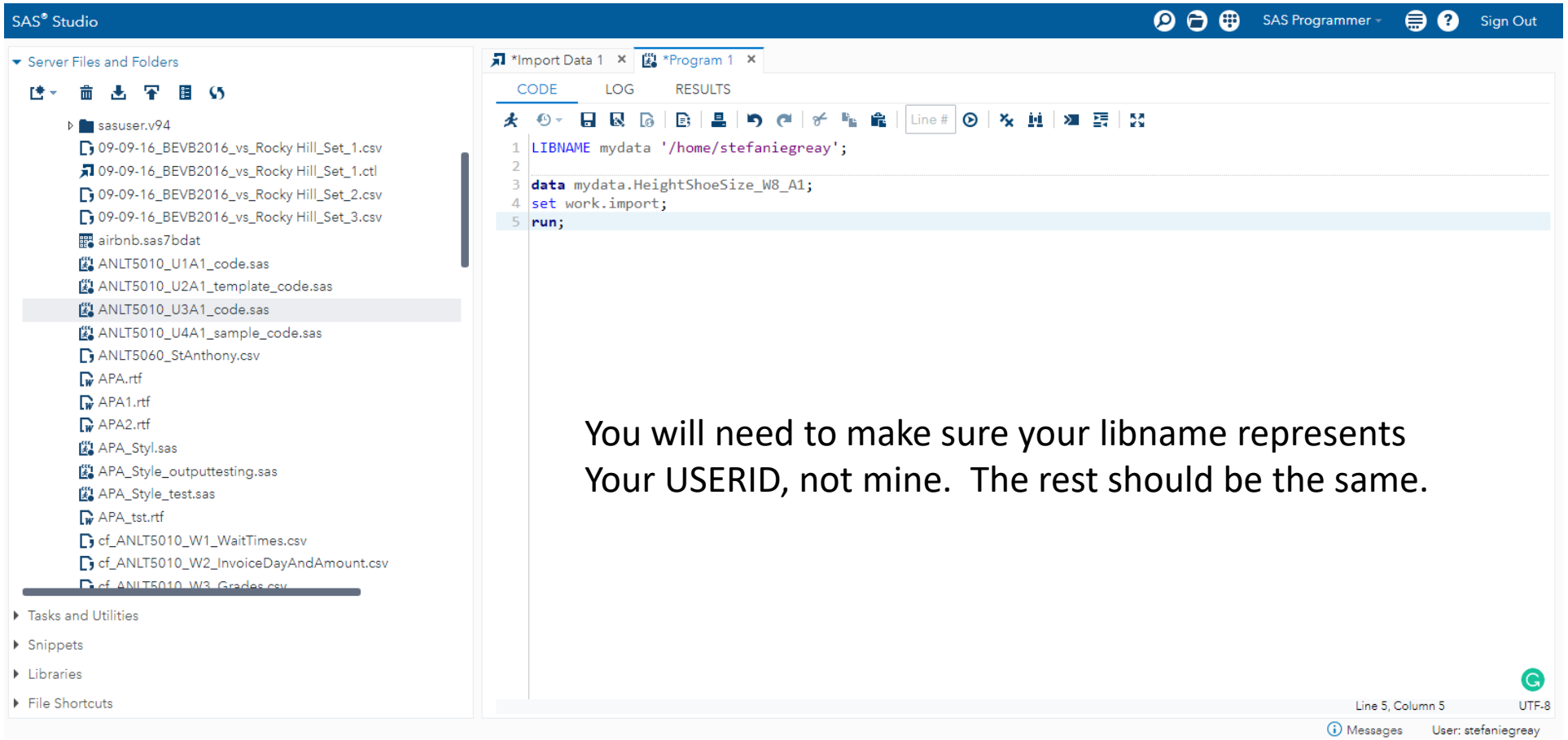
To get started with the SAS portion of the Week 8 Assignment 1 assignment, start a new SAS program.



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

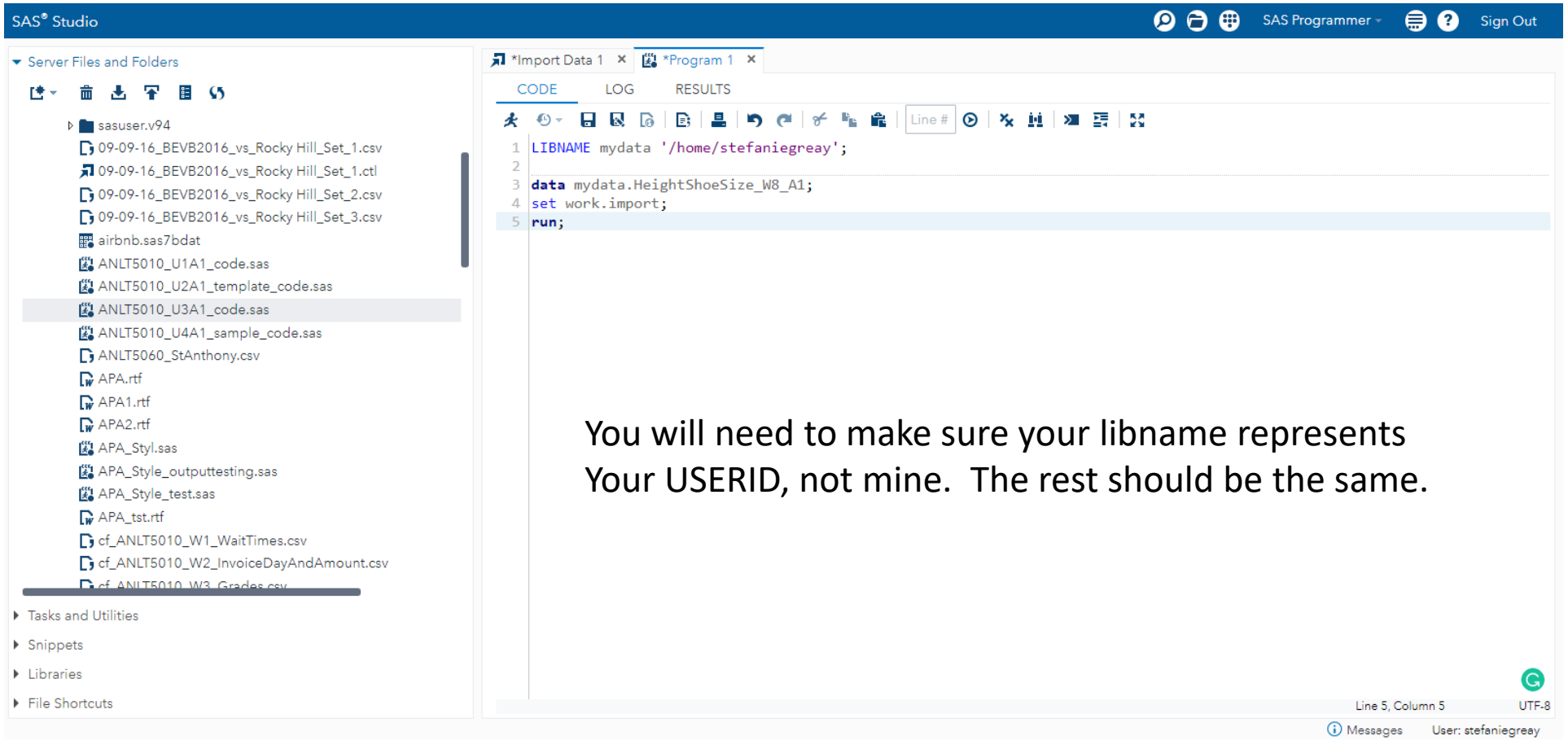


Save the temporary SAS dataset created by the import to your library using the following sample code.



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

You can now add whatever other code you want to run against the data.



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

Basic process

- Upload the file
- Import the data in the file into a SAS dataset
- Select a subset of the 500,000 records (a random sample is best)
- Check for a linear relationship between the variables
- Check assumptions required for simple linear regression
- Fit a simple linear regression model
- Evaluate and interpret the simple linear regression model

Additional Resources for Interpreting Output

Proc SurveySelect:

https://documentation.sas.com/?cdcId=pgmsascdc&cdcVersion=9.4_3.4&docsetId=statug&docsetTarget=statug_surveyselect_toc.htm&locale=en

Proc Reg:

https://support.sas.com/documentation//cdl/en/statug/68162/HTML/default/viewer.htm#statug_reg_toc.htm