

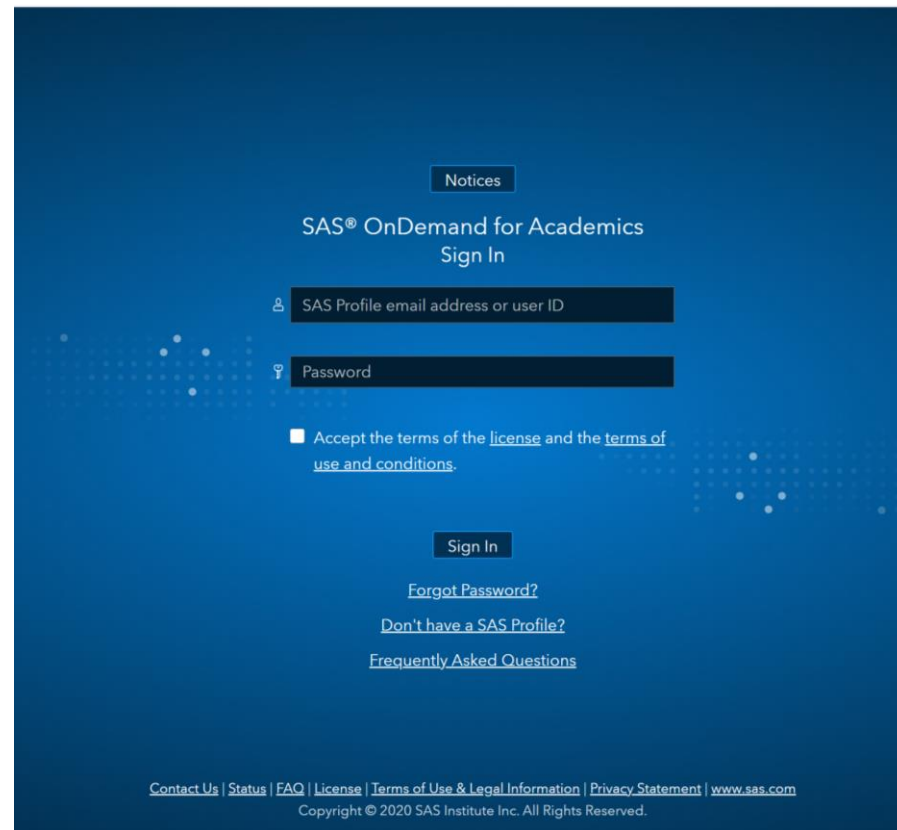
ANLT5050

Unit 3 Assignment 2 Tutorial



Access the SAS OnDemand for Academics Control Center

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



The screenshot shows the SAS OnDemand for Academics Sign In page. The background is a dark blue gradient with a subtle pattern of white dots. At the top, there is a "Notices" button. Below it, the text "SAS® OnDemand for Academics" and "Sign In" are displayed. The sign-in form includes two input fields: "SAS Profile email address or user ID" and "Password". Below the password field, there is a checkbox labeled "Accept the terms of the [license](#) and the [terms of use and conditions](#)." A "Sign In" button is positioned below the checkbox. At the bottom of the form, there are three links: "Forgot Password?", "Don't have a SAS Profile?", and "Frequently Asked Questions". The footer contains a row of links: "Contact Us", "Status", "FAQ", "License", "Terms of Use & Legal Information", "Privacy Statement", and "www.sas.com", followed by the copyright notice "Copyright © 2020 SAS Institute Inc. All Rights Reserved."



SAS OnDemand for Academics (SODA) Control Center

The screenshot displays the SAS OnDemand for Academics (SODA) Control Center dashboard. At the top, the SAS logo is on the left, and the user's location (United States) and name (Stefanie Reay) are on the right. The main heading is "SAS® OnDemand for Academics Dashboard". Below this, there are tabs for "Planned Events" and "Notices". A navigation bar includes "Applications", "Enrollments", and "Courses". The "Applications" tab is active, showing a list of SAS products:

- 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](#))
- SAS® Enterprise Miner™**: Reveal valuable insights with powerful data mining software. ([Configuration Steps Required](#)) *Actions: [Clear my project locks.](#)*
- SAS® Forecast Studio**: Generate large numbers of high-quality forecasts automatically. ([Configuration Steps Required](#)) *Actions: [Manage your personal environment.](#)*
- JMP® Software access to SAS® hosted servers**: Statistical discovery software. Users must have a copy of JMP® software. ([Configuration Steps Required](#))

On the right side, there is a "Reference" section with links to the [Support Site](#), [Step-by-Step Reference Guides](#), and [Frequently Asked Questions](#). Below this is a "Quotas (learn more)" section showing progress bars for "Home Directory (46.5MB/5120MB)" at 1% and "Course Directory (207.0MB/3072MB)" at 7%.

At the bottom, there is a link for "Other Ways to Access SAS® OnDemand for Academics Resources".



Data in the SAS OnDemand for Academics environment

- To upload data for use in the SAS OnDemand for Academics environment, you must upload it through SAS Studio
- Once you upload the files in SAS Studio, they will be accessible through SAS Studio, SAS Enterprise Guide, and SAS Enterprise Miner



Click on “SAS Studio” to start SAS Studio

The screenshot displays the SAS OnDemand for Academics Dashboard. At the top left is the SAS logo. At the top right, it shows 'United States' and a user profile for 'Stefanie Reay'. The main heading is 'SAS® OnDemand for Academics Dashboard'. Below this are buttons for 'Planned Events' and 'Notices'. A navigation bar contains 'Applications', 'Enrollments', and 'Courses', with 'Applications' being the active tab. The main content area lists several applications: 'SAS® Studio' (with a description and an action link 'Clear my saved tabs'), 'SAS® Enterprise Guide®' (with a description and a 'Download Required' note), 'SAS® Enterprise Miner™' (with a description and a 'Configuration Steps Required' note), 'SAS® Forecast Studio' (with a description and a 'Configuration Steps Required' note), and 'JMP® Software access to SAS® hosted servers' (with a description and a 'Configuration Steps Required' note). On the right side, there is a 'Reference' section with links to 'Support Site', 'Step-by-Step Reference Guides', and 'Frequently Asked Questions'. Below that is a 'Quotas (learn more)' section showing progress bars for 'Home Directory (46.5MB/5120MB)' at 1% and 'Course Directory (207.0MB/3072MB)' at 7%. At the bottom, there is a link for 'Other Ways to Access SAS® OnDemand for Academics Resources'.

SAS

United States | Stefanie Reay

SAS® OnDemand for Academics Dashboard

Planned Events Notices

Applications Enrollments Courses

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](#))

SAS® Enterprise Miner™
Reveal valuable insights with powerful data mining software. ([Configuration Steps Required](#))
Actions: [Clear my project locks.](#)

SAS® Forecast Studio
Generate large numbers of high-quality forecasts automatically. ([Configuration Steps Required](#))
Actions: [Manage your personal environment.](#)

JMP® Software access to SAS® hosted servers
Statistical discovery software. Users must have a copy of JMP® software. ([Configuration Steps Required](#))

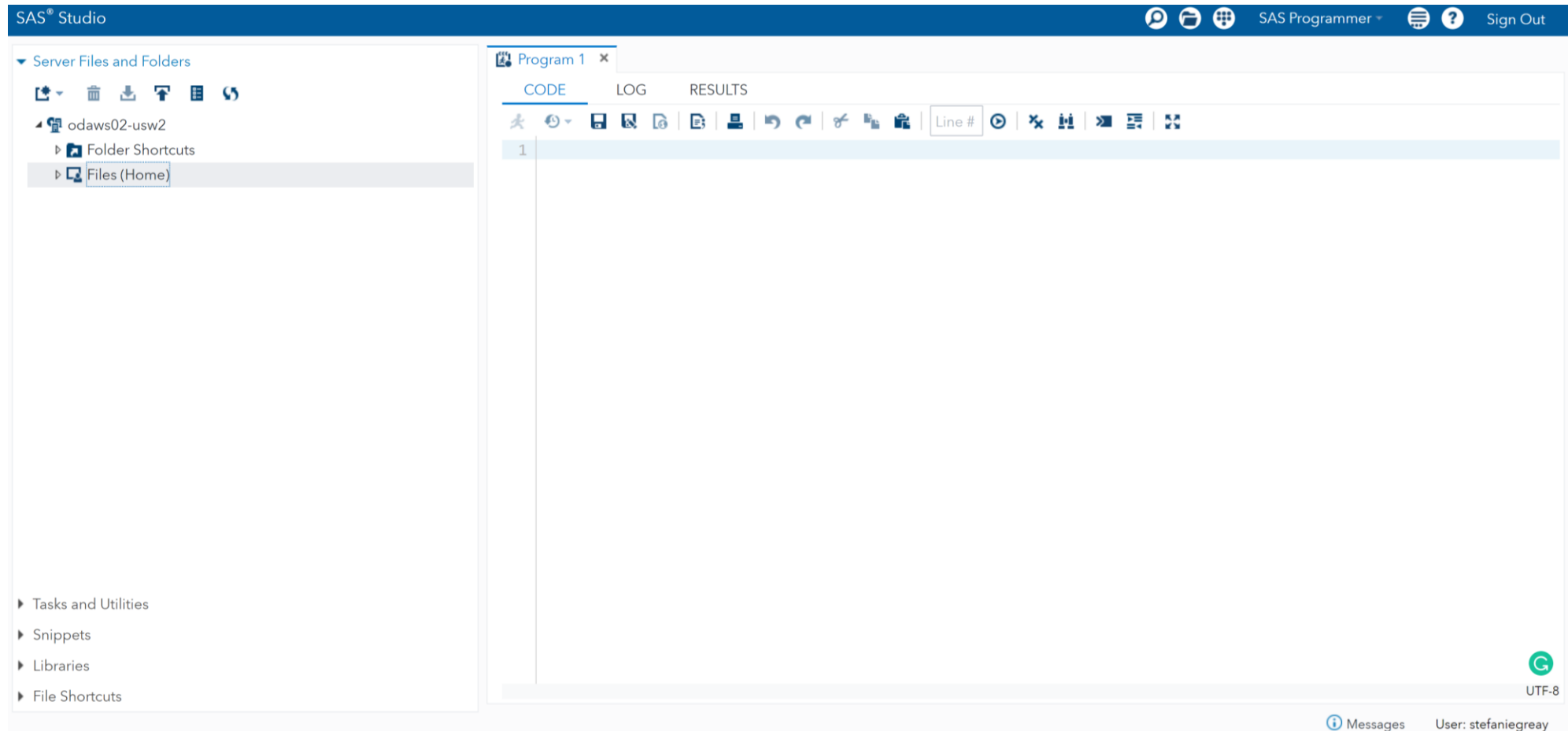
Reference
[Support Site](#)
[Step-by-Step Reference Guides](#)
[Frequently Asked Questions](#)

Quotas (learn more)
Home Directory (46.5MB/5120MB)
1%
Course Directory (207.0MB/3072MB)
7%

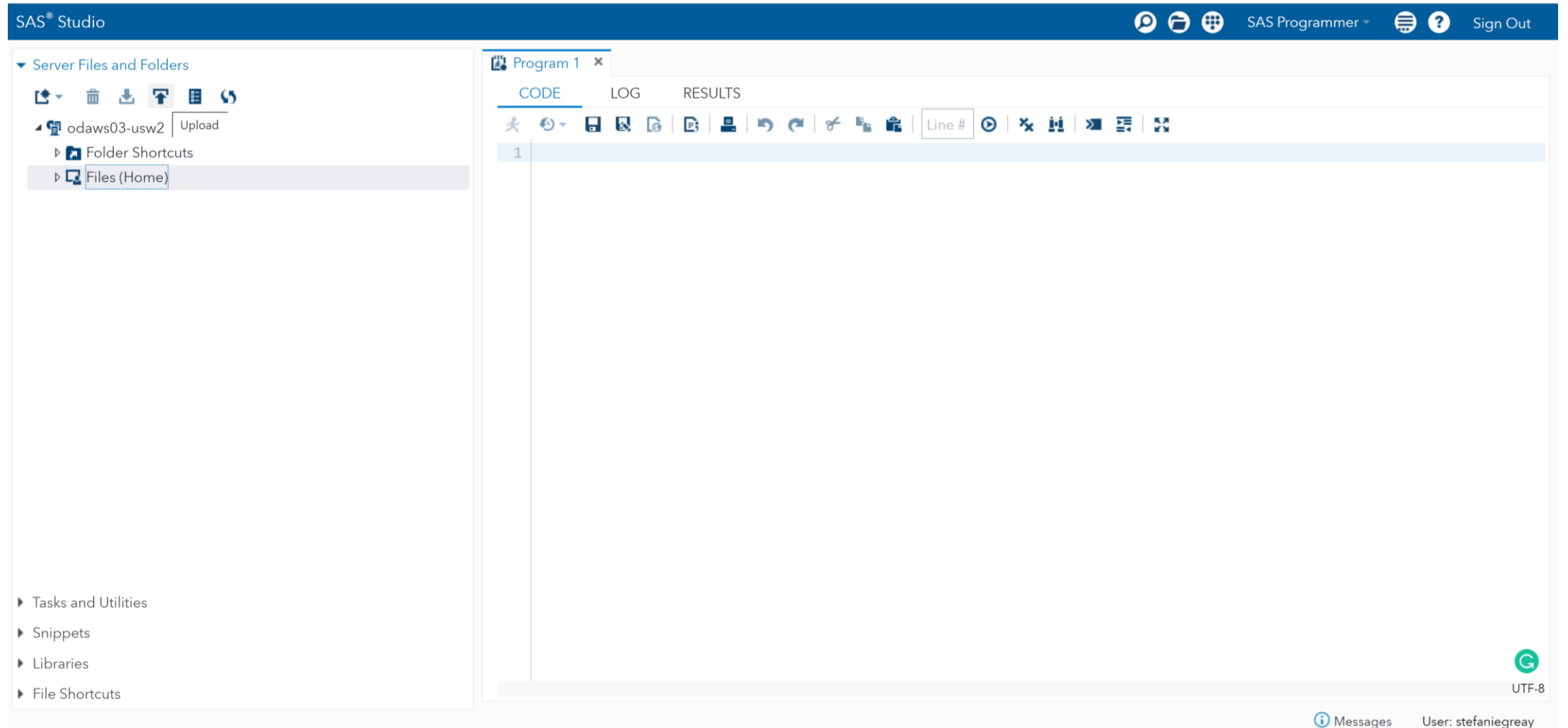
[Other Ways to Access SAS® OnDemand for Academics Resources](#)



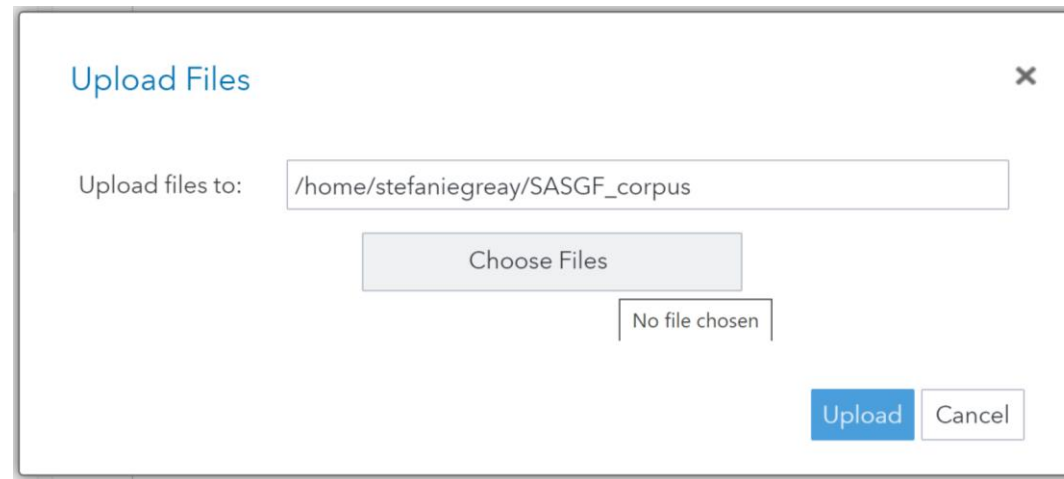
Click on “Files (Home)” to make the upload button appear in dark blue.



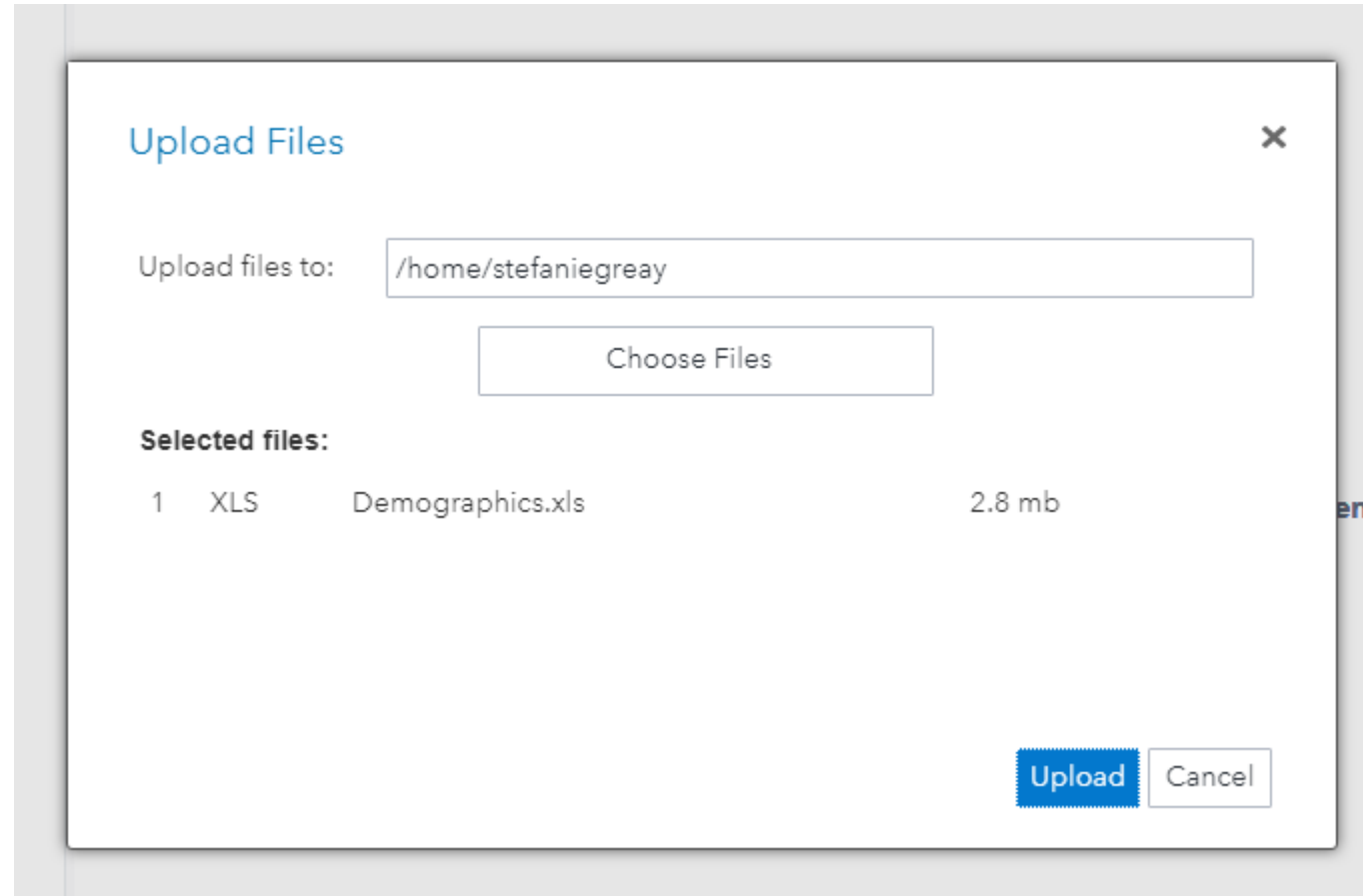
Click on “Upload”



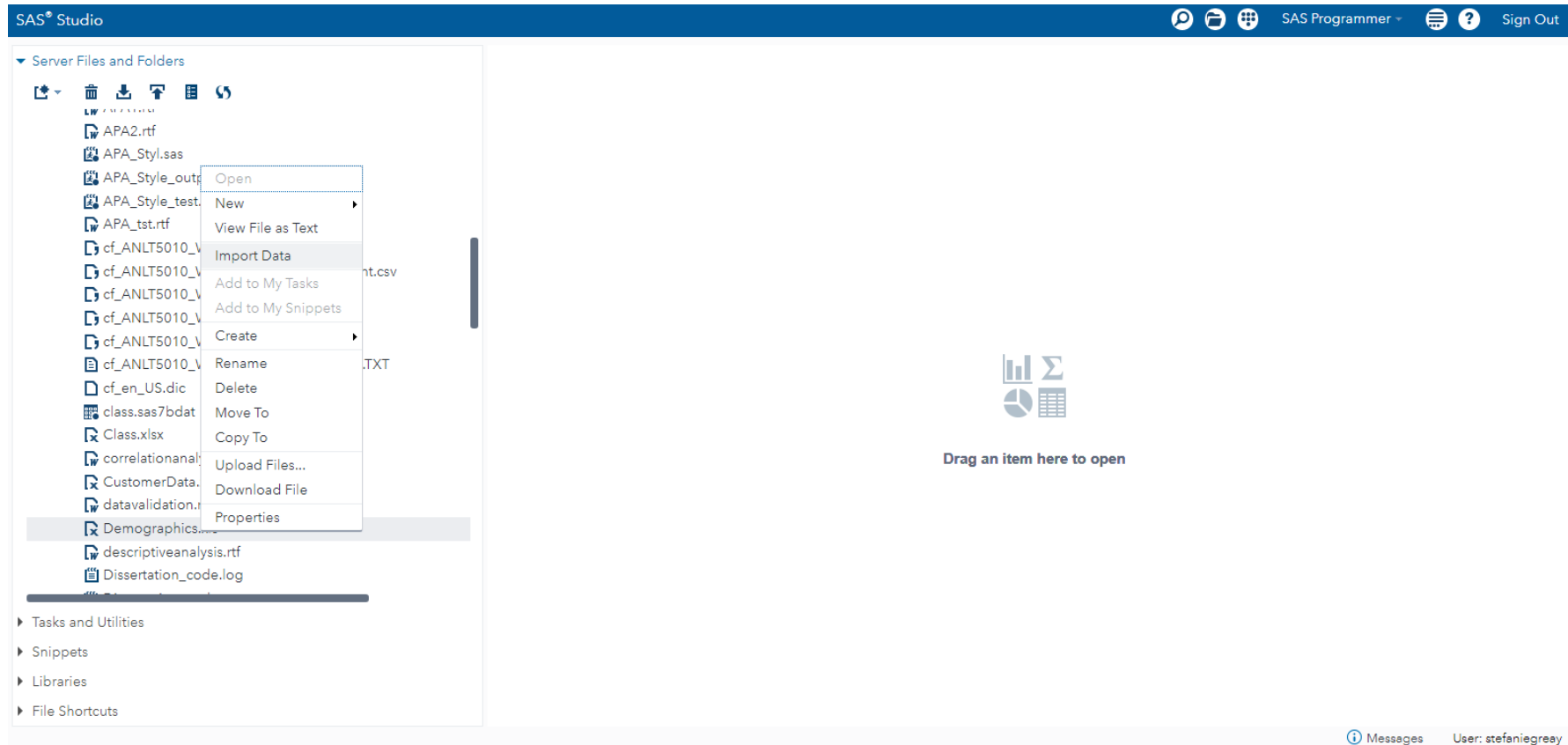
Click “Choose Files.”



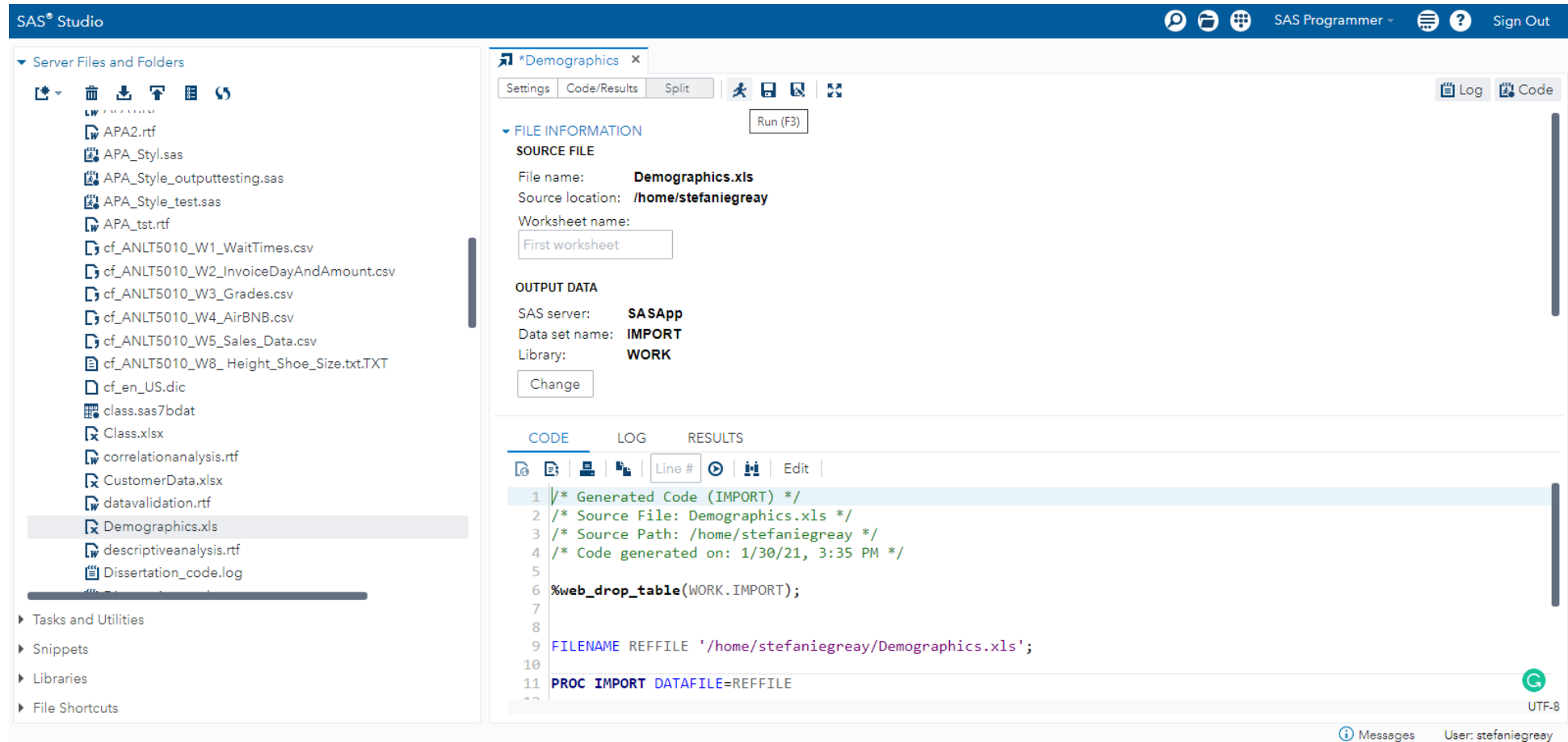
Choose this week's data file and click "Upload."



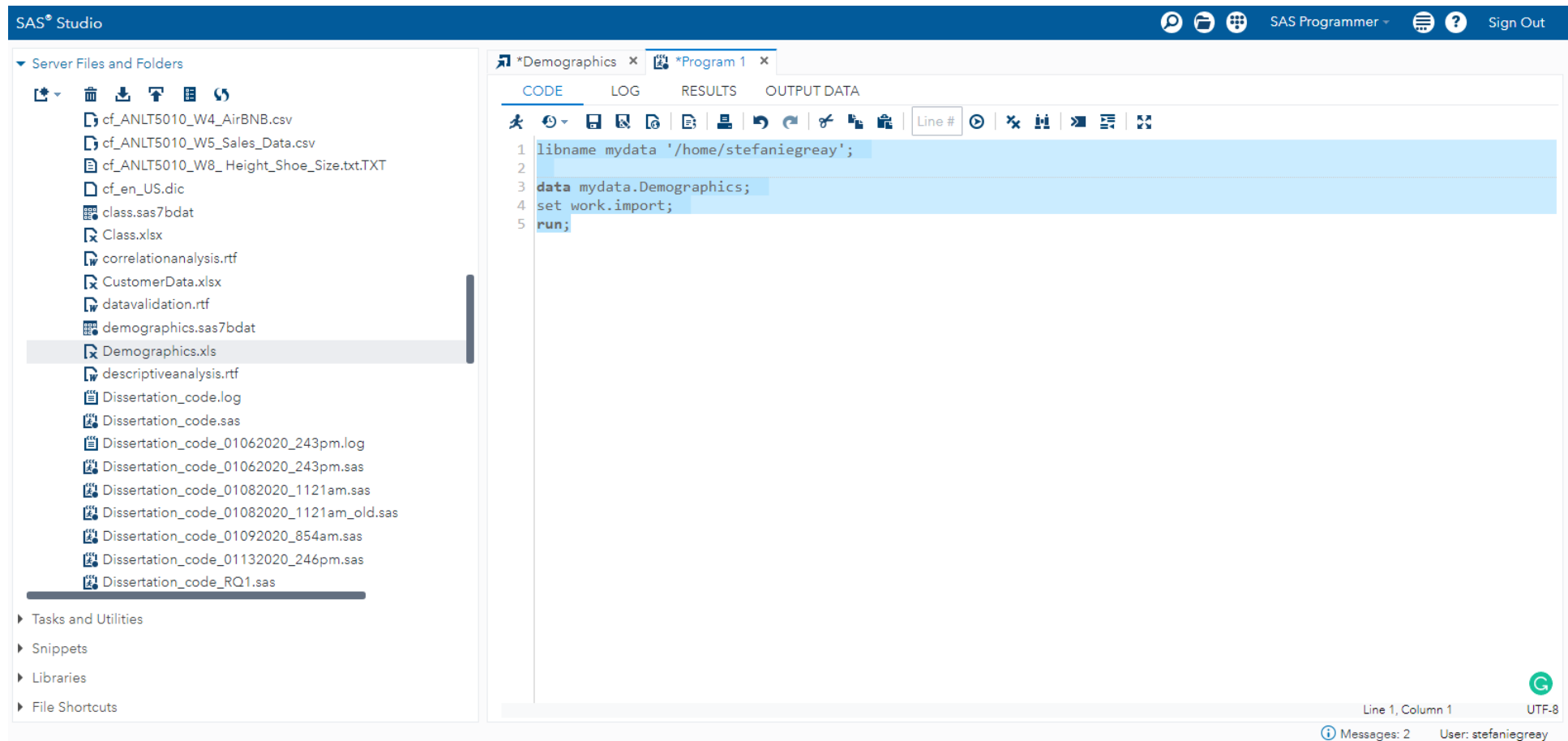
Navigate to the file you just uploaded, right click and select “Import Data”



Run the import code by clicking on the run guy.



Include sample code below to save the dataset you just imported to a permanent dataset.



Sample code to make permanent dataset

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

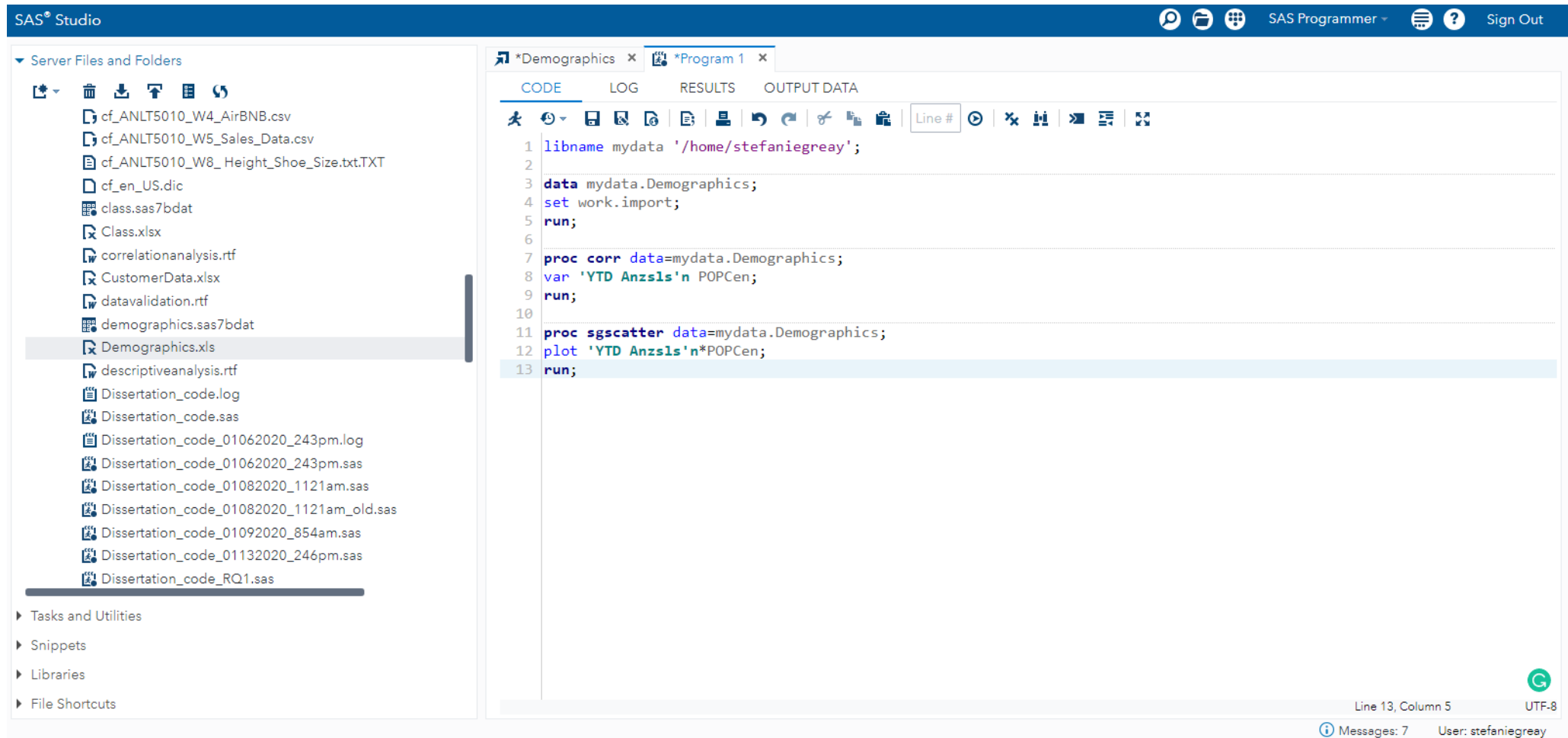
```
data mydata.Demographics;
```

```
set work.import;
```

```
run;
```



Add the proc corr and proc sgscatter code and run by clicking on the run guy.



Sample code

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

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

```
proc corr data=mydata.Demographics;  
var 'YTD Anzsls'n POPCen;  
run;
```

```
proc sgscatter data=mydata.Demographics;  
plot 'YTD Anzsls'n*POPCen;  
run;
```



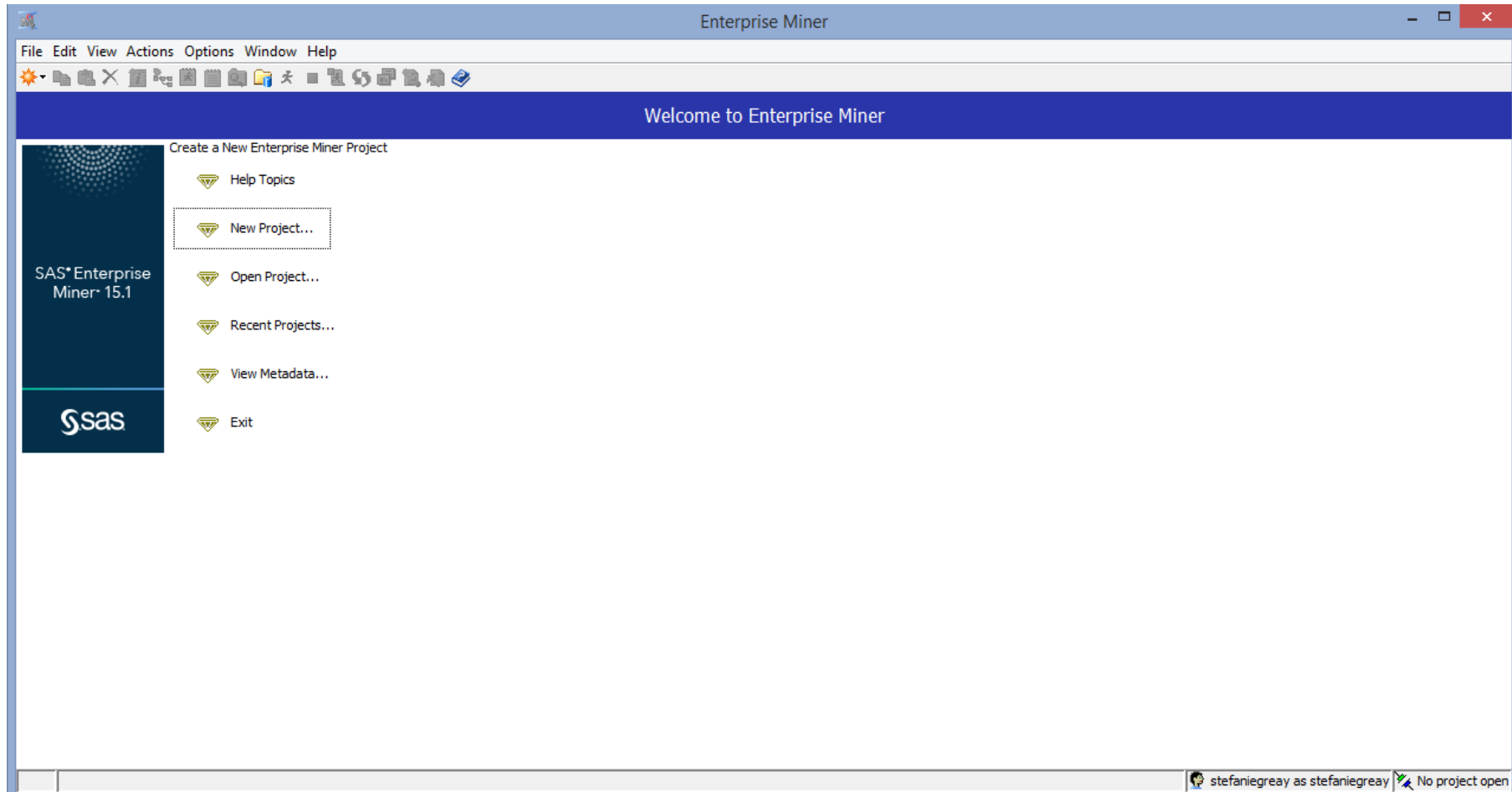
SAS Enterprise Miner Instructions

The following slides provide instructions on how to complete this task in SAS Enterprise Miner.

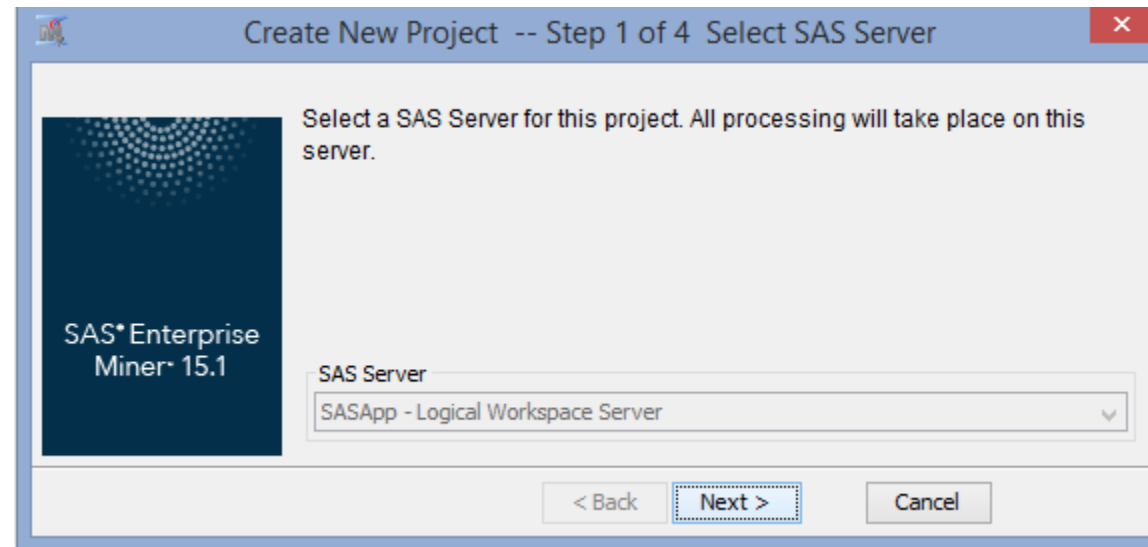
It is easier to work with the data as a csv file in SAS Enterprise Miner, so first, save the .xls file as a csv file, then proceed.



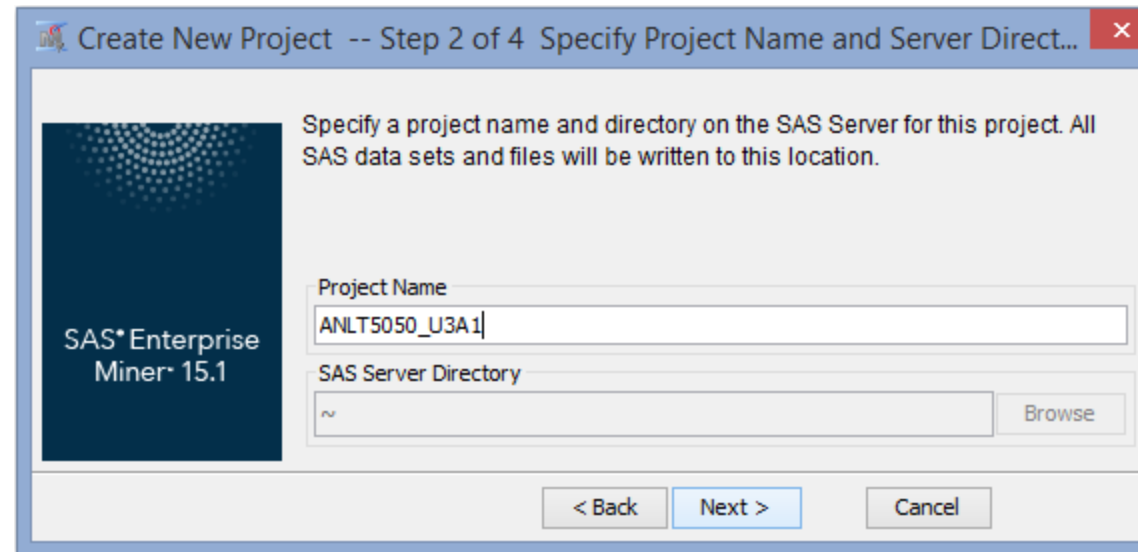
Run the import code by clicking on the run guy.



Click “Next>” to use the default SAS Server



Enter a project name and click “Next>”



Create New Project -- Step 2 of 4 Specify Project Name and Server Direct...

Specify a project name and directory on the SAS Server for this project. All SAS data sets and files will be written to this location.

SAS*Enterprise Miner 15.1

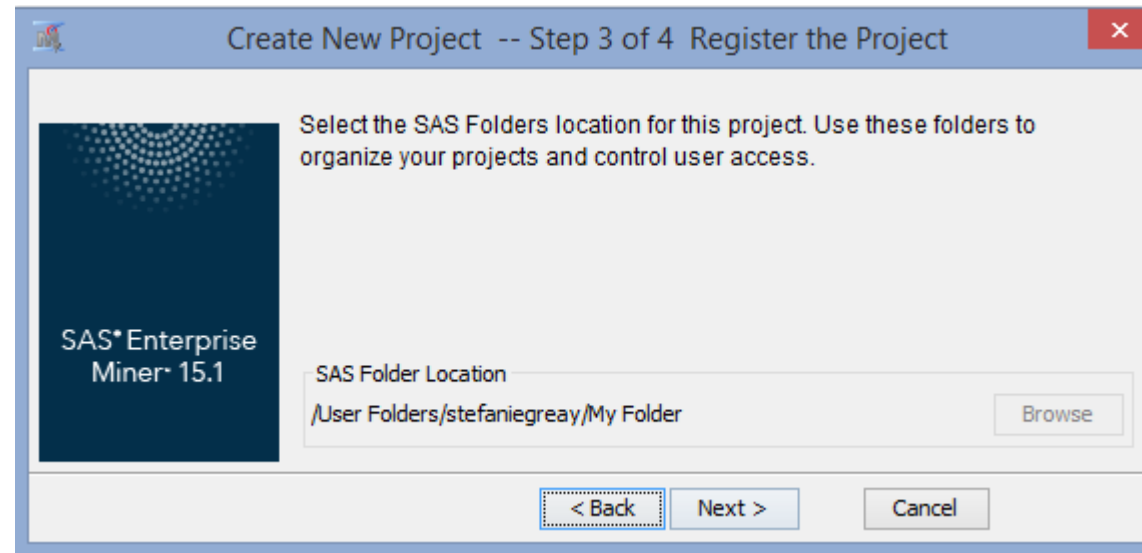
Project Name
ANLT5050_U3A1

SAS Server Directory
~ Browse

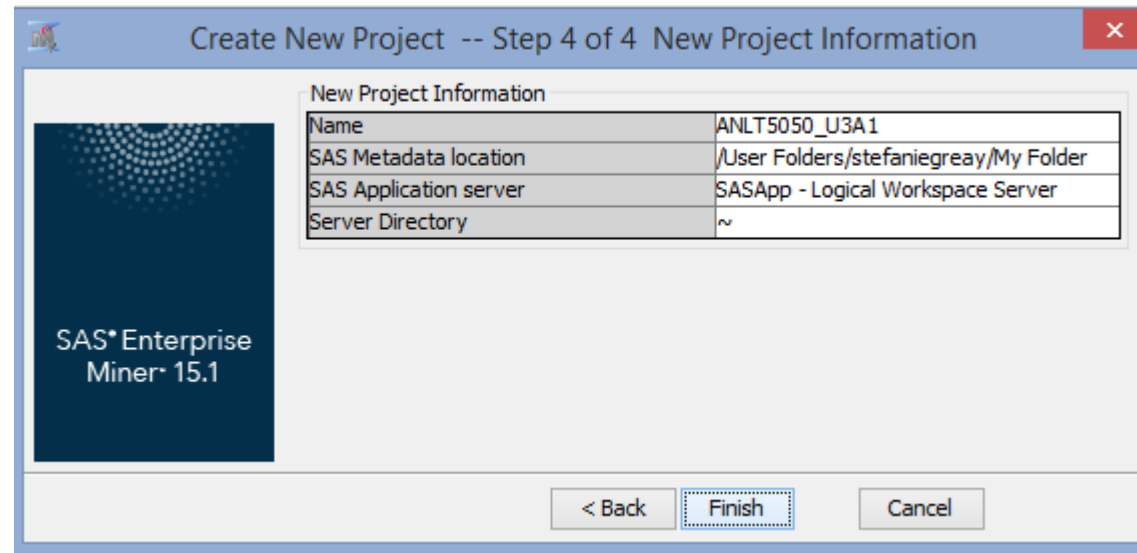
< Back Next > Cancel



Click “Next>”



Verify your entries and click “Finish”



Create New Project -- Step 4 of 4 New Project Information

New Project Information

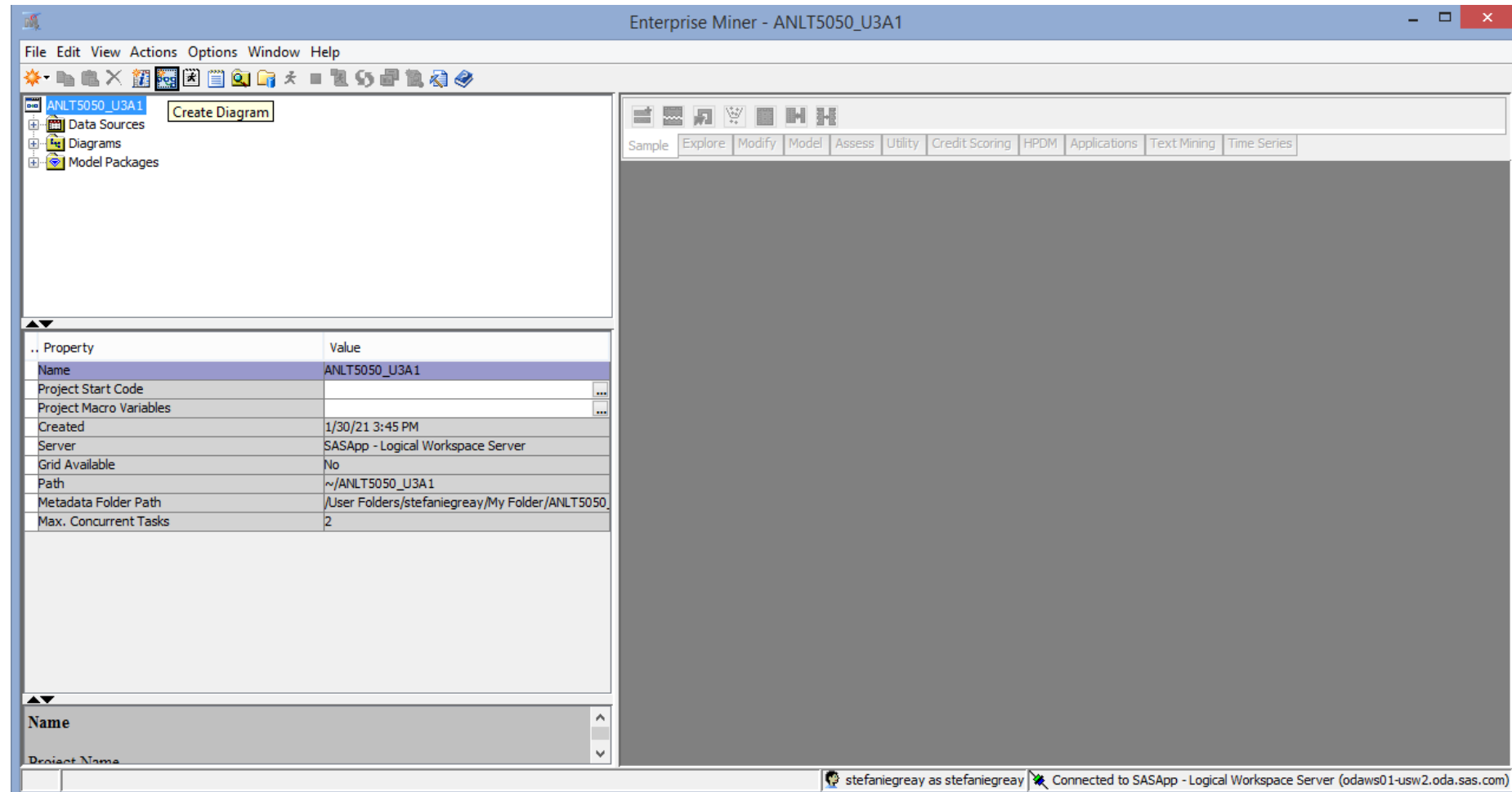
Name	ANLT5050_U3A1
SAS Metadata location	/User Folders/stefaniegreay/My Folder
SAS Application server	SASApp - Logical Workspace Server
Server Directory	~

SAS® Enterprise Miner® 15.1

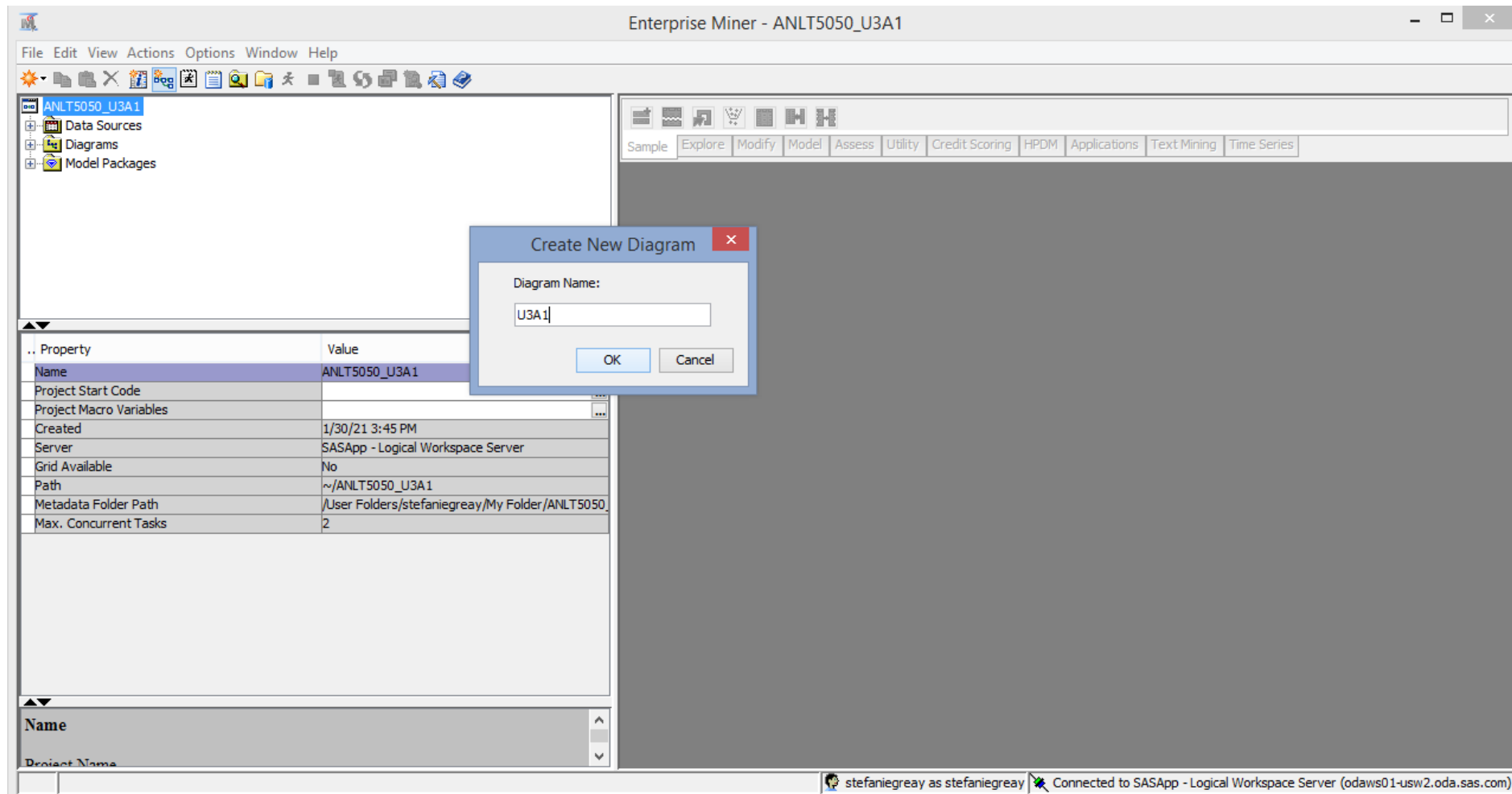
< Back Finish Cancel



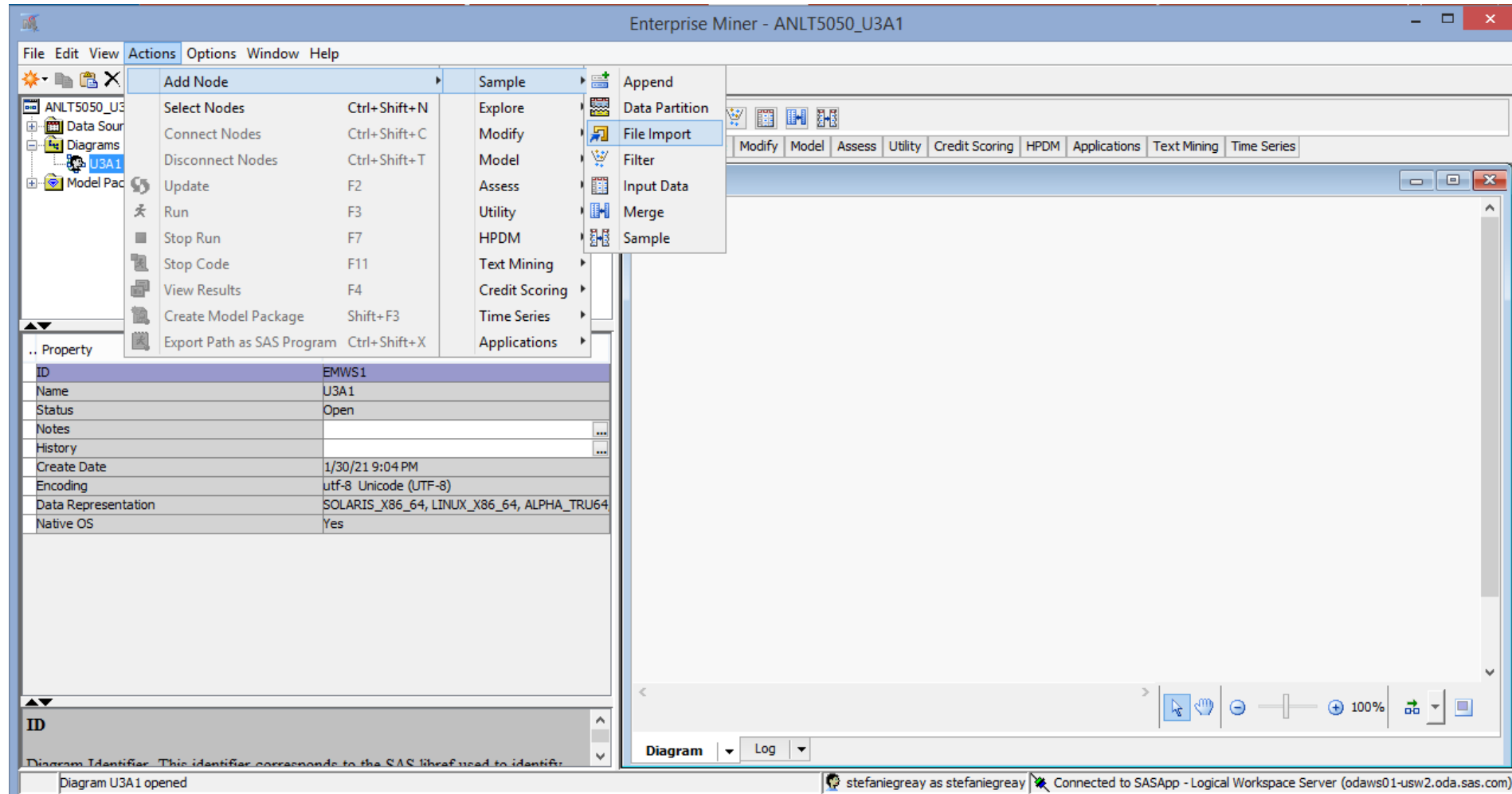
Click on the “Create Diagram” icon.



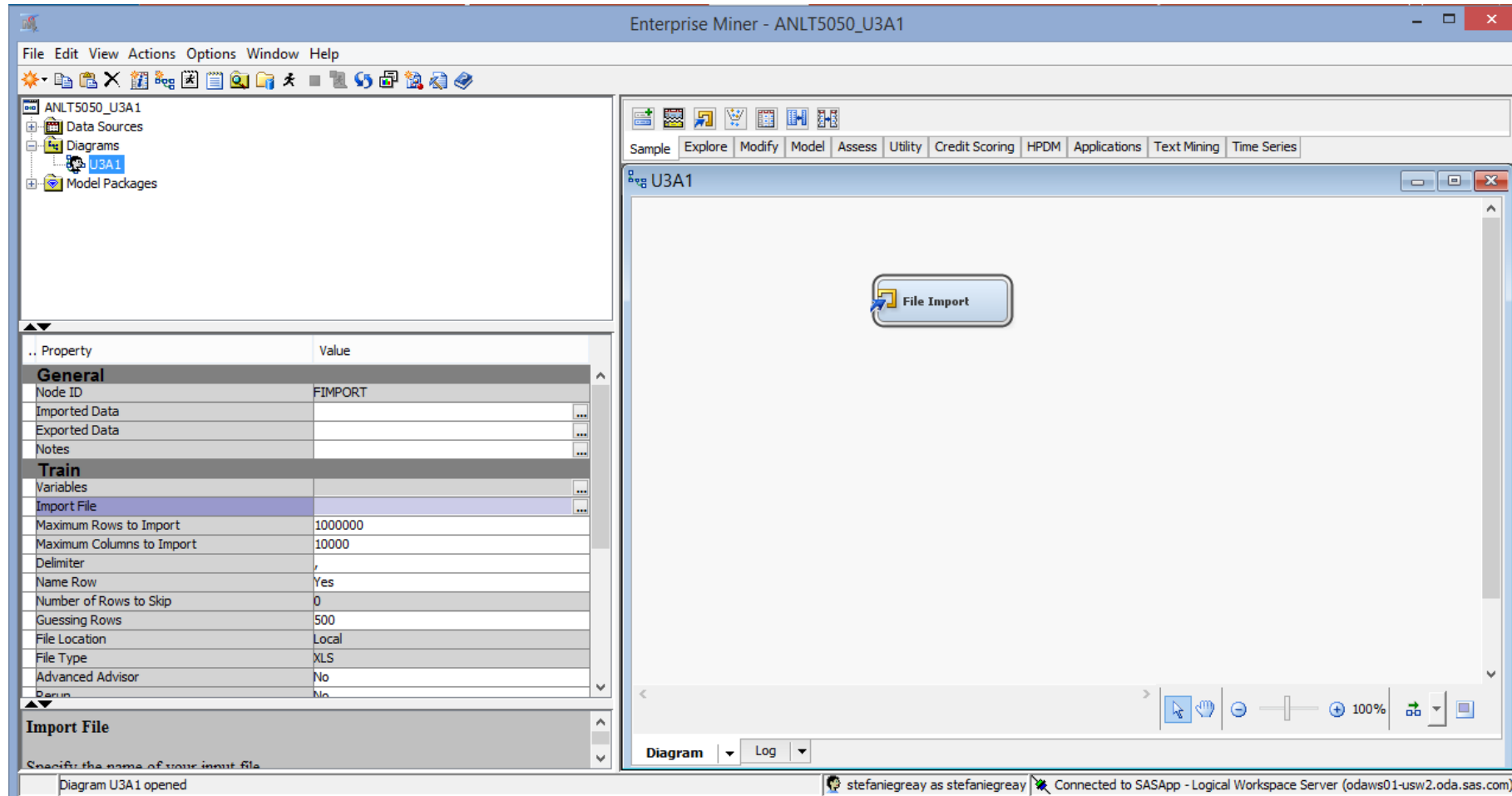
Name your diagram and click “OK.”



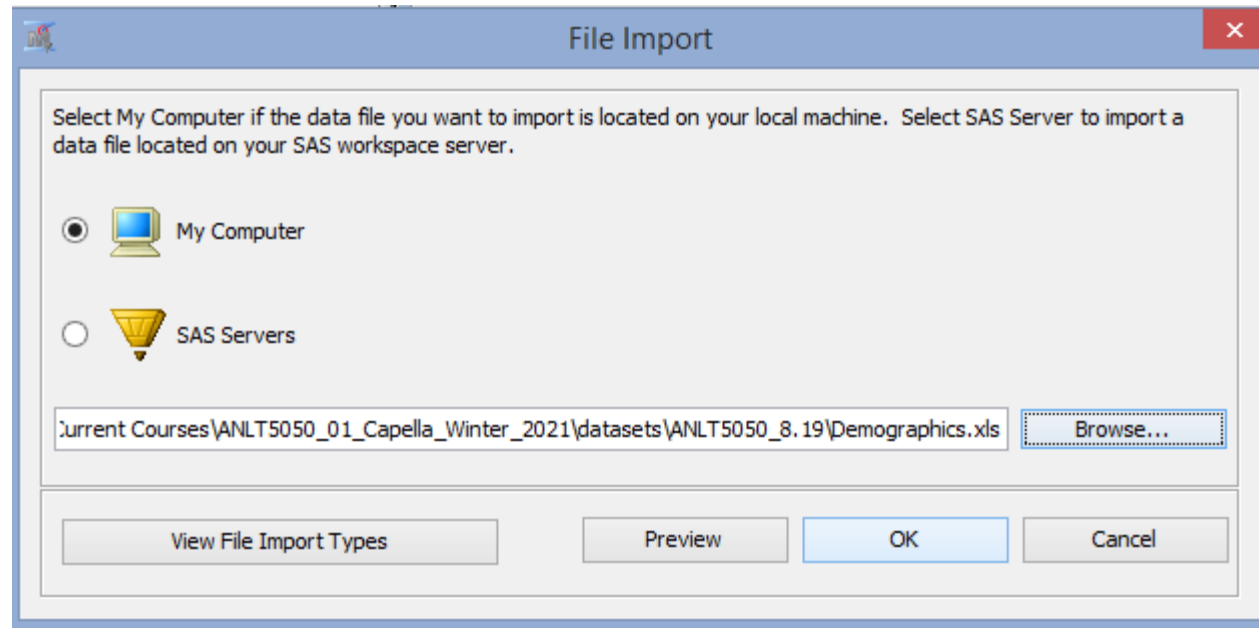
Click on Actions>Add Node>Sample>File Import



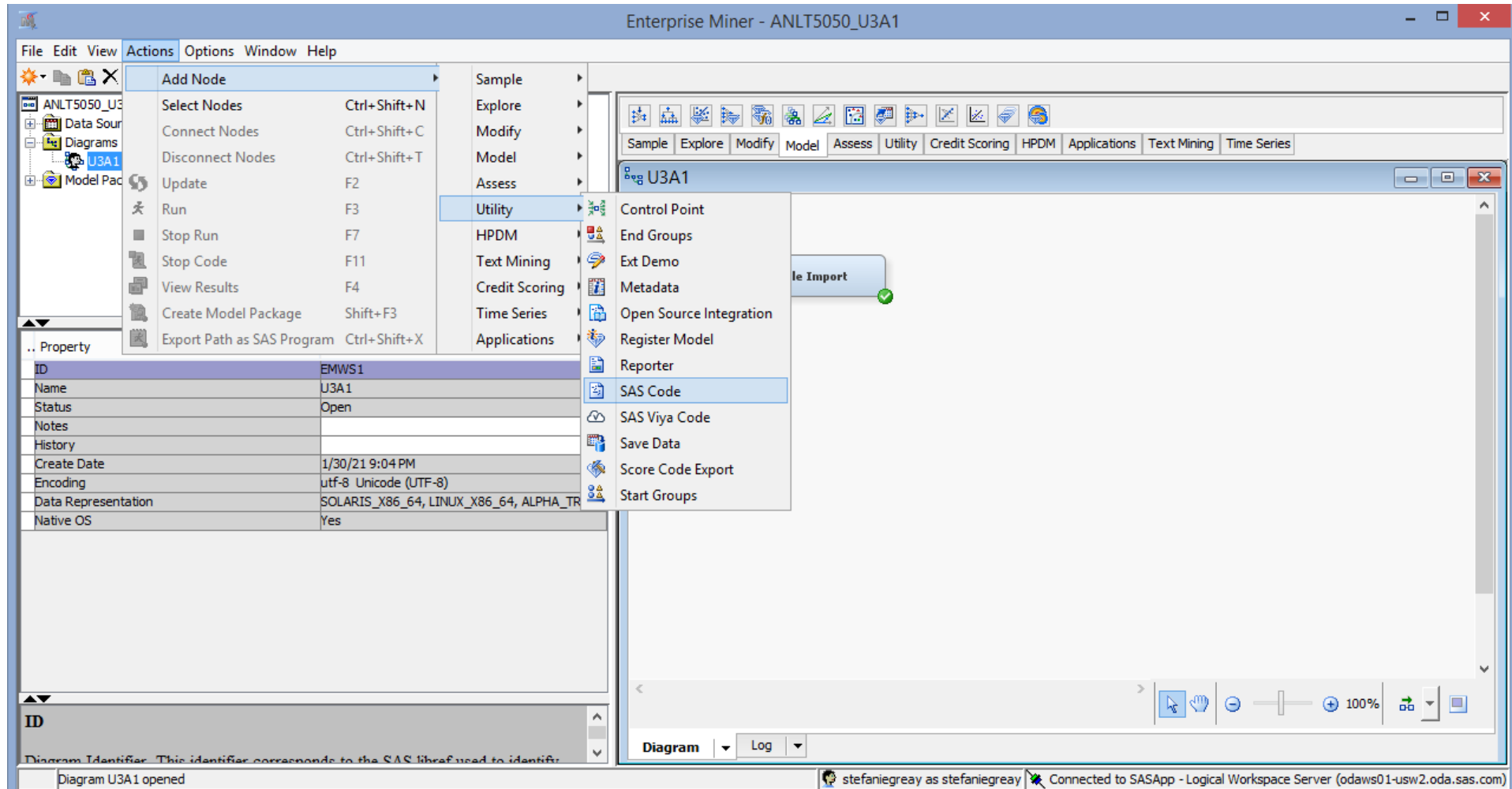
Click the ellipses (3 dots) next to “Import File.”



Navigate to your file and click “OK.”



Click on Actions>Add Node>Utility>SAS Code.



Connect the nodes, and click on the elipses next to “Code Editor.”

The screenshot displays the SAS Enterprise Miner interface for a project named 'ANLT5050_U3A1'. The main workspace shows a workflow diagram with two nodes: 'File Import' and 'SAS Code', connected by a directed arrow. The 'File Import' node has a green checkmark, indicating it is active or successful. The 'SAS Code' node is represented by a document icon.

On the left side, a tree view shows the project structure with 'Data Sources', 'Diagrams', 'U3A1', and 'Model Packages'. Below this, a properties table for the selected 'U3A1' diagram is visible.

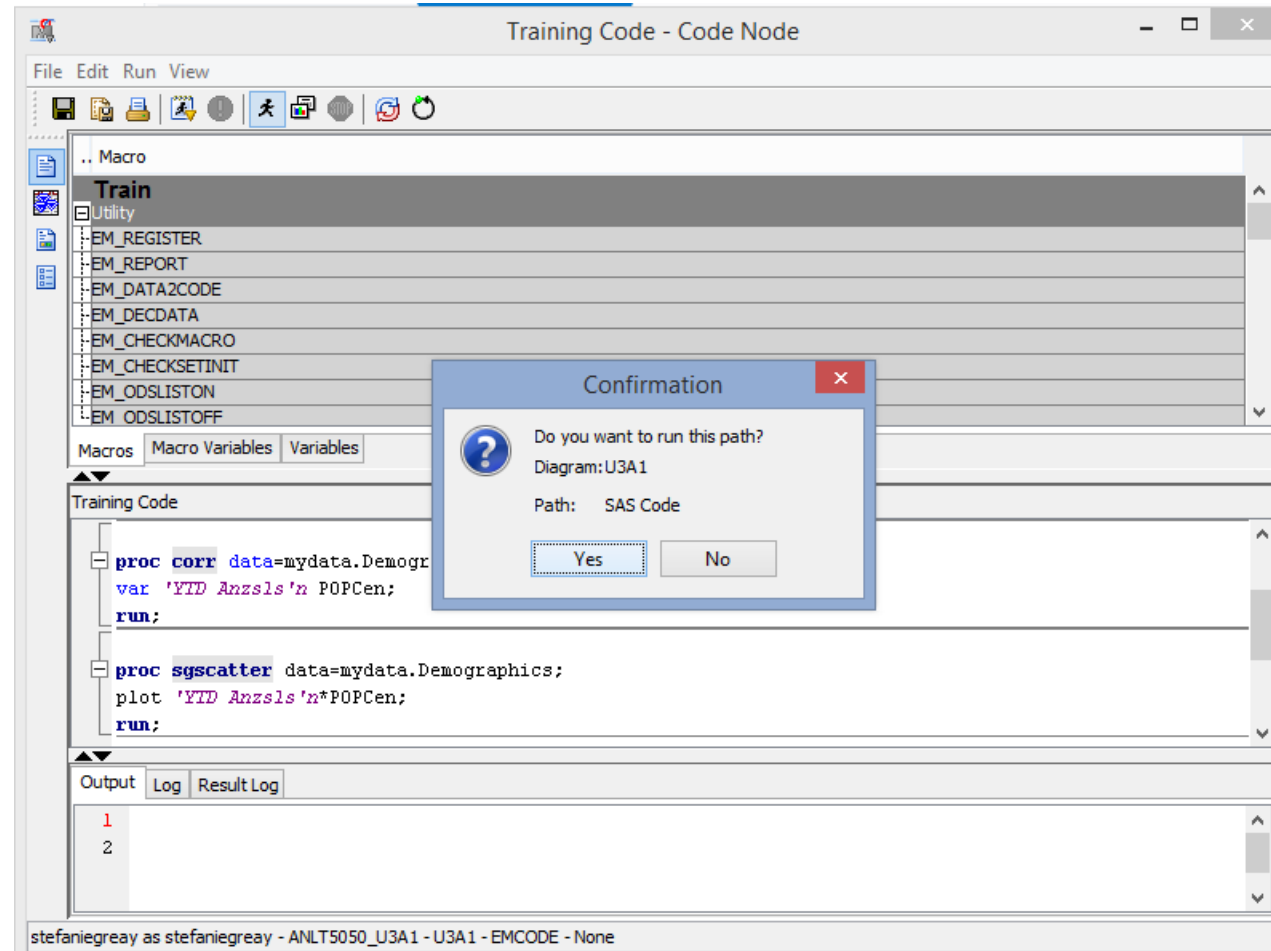
Property	Value
General	
Node ID	EMCODE
Imported Data	...
Exported Data	...
Notes	...
Train	
Variables	...
Code Editor	...
Tool Type	Utility
Data Needed	No
Rerun	No
Use Priors	Yes
Score	
Advisor Type	Basic
Publish Code	Publish
Code Format	DATA step
Status	
Create Time	1/30/21 9:39 PM

At the bottom of the properties table, there is a 'Code Editor' section with the text 'Launches an editor for entering SAS code.' Below this, a status bar indicates 'Diagram U3A1 opened'.

The bottom of the interface shows a user login 'stefaniegray as stefaniegray' and a connection status 'Connected to SASApp - Logical Workspace Server (odaws01-usw2.oda.sas.com)'.



Include the code for proc corr and proc sgscatter and click on the run guy and click “Yes” to run this code.



Sample code

```
proc corr data=EMWS1.FIMPORT_DATA;  
var YTD_Anzsls POPCen;  
run;
```

For the scatterplot, you will need to use the “Graph Explore” node in SAS Enterprise Miner.

