

# ANLT5010 – Week 2

## Assignment 1 Tutorial

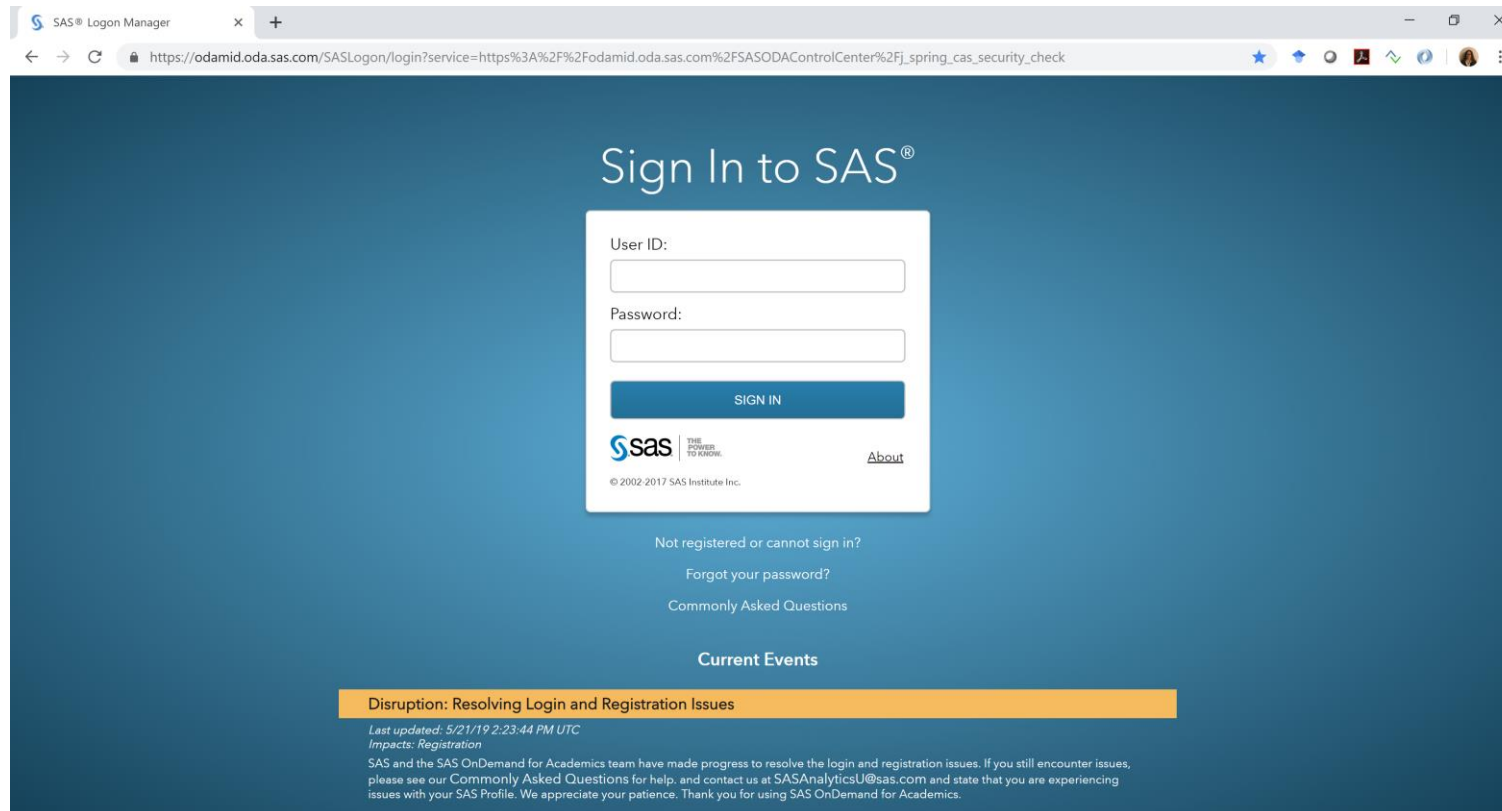
SAS Studio

# Dataset

- Download the cf\_ANLT5010\_W2\_InvoiceDayAndAmount.csv file from the Week 2 Welcome announcement in the course announcements or the Week 2 assignment area.

# Access the SAS OnDemand for Academics Control Center

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



The screenshot shows a web browser window with the title "SAS® Logon Manager". The address bar displays the URL: [https://odamid.oda.sas.com/SASLogon/login?service=https%3A%2F%2Fodamid.oda.sas.com%2FSASODAControlCenter%2Fj\\_spring\\_cas\\_security\\_check](https://odamid.oda.sas.com/SASLogon/login?service=https%3A%2F%2Fodamid.oda.sas.com%2FSASODAControlCenter%2Fj_spring_cas_security_check). The main content area has a dark blue background with the text "Sign In to SAS®" in white. Below this, there is a white login form with two input fields: "User ID:" and "Password:". A blue "SIGN IN" button is positioned below the password field. At the bottom of the form, the SAS logo is displayed with the tagline "THE POWER TO KNOW." and a link to "About". Below the login form, there are links for "Not registered or cannot sign in?", "Forgot your password?", and "Commonly Asked Questions". At the bottom of the page, there is a section titled "Current Events" with a yellow banner that reads "Disruption: Resolving Login and Registration Issues". Below the banner, it states "Last updated: 5/21/19 2:23:44 PM UTC" and "Impacts: Registration". A paragraph of text follows, stating that SAS and the SAS OnDemand for Academics team have made progress to resolve the login and registration issues, and provides contact information for further assistance.

Sign In to SAS®

User ID:

Password:

SIGN IN

SAS | THE POWER TO KNOW. [About](#)

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Not registered or cannot sign in?  
Forgot your password?  
Commonly Asked Questions

Current Events

Disruption: Resolving Login and Registration Issues

Last updated: 5/21/19 2:23:44 PM UTC  
Impacts: Registration

SAS and the SAS OnDemand for Academics team have made progress to resolve the login and registration issues. If you still encounter issues, please see our Commonly Asked Questions for help, and contact us at [SASAnalyticsU@sas.com](mailto:SASAnalyticsU@sas.com) and state that you are experiencing issues with your SAS Profile. We appreciate your patience. Thank you for using SAS OnDemand for Academics.

# SAS OnDemand for Academics (SODA) Control Center

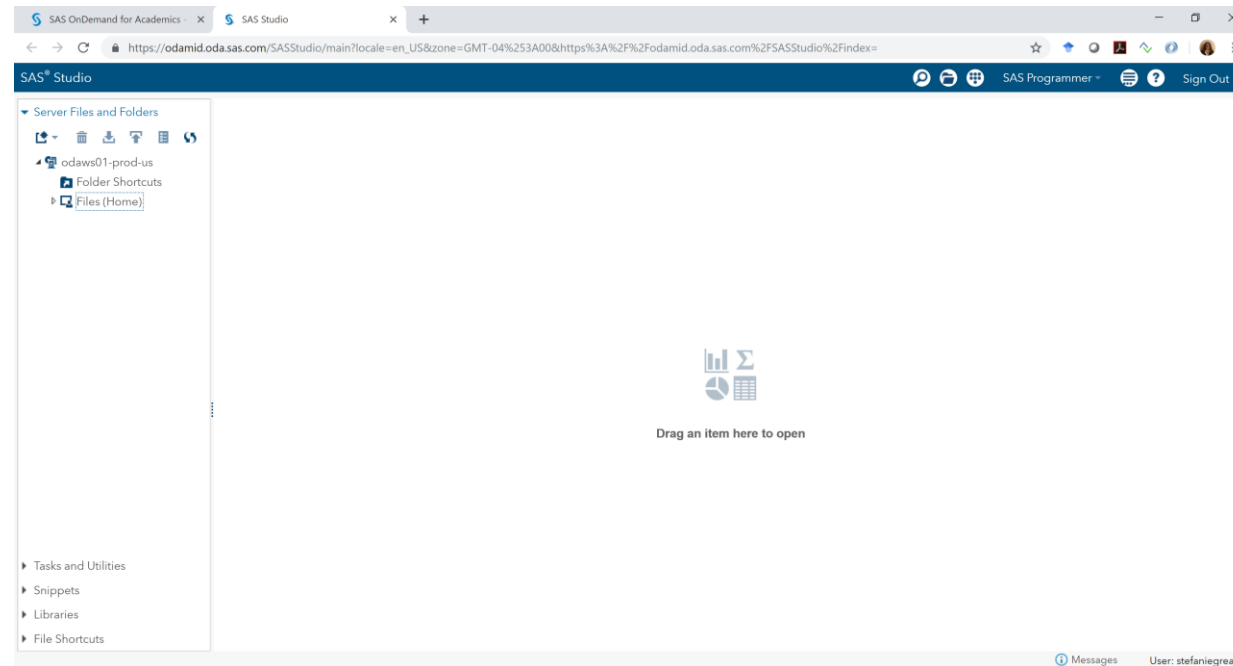
The screenshot shows the SAS OnDemand for Academics (SODA) Control Center dashboard. The browser address bar displays `https://odamid.oda.sas.com/SASODAControlCenter/`. The page header includes the SAS logo and the text "SAS OnDemand for Academics Control Center - United States". A blue navigation bar at the top contains the word "Dashboard" and a user profile for "Stefanie Reay".

The main content area is divided into several sections:

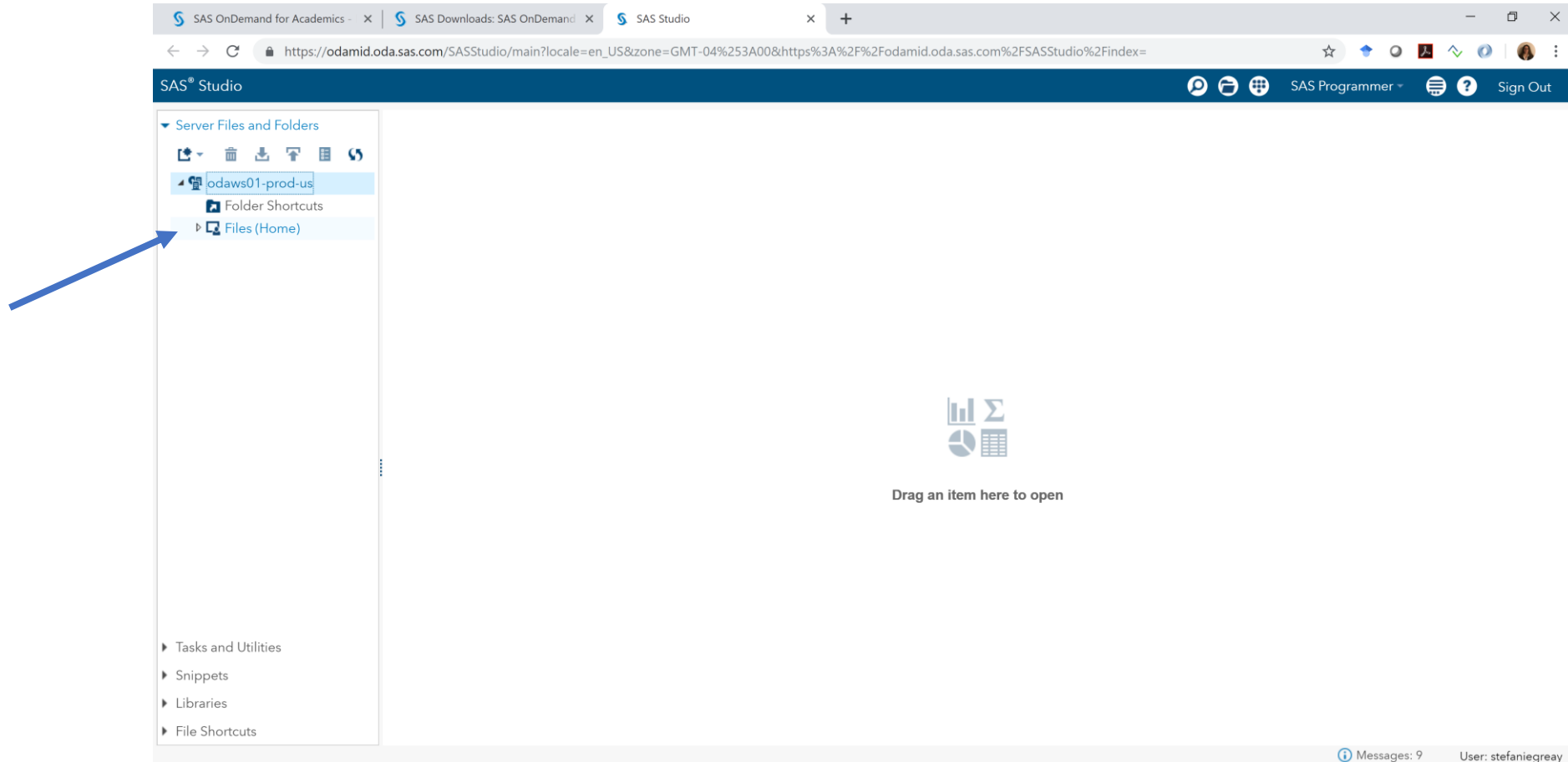
- Current Events** (click entry for details):
  - Resolving Login and Registration Issues**: Last updated: May 21, 2019 14:23 UTC. Impacts: Registration, Login Page.
- Planned Events** (click entry for details):
  - Scheduled Maintenance on Tuesday, July 16, 8:30 - 10:00 am EDT**: Last updated: Jul 09, 2019 17:38 UTC. Scheduled start time: Jul 16, 2019 12:30 UTC. Scheduled end time: Jul 16, 2019 14:00 UTC.
- Applications** (tabbed view):
  - SAS Studio**: Write and run SAS code with a Web-based SAS development environment. Actions: Clear my saved tabs.
  - SAS Enterprise Guide**: Deliver the power of SAS from an easy-to-use, point-and-click interface. (Download Required)
  - JMP access to SAS Servers (U.S. users only)**: Statistical discovery software. Users must have a copy of JMP software. (Configuration Steps Required)
  - SAS Enterprise Miner**: Reveal valuable insights with powerful data mining software. (Configuration Steps Required)
- Reference**:
  - Support Site
  - Step-by-Step Registration Guides
  - User's Guide
  - Commonly Asked Questions
  - Status Page
- Quotas** (learn more):
  - Home Directory (4.4MB/5120MB)**: 0%
  - Course Directory (207.0MB/3072MB)**: 7%
- Notices**:
  - German, Spanish and French Locale Users Impacted by a SAS Studio Issue**: Last updated: Jun 18, 2019 15:02 UTC. Importance: High. Impacts: SAS Studio.

# SAS Studio

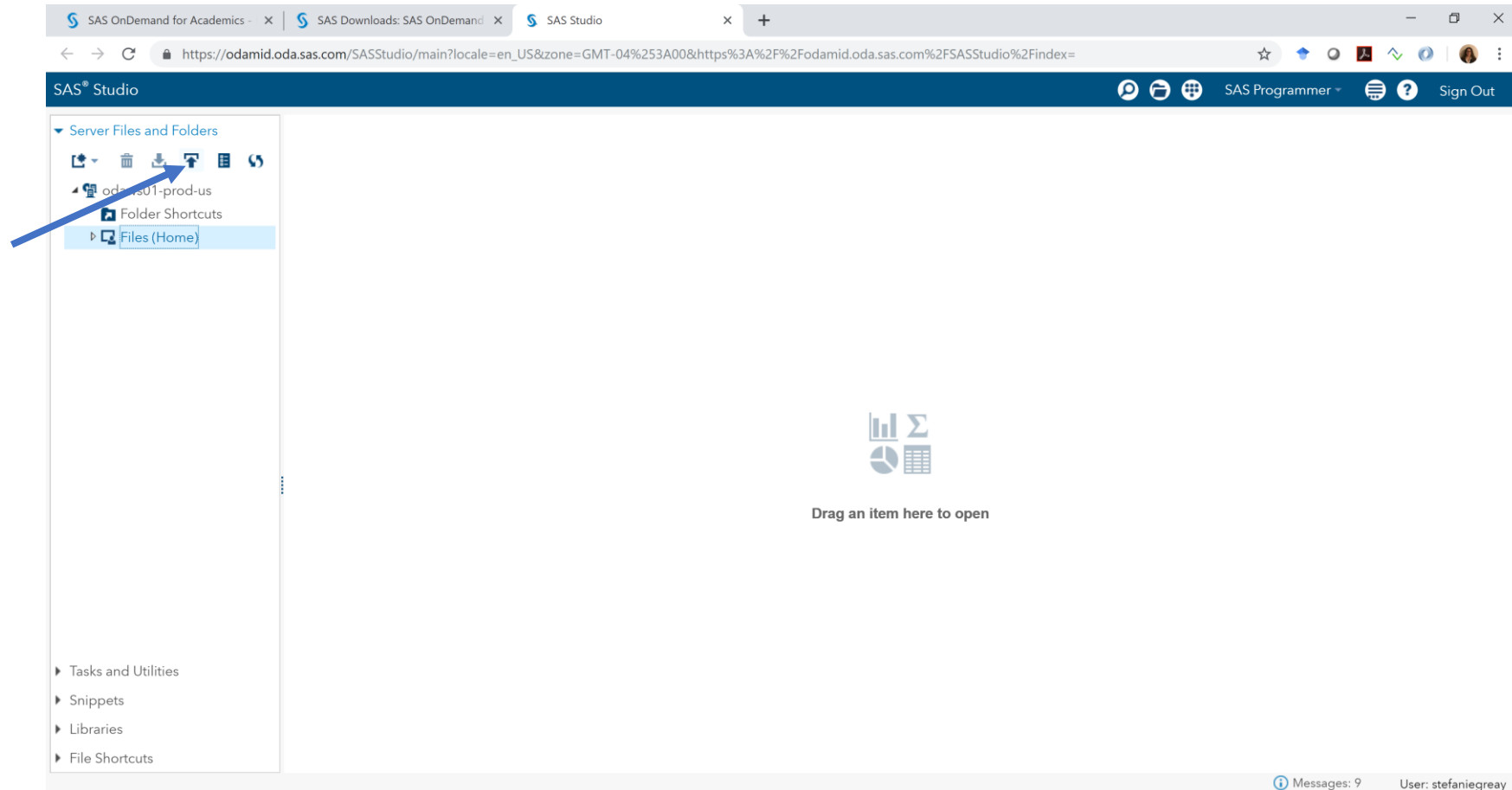
<https://odamid.oda.sas.com/SASStudio/>



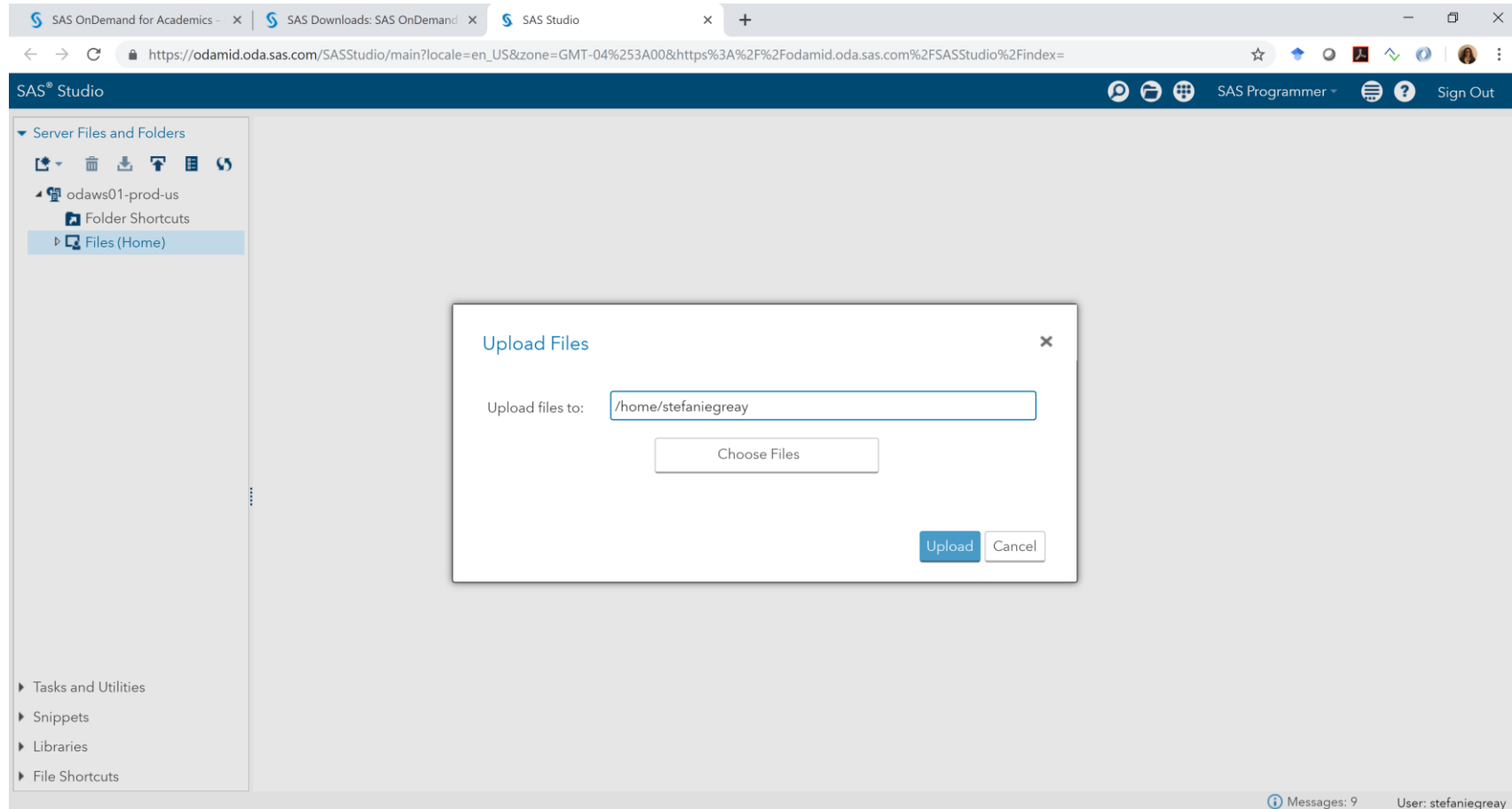
# Click on Files(Home)



# The Upload button will display in dark blue

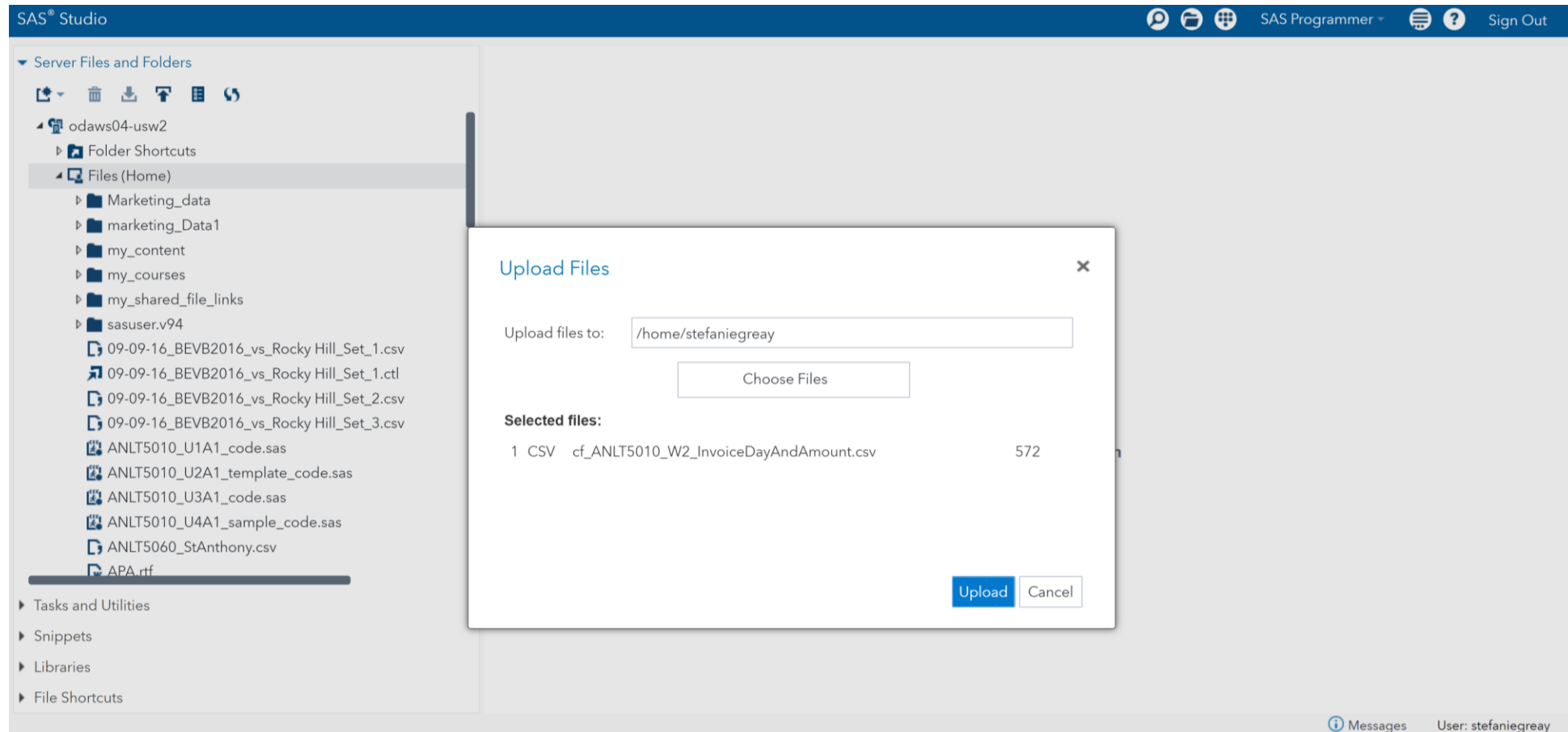


You can create a folder at this point, if you wish, or simply upload to your home directory.





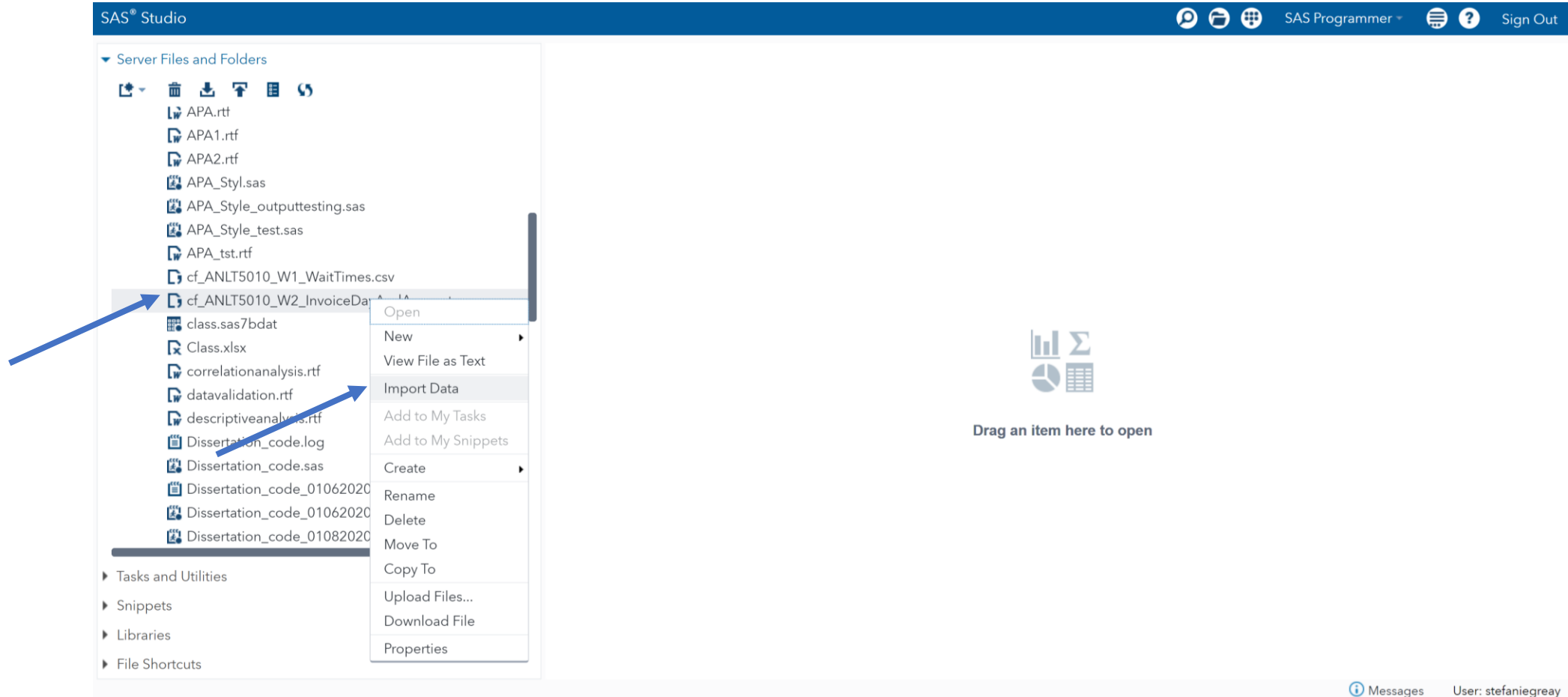
Select “Choose Files” to browse your computer for the dataset you want to upload. Once the dataset has been selected, click “Upload.”



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!)

The screenshot displays the SAS Studio interface. On the left, the 'Server Files and Folders' pane shows a list of files, with 'cf\_ANLT5010\_W2\_InvoiceDayAndAmount.csv' selected. The main window is titled '\*cf\_ANLT5010\_W2\_InvoiceDayAndAmount' and contains a 'FILE INFORMATION' section with the following details:

- File name: cf\_ANLT5010\_W2\_InvoiceDayAndAmount.csv
- Source location: /home/stefaniegreay
- End of line delimiter: Default

Below this, the 'OUTPUT DATA' section shows:

- SAS server: SASApp
- Data set name: IMPORT
- Library: WORK

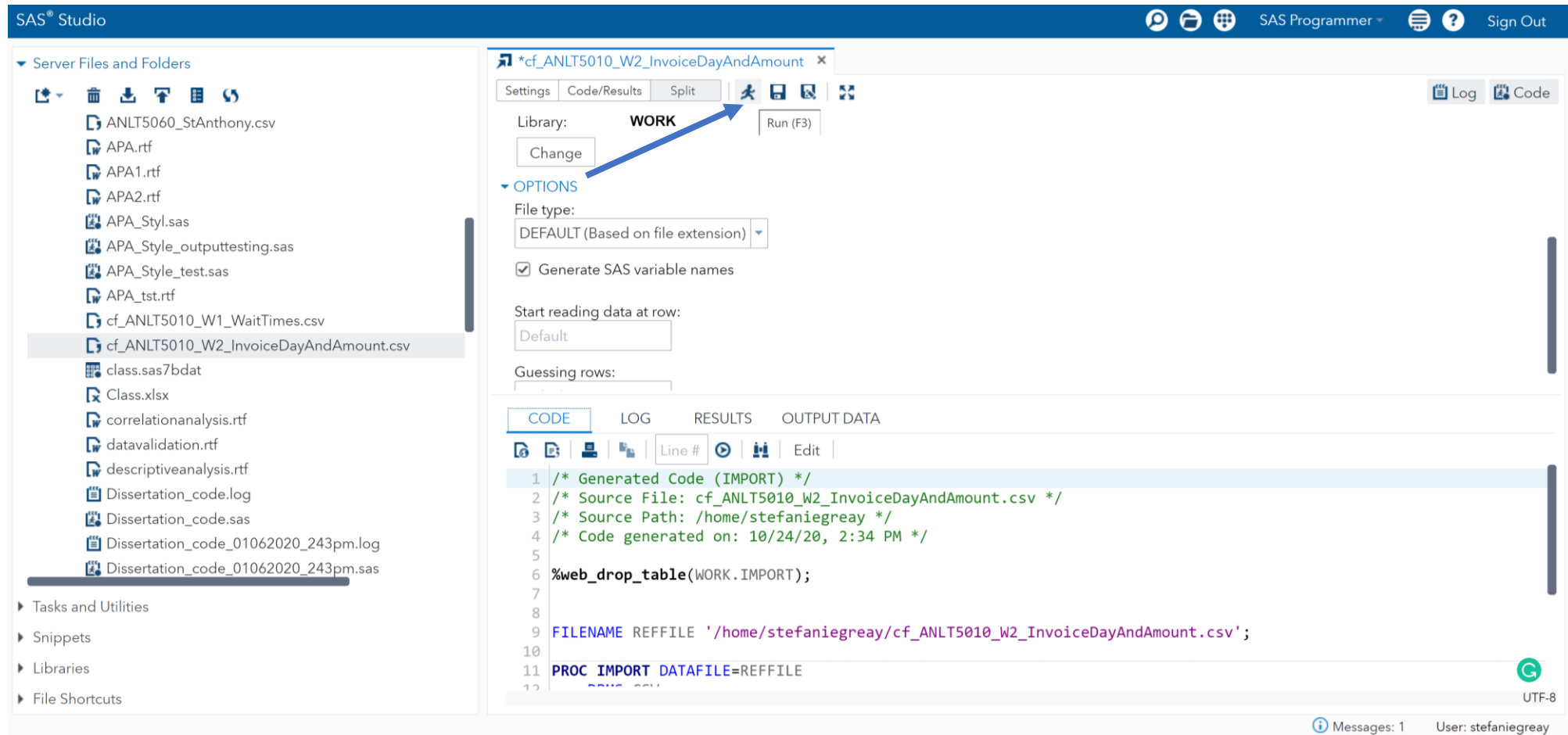
To the right of the file information, a note states: 'NOTE: you have to run this code for the data to actually import.'

The bottom pane shows the generated SAS code in the 'CODE' tab:

```
1 /* Generated Code (IMPORT) */
2 /* Source File: cf_ANLT5010_W2_InvoiceDayAndAmount.csv */
3 /* Source Path: /home/stefaniegreay */
4 /* Code generated on: 10/24/20, 2:34 PM */
5
6 %web_drop_table(WORK.IMPORT);
7
8
9 FILENAME REFFILE '/home/stefaniegreay/cf_ANLT5010_W2_InvoiceDayAndAmount.csv';
10
11 PROC IMPORT DATAFILE=REFFILE
12
```

The status bar at the bottom indicates 'Messages' and 'User: stefaniegreay'.

# 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 output data window and can verify its success.

SAS® Studio

Server Files and Folders

ANLT5060\_StAnthony.csv

APA.rtf

APA1.rtf

APA2.rtf

APA\_Styl.sas

APA\_Style\_outputtesting.sas

APA\_Style\_test.sas

APA\_tst.rtf

cf\_ANLT5010\_W1\_WaitTimes.csv

cf\_ANLT5010\_W2\_InvoiceDayAndAmount.csv

class.sas7bdat

Class.xlsx

correlationanalysis.rtf

datavalidation.rtf

descriptiveanalysis.rtf

Dissertation\_code.log

Dissertation\_code.sas

Dissertation\_code\_01062020\_243pm.log

Dissertation\_code\_01062020\_243pm.sas

Tasks and Utilities

Snippets

Libraries

File Shortcuts

\*cf\_ANLT5010\_W2\_InvoiceDayAndAmount

Settings

Code/Results

Split

Log

Code

Library: WORK

Change

OPTIONS

File type: DEFAULT (Based on file extension)

Generate SAS variable names

Start reading data at row: Default

Guessing rows:

CODE

LOG

RESULTS

OUTPUT DATA

Table of Contents

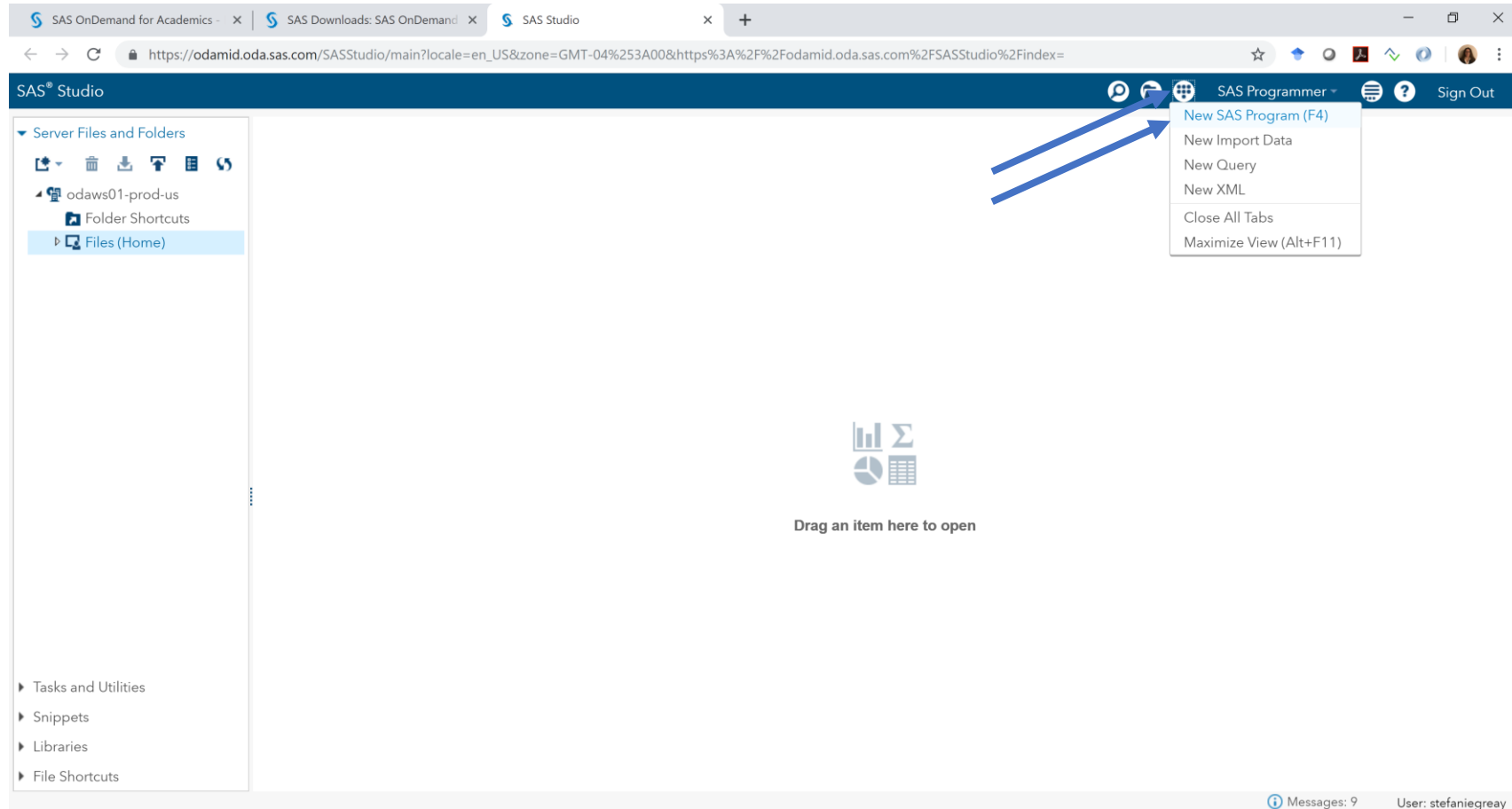
The CONTENTS Procedure

Data Set Name	WORK.IMPORT	Observations	65
Member Type	DATA	Variables	2
Engine	V9	Indexes	0
Created	10/24/2020 14:35:27	Observation Length	16
Last Modified	10/24/2020 14:35:27	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SQADIS YR6 RA LINDY YR6 RA ALPHA TRIRA LINDY IARA		

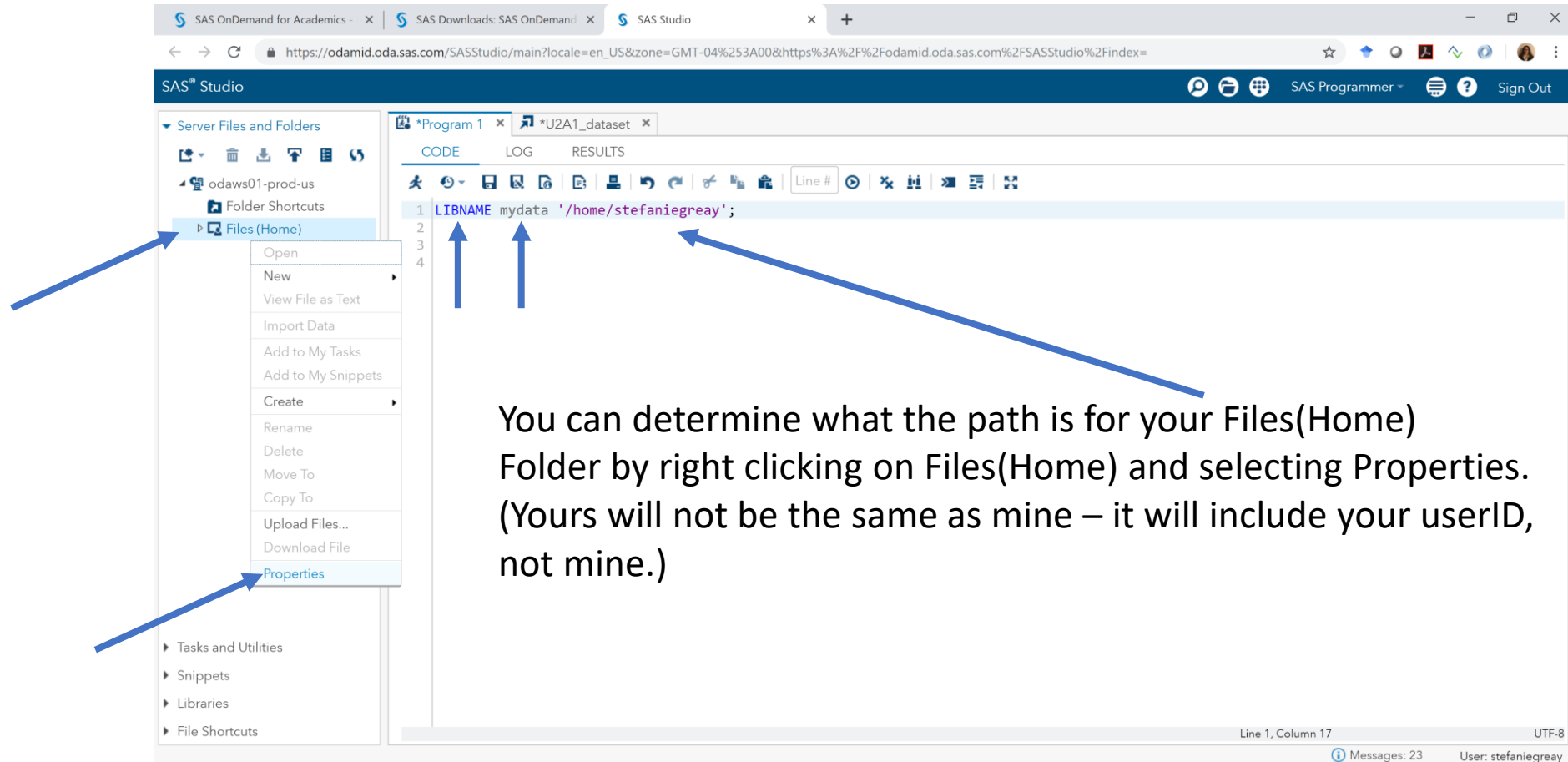
Messages: 2

User: stefanieqrea

To get started with the SAS portion of the Week 2 Assignment 1 assignment, start a new SAS program.

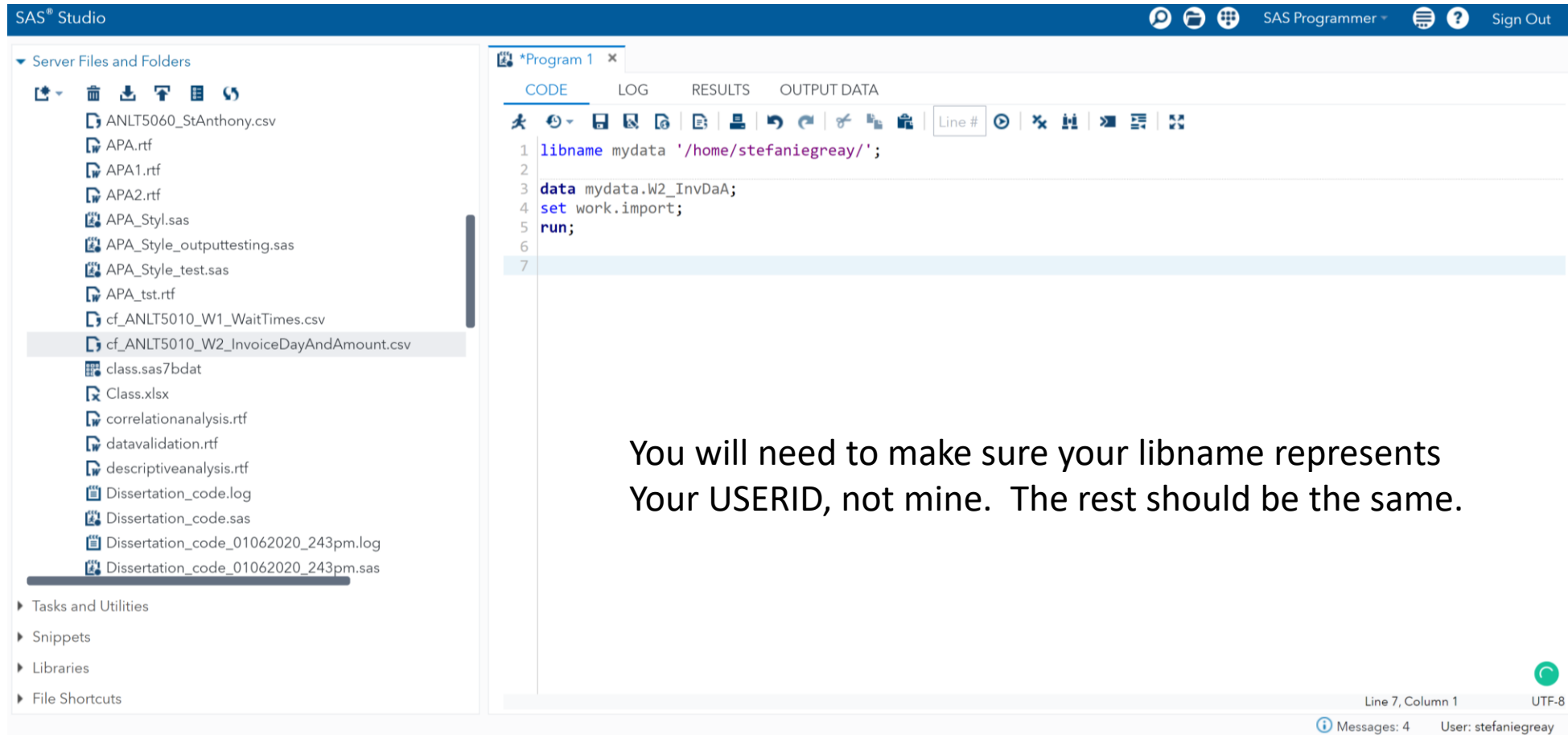


# To create a SAS Library for your Files(Home) folder, you need to use a libname statement





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



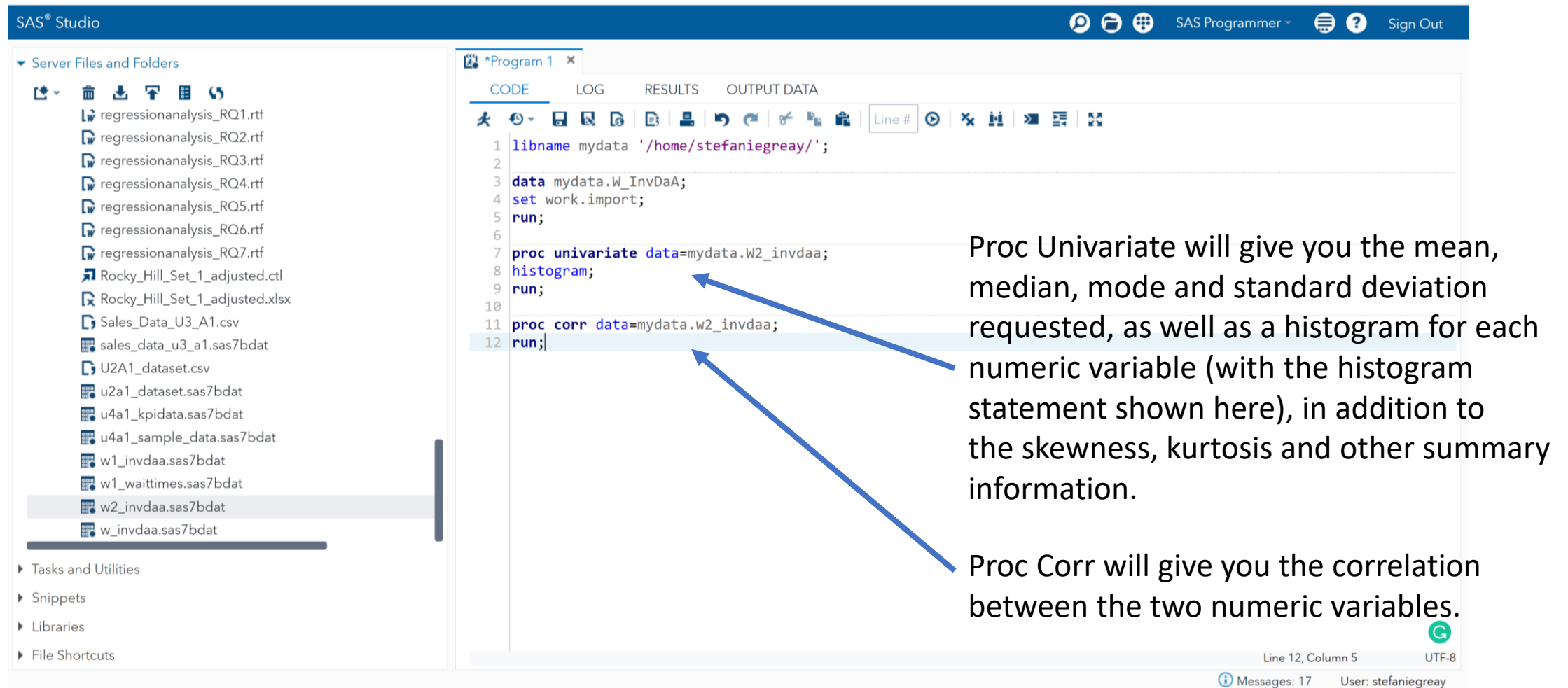
The screenshot shows the SAS Studio interface. On the left, the 'Server Files and Folders' pane lists various files, including 'cf\_ANLT5010\_W2\_InvoiceDayAndAmount.csv'. The main editor window, titled '\*Program 1', displays the following SAS code:

```
1 libname mydata '/home/stefaniegreay/';  
2  
3 data mydata.W2_InvDaA;  
4 set work.import;  
5 run;  
6  
7
```

Below the code editor, a text box states: "You will need to make sure your libname represents Your USERID, not mine. The rest should be the same."

The bottom status bar indicates "Line 7, Column 1", "UTF-8", "Messages: 4", and "User: stefaniegreay".

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



The screenshot displays the SAS Studio interface. On the left, the 'Server Files and Folders' pane lists various datasets, with 'w2\_invdaa.sas7bdat' selected. The main 'CODE' window shows the following SAS program:

```
1 libname mydata '/home/stefaniegreay/';  
2  
3 data mydata.W_InvDaA;  
4 set work.import;  
5 run;  
6  
7 proc univariate data=mydata.W2_invdaa;  
8 histogram;  
9 run;  
10  
11 proc corr data=mydata.w2_invdaa;  
12 run;
```

Two blue arrows point from explanatory text to the code:

- An arrow points from the text "Proc Univariate will give you the mean, median, mode and standard deviation requested, as well as a histogram for each numeric variable (with the histogram statement shown here), in addition to the skewness, kurtosis and other summary information." to line 7 of the code.
- An arrow points from the text "Proc Corr will give you the correlation between the two numeric variables." to line 11 of the code.

The bottom status bar indicates 'Line 12, Column 5' and 'UTF-8'.

# Code template

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

```
data mydata.W_InvDaA;  
set work.import;  
run;
```

```
proc univariate data=mydata.W2_invdaa;  
histogram;  
run;
```

```
proc corr data=mydata.w2_invdaa;  
run;
```