ANLT5070

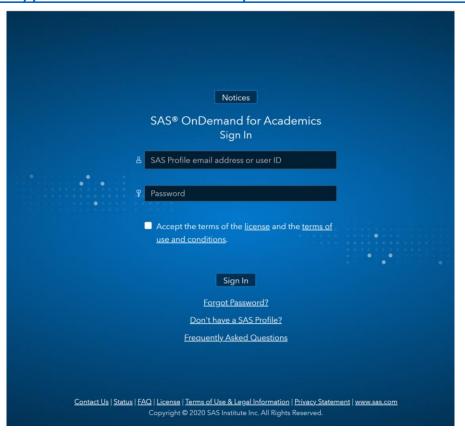
Unit 8 Assignment 1 Tutorial





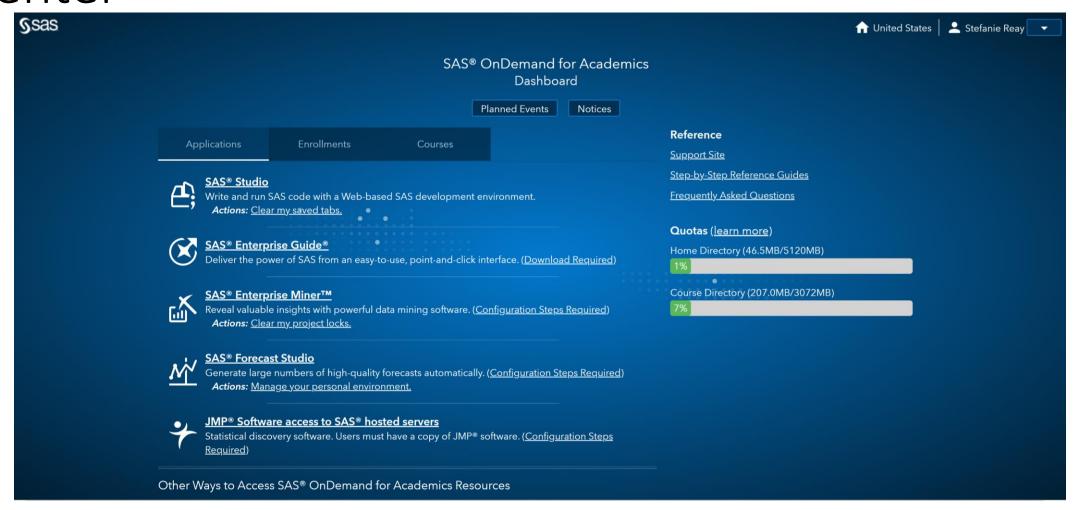
Access the SAS OnDemand for Academics Control Center

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





SAS OnDemand for Academics (SODA) Control Center







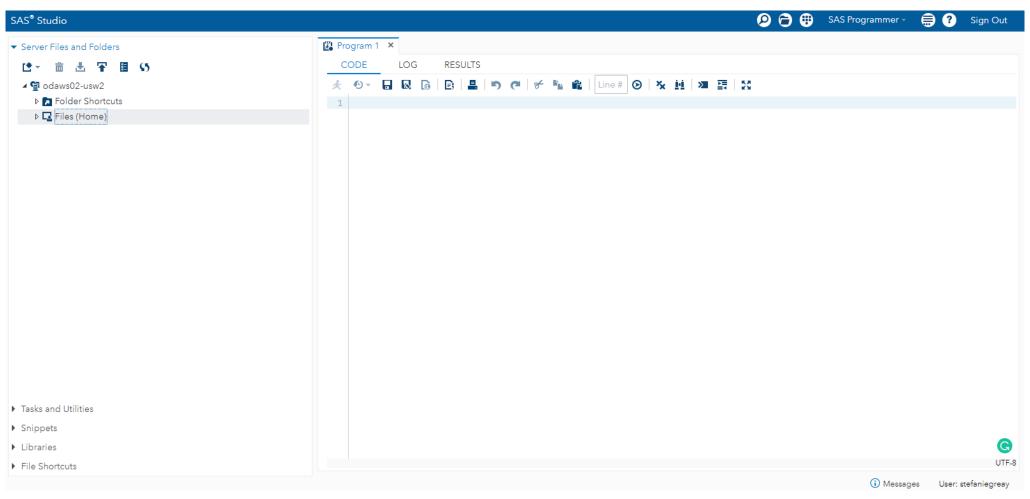
Open the csv file and save it as xlsx format.

If you upload and import the csv file, you will notice that the columns do not all align and that it creates extra rows. This is because the text in some of the fields contains commas, and these are treated as additional delimiters in the import process.

The easiest way to resolve this is to open the csv file in MS Excel (since it is so small, this is perfectly fine), and save it as MS Excel format (i.e. .xlsx extension or format), then upload and import it.



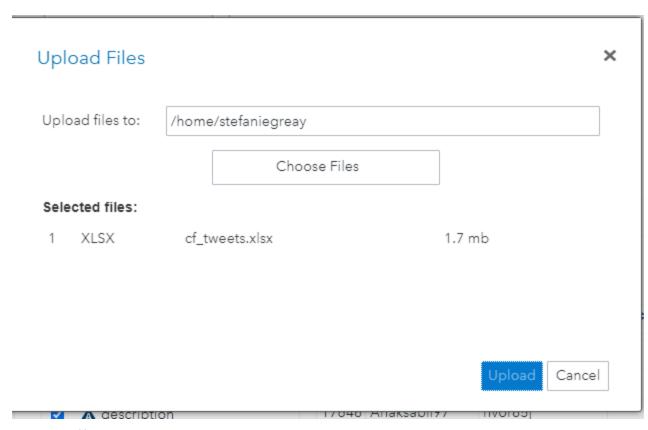
To upload the dataset to the SAS server, open SAS Studio, then click on "Files (Home)" and click the upload button.

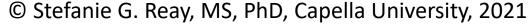






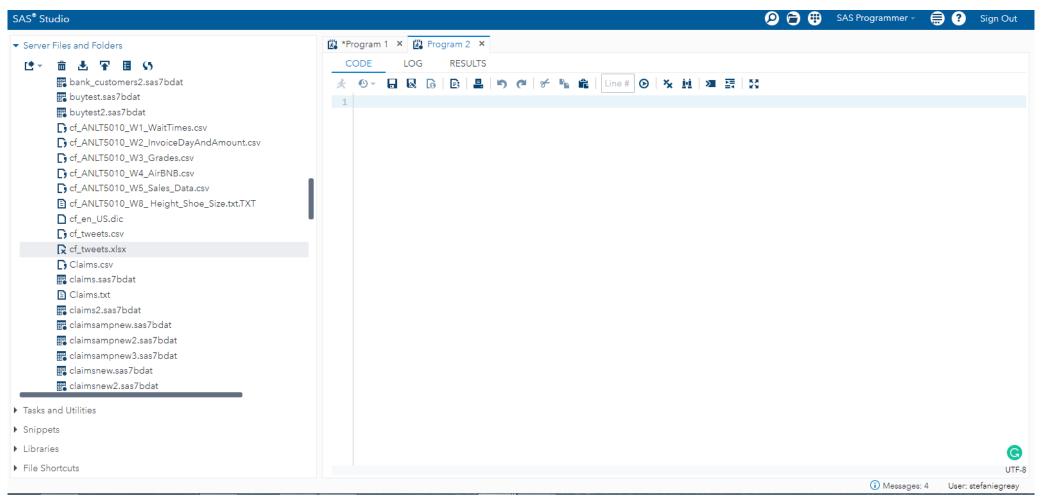
Click on "Choose Files" to browse to the file you want to upload, then click "Upload."

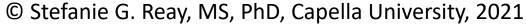






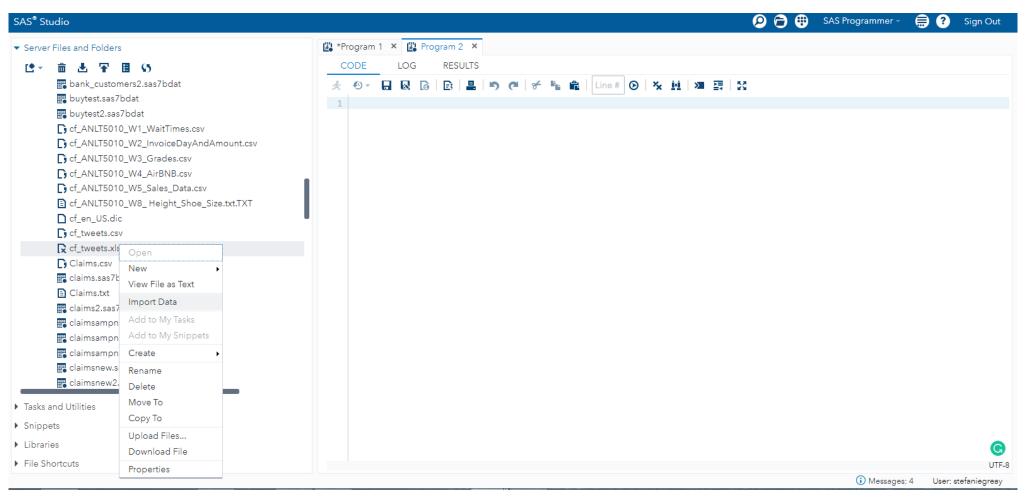
Verify that the upload was successful by scrolling down in your Files(Home) area.







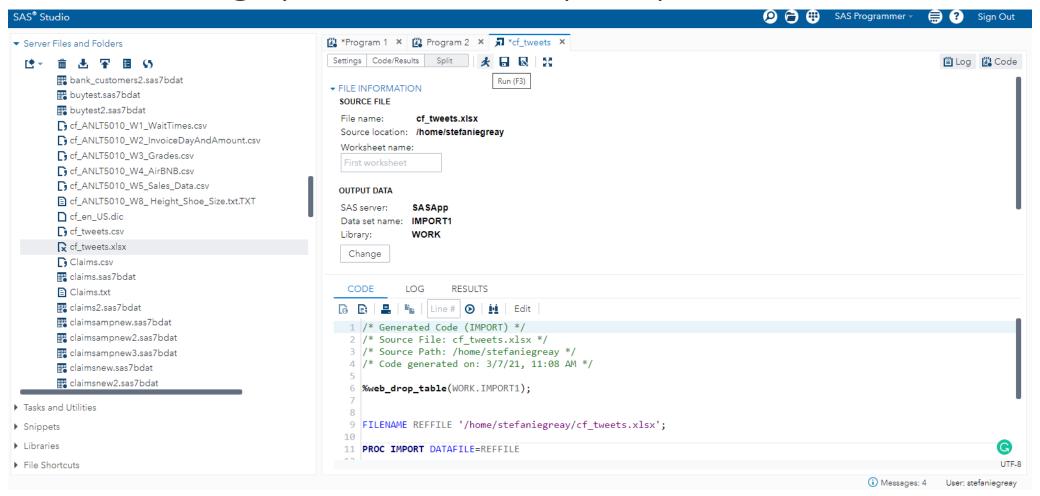
Right click on the cf_tweets.xlsx file and choose "Import Data."





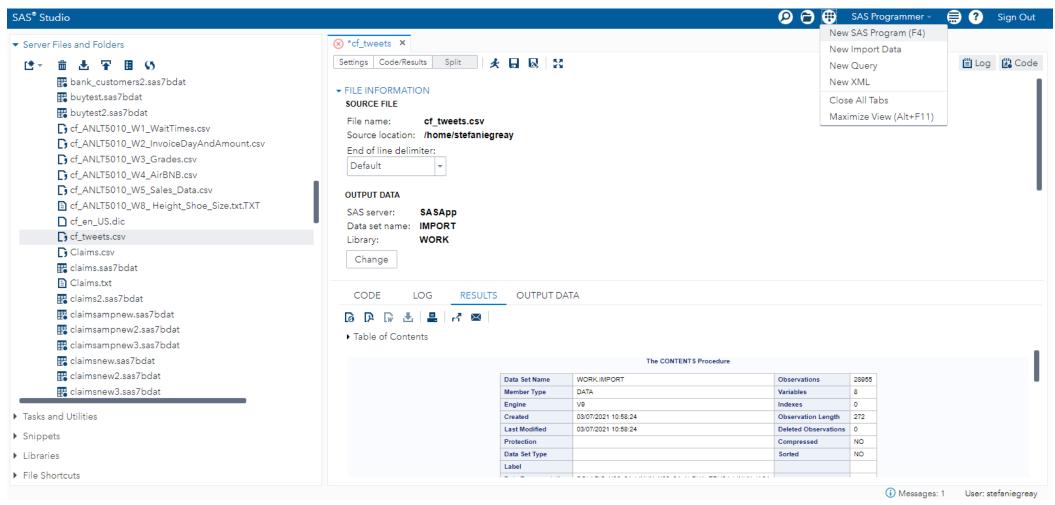


Click the run guy to run the import process.



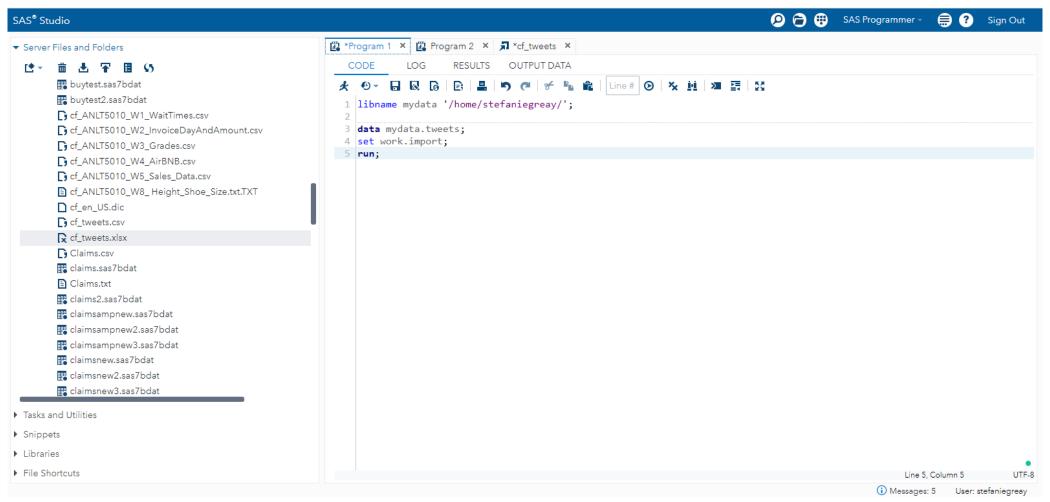


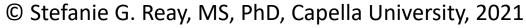
Open a new SAS program.





Write a libname statement and data step to save the imported data into a permanent dataset (and run it).





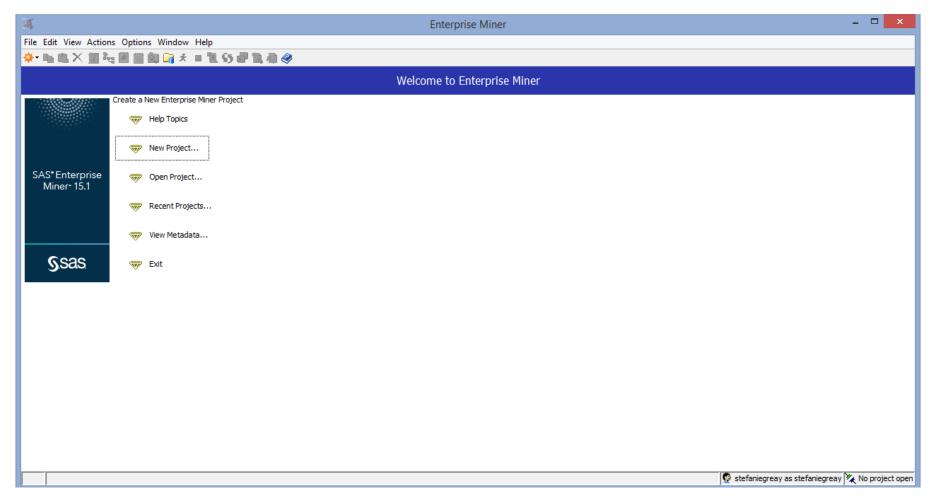


SAS Enterprise Miner Instructions

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

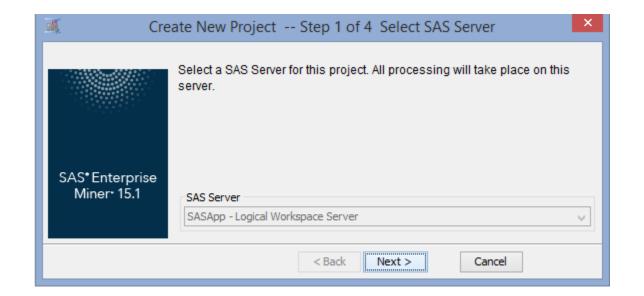
Once you have uploaded the dataset for this unit onto the SAS servers using SAS Studio, you may proceed from here using SAS Enterprise Miner.

Once you download and start SAS Enterprise Miner, open a new project by clicking on "New Project."



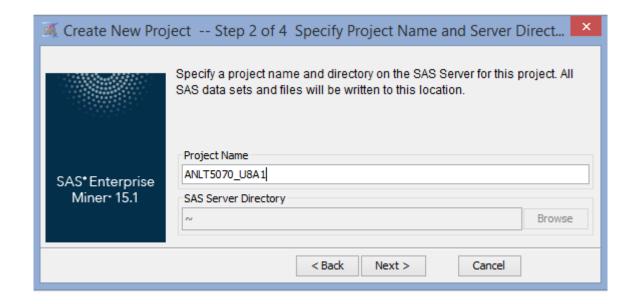


Click "Next>" to use the default SAS Server



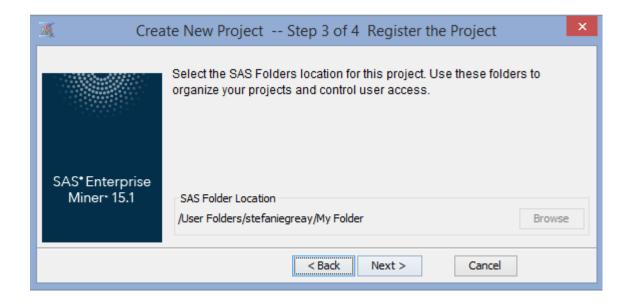


Enter a project name and click "Next>"



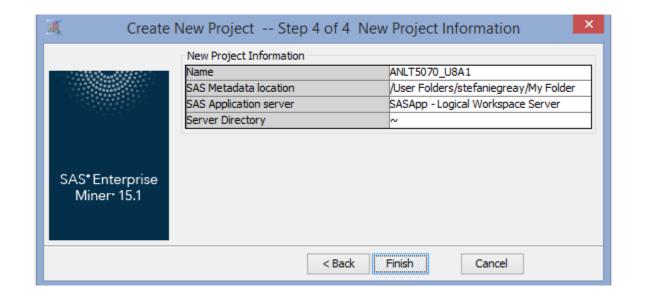


Click "Next>"



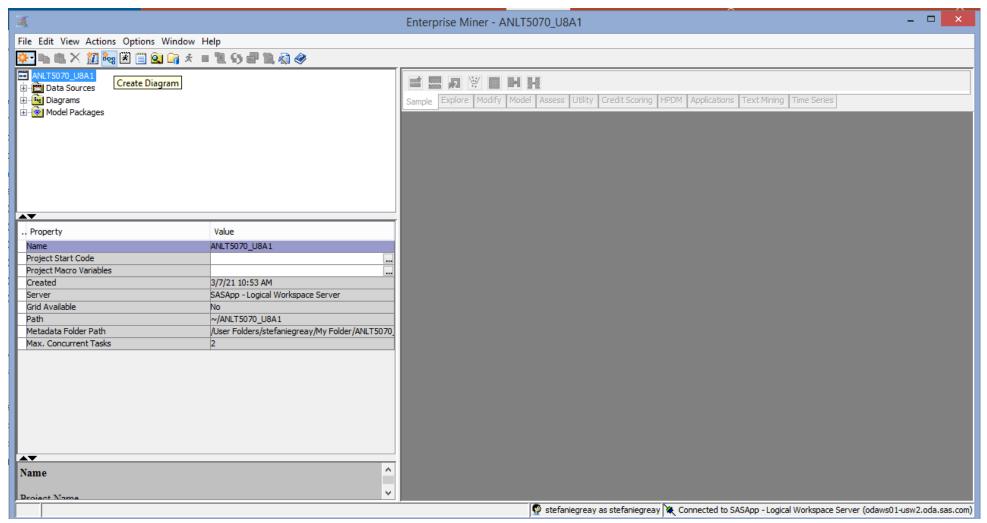


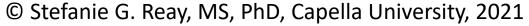
Verify your entries and click "Finish"





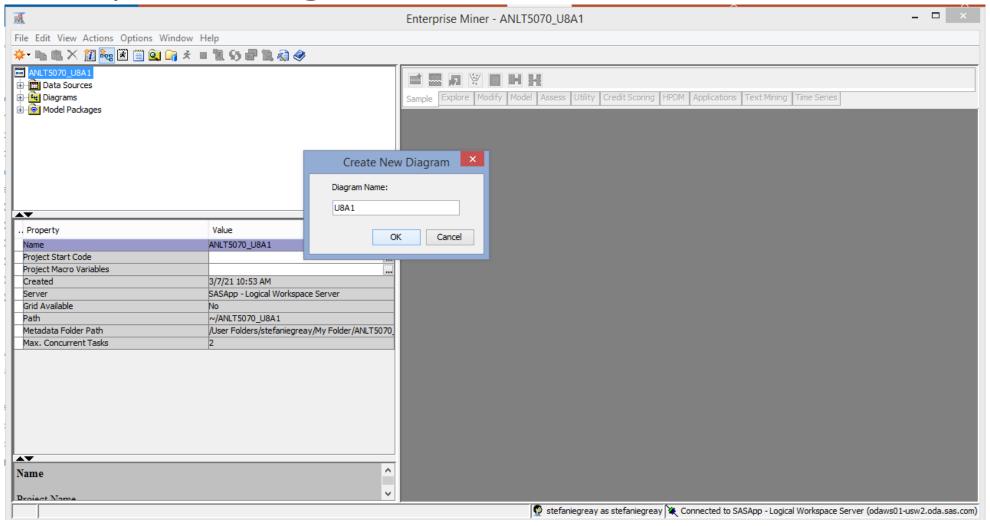
Click on the "Create Diagram" icon.

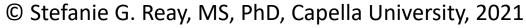






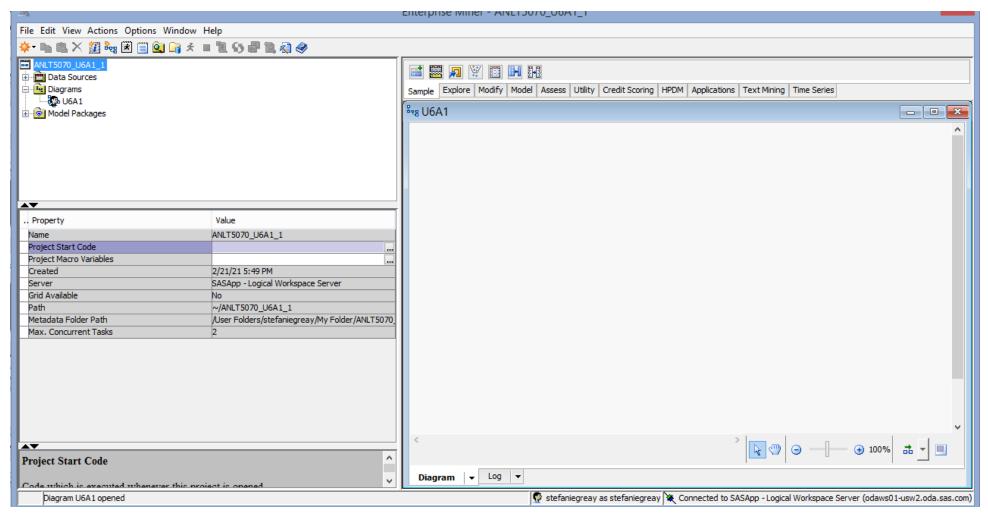
Name your diagram and click "OK."







Click on the project, then click on the ellipses next to "Project Start Code."

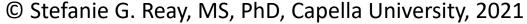






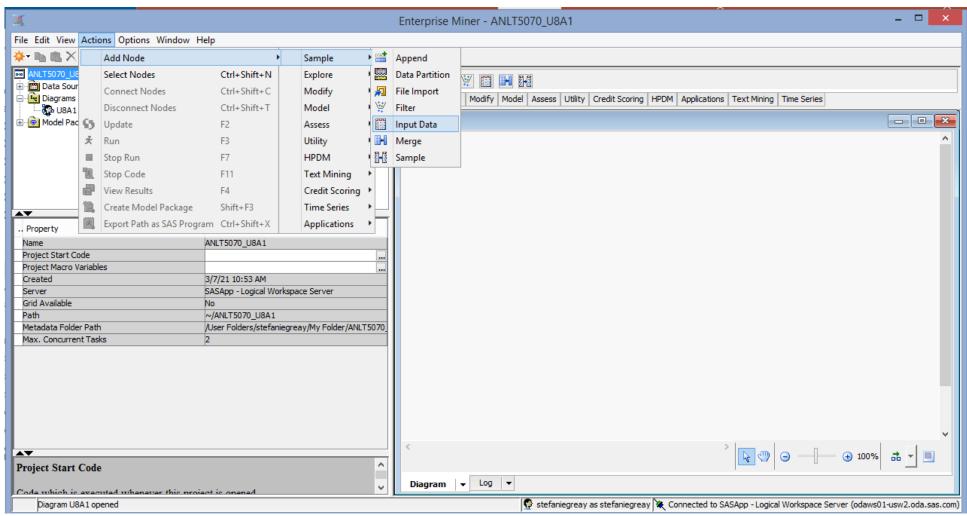
Add the library reference for where you uploaded the dataset in SAS studio, and click "Run Now." Once it completes, click "OK."





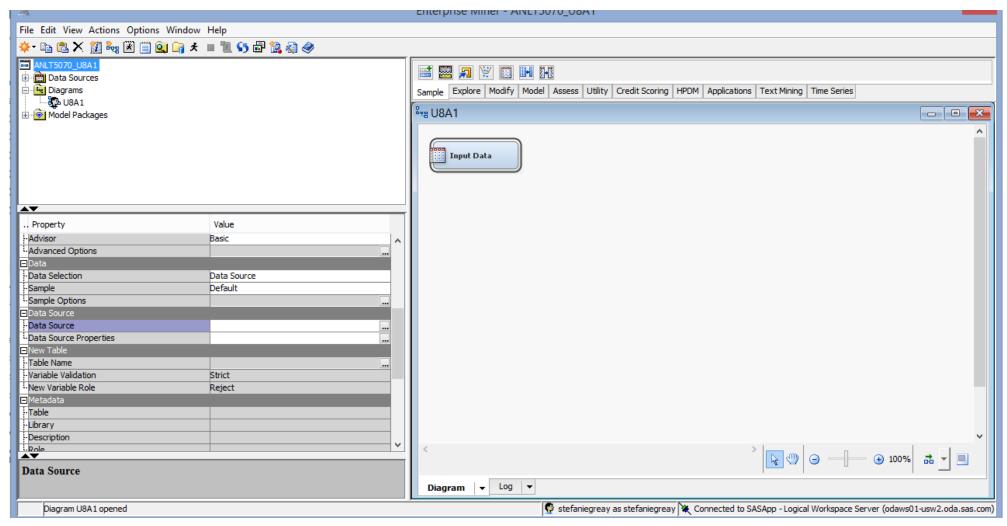


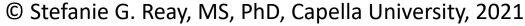
Click on Actions>Add Node>Sample>Input Data





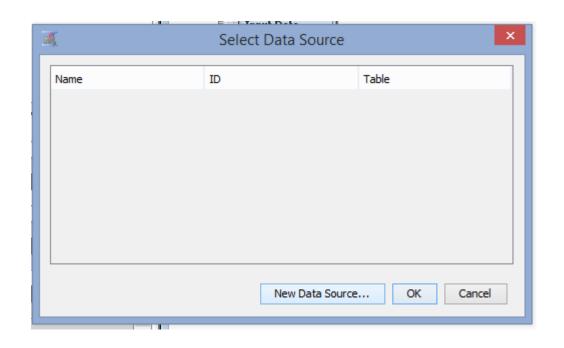
Click the ellipses (3 dots) next to "Data Source."







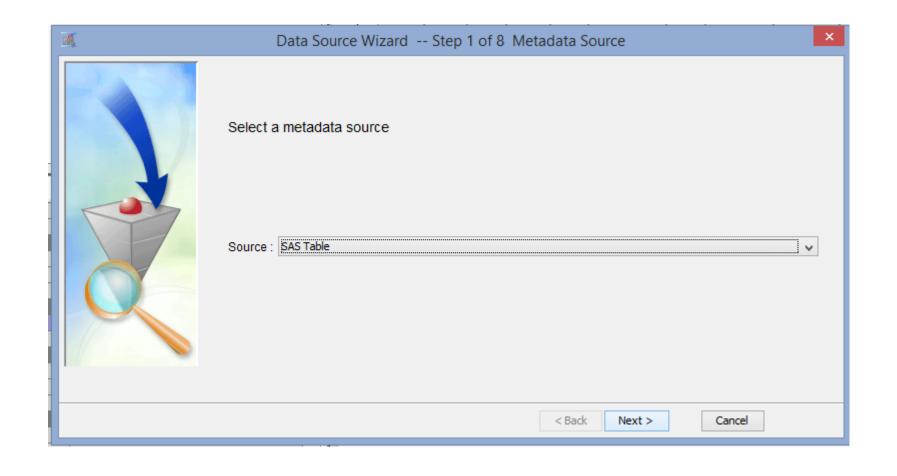
Click on "New Data Source"





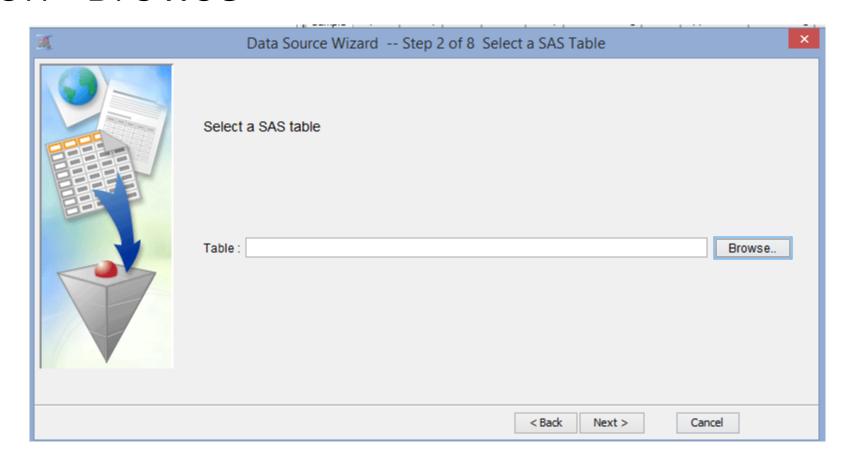


Leave it as "SAS Table" and click "Next >"



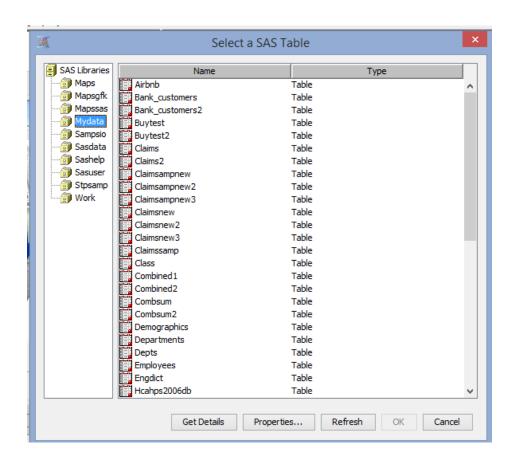


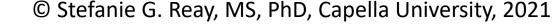
Click on "Browse"





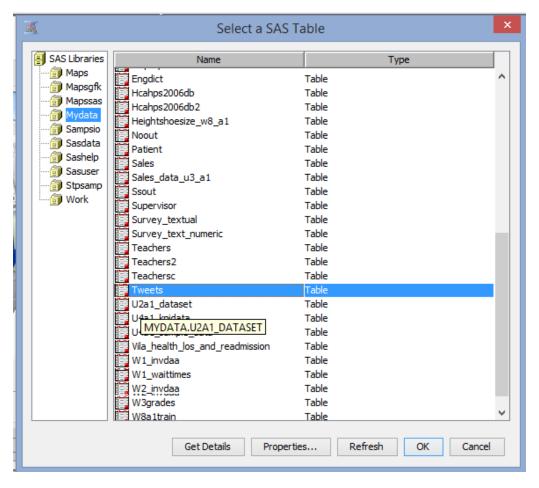
Double click on the libname you just set up in the project startup code.







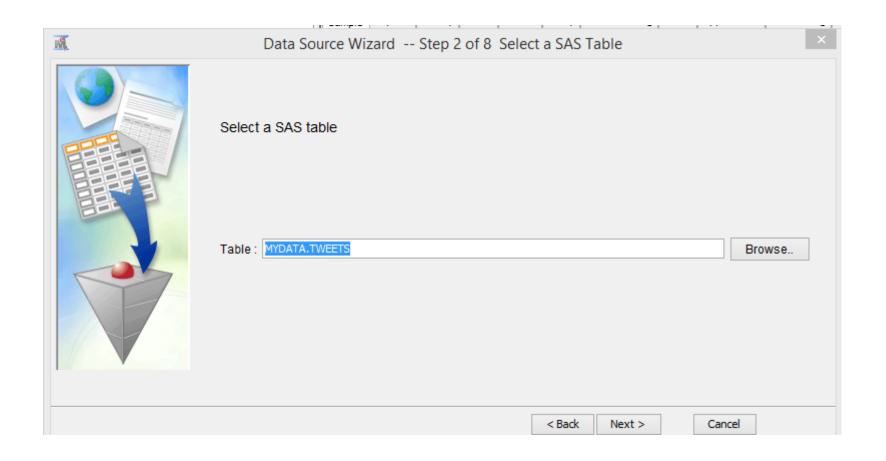
Double click to select the dataset for this unit, and click "OK"





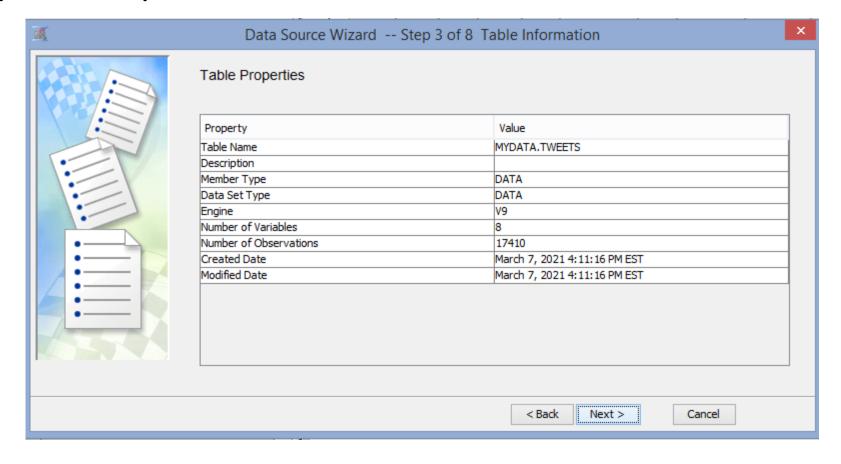


Click "Next>"



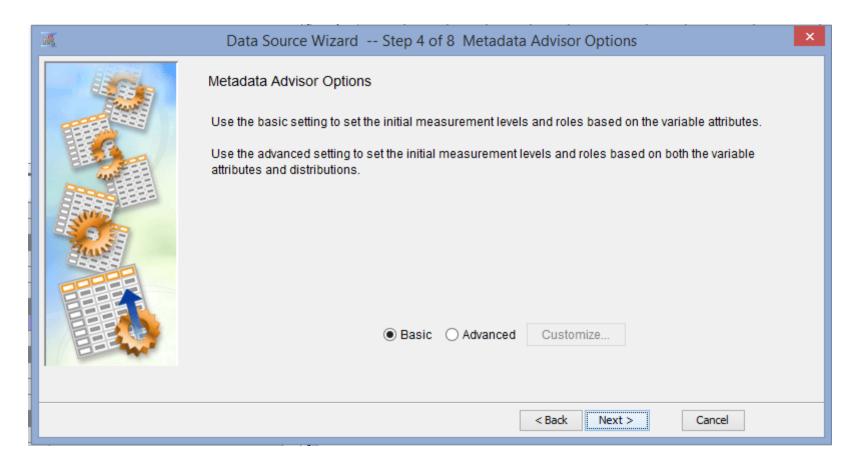


Verify the options and click "Next>"



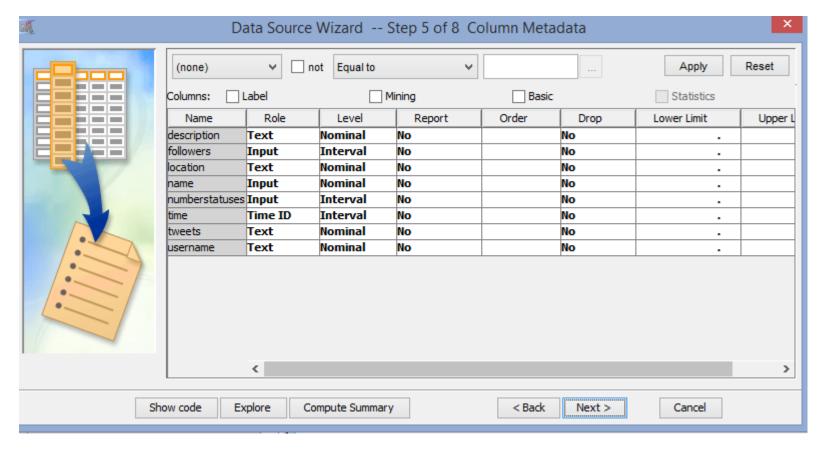


Click "Next>"



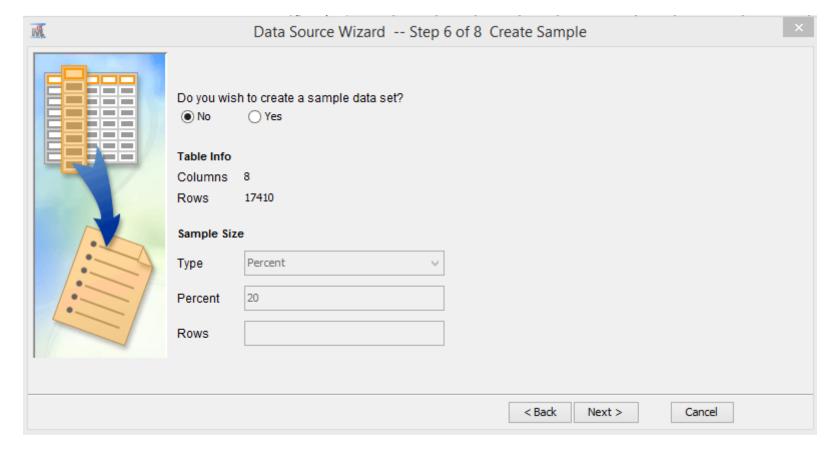


Verify the variables and settings, adjust if necessary, and then click "Next>"



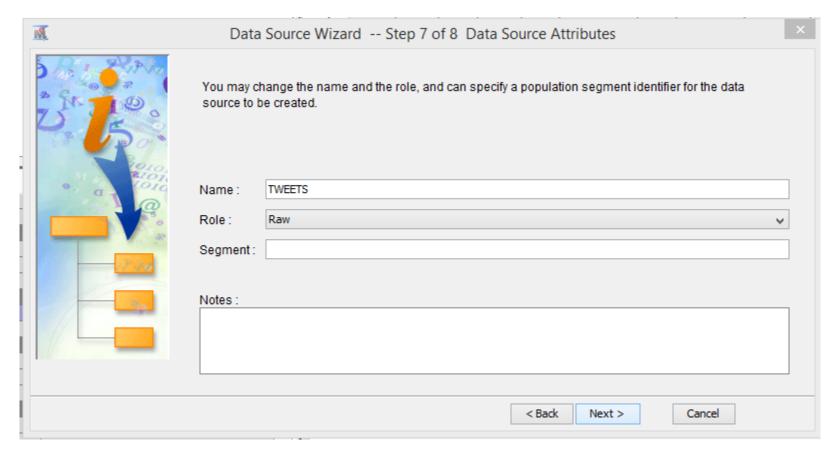


You may choose to sample the dataset here, or just keep the full dataset, then click "Next>"



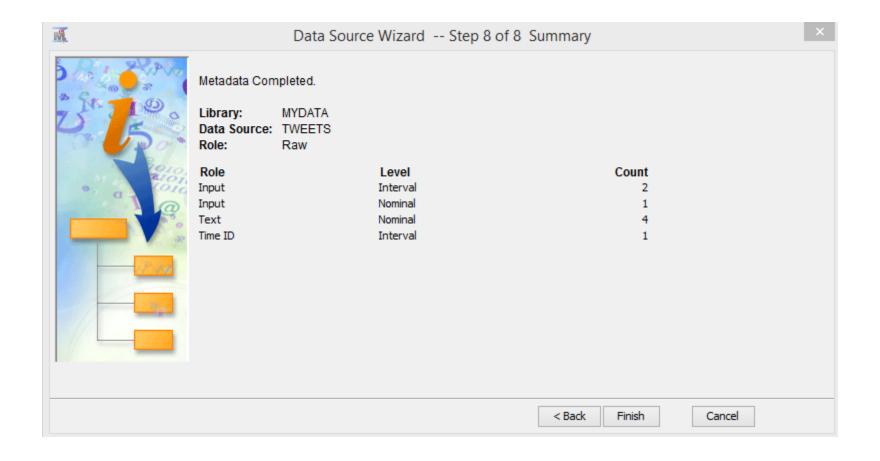


You may choose to adjust the role of the dataset, or leave it as the default, then click "Next>"



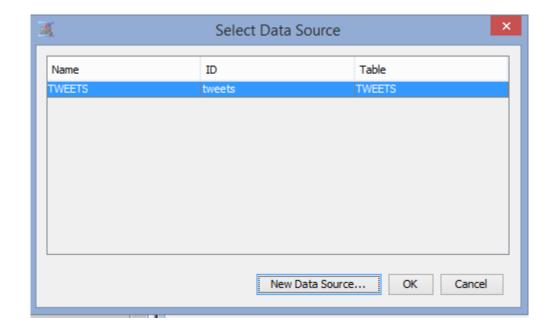


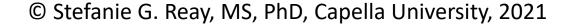
Click "Finish" to finish the data source registration within EM.





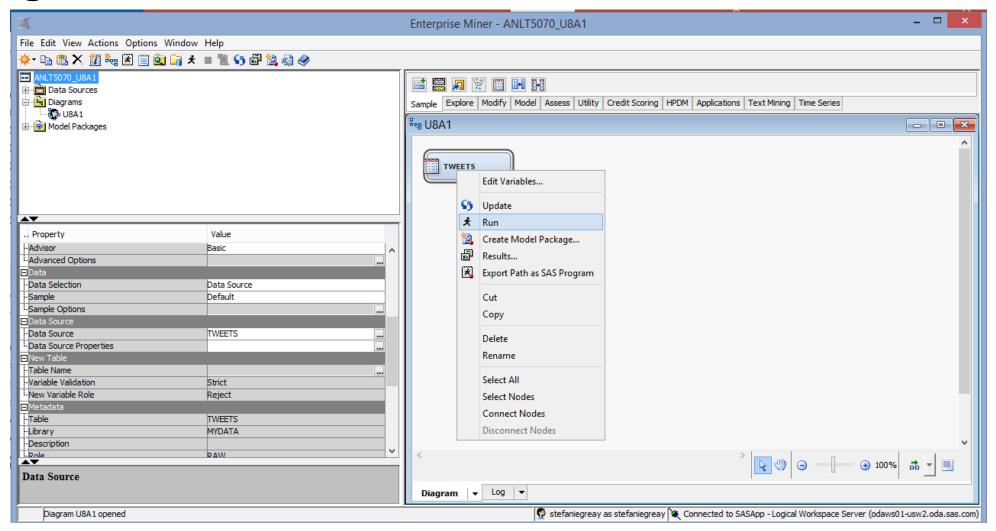
Click "OK" to complete the process. The name of the node should then change to the name of the dataset.

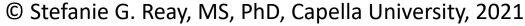






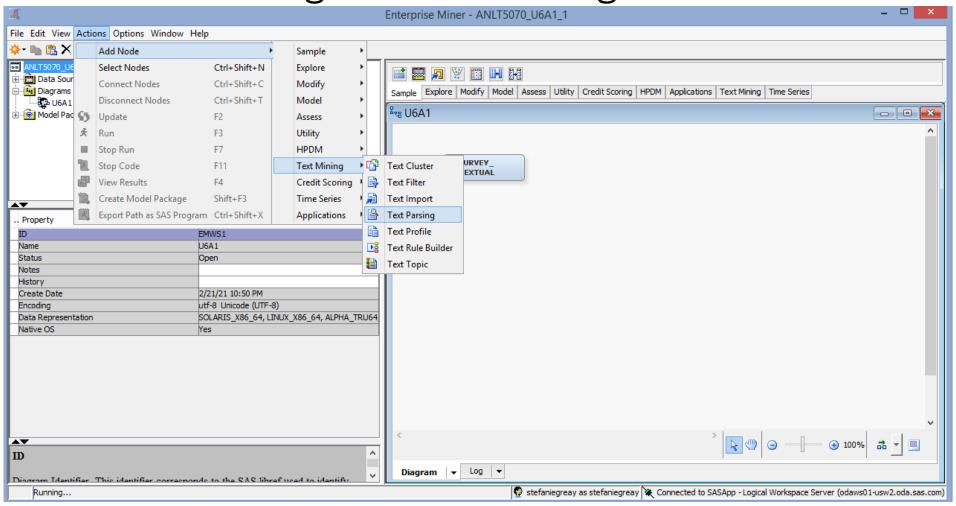
Right click on the dataset node and click "Run."





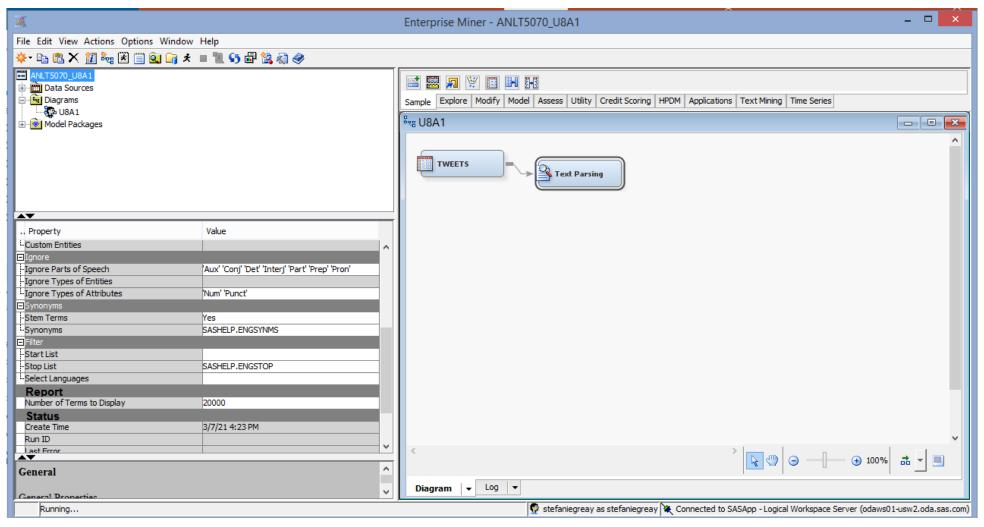


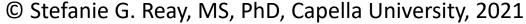
To add the Text Parsing node, click on "Actions">"Add Node">"Text Mining">"Text Parsing"





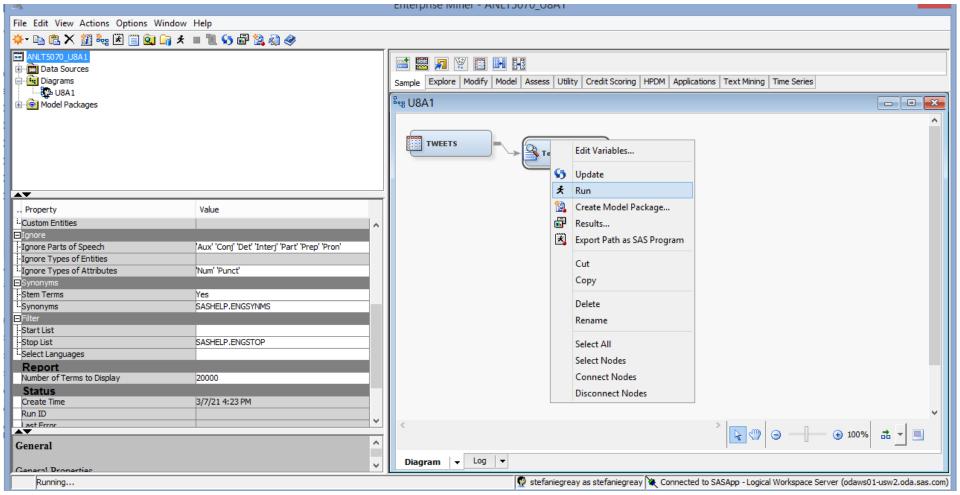
Connect the nodes

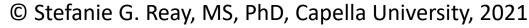






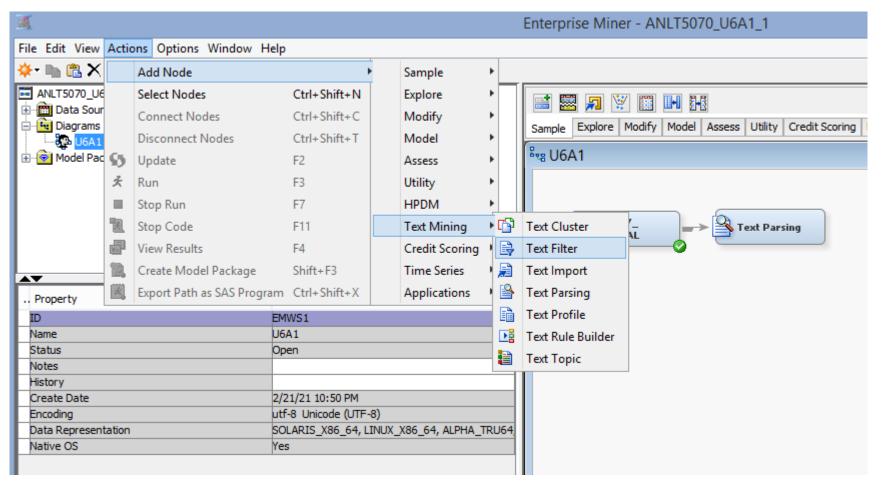
Run the Text Parsing node using the default values by right clicking and selecting "Run."





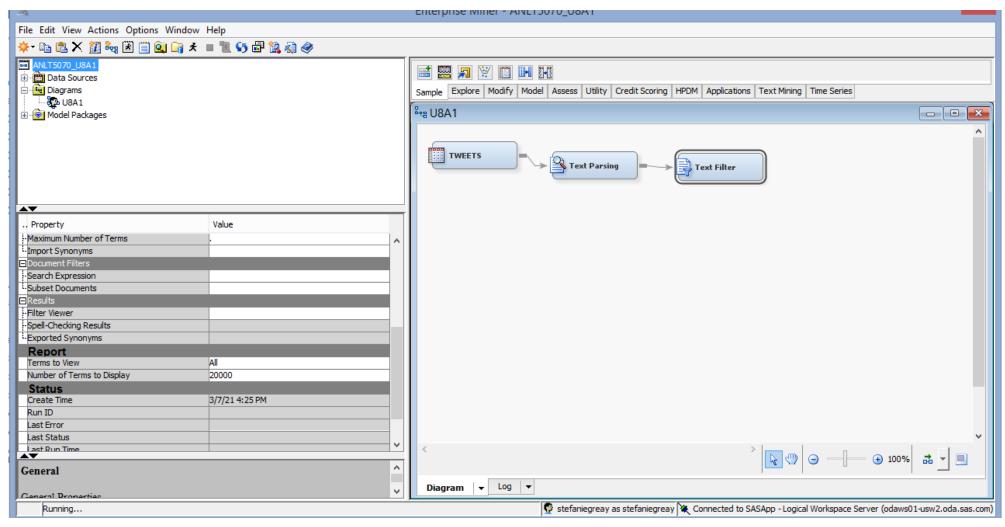


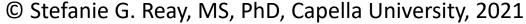
To add the Text Filter node, click on "Actions">"Add Node">"Text Mining">"Text Filter"





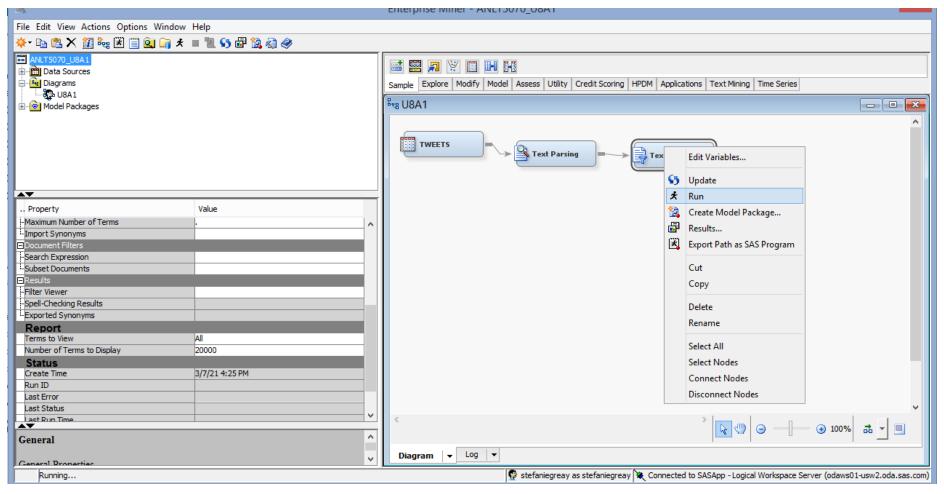
Connect the nodes





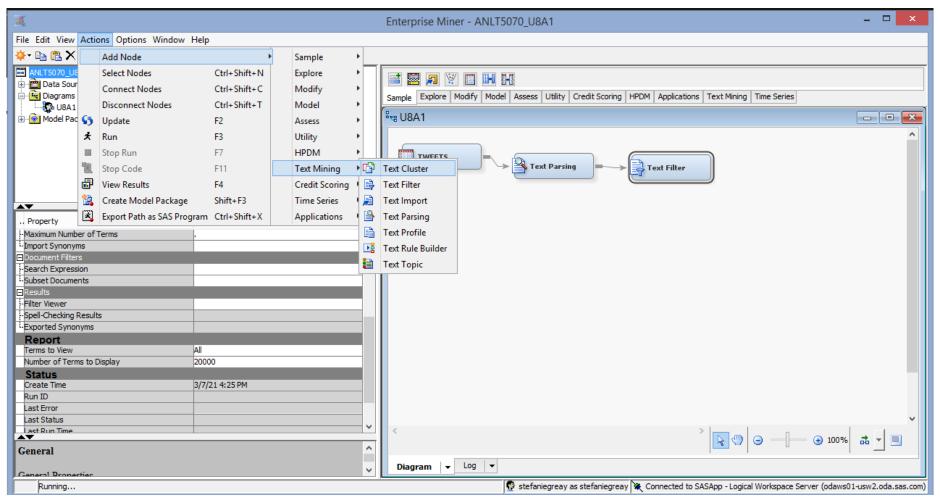


Run the Text Filter node using the default values by right clicking and selecting "Run."





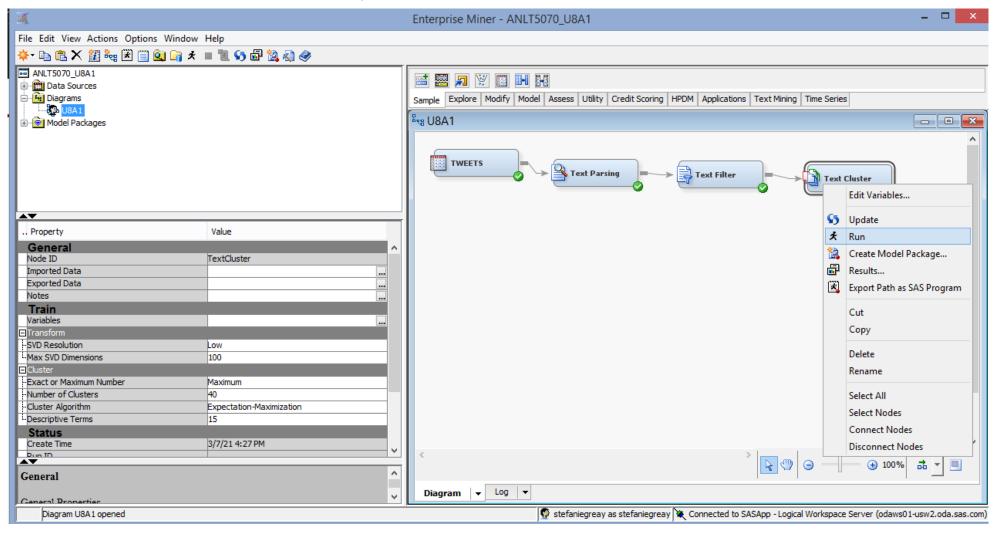
Add the Text Cluster node by clicking on "Actions">"Add Node">"Text Mining">"Text Cluster"





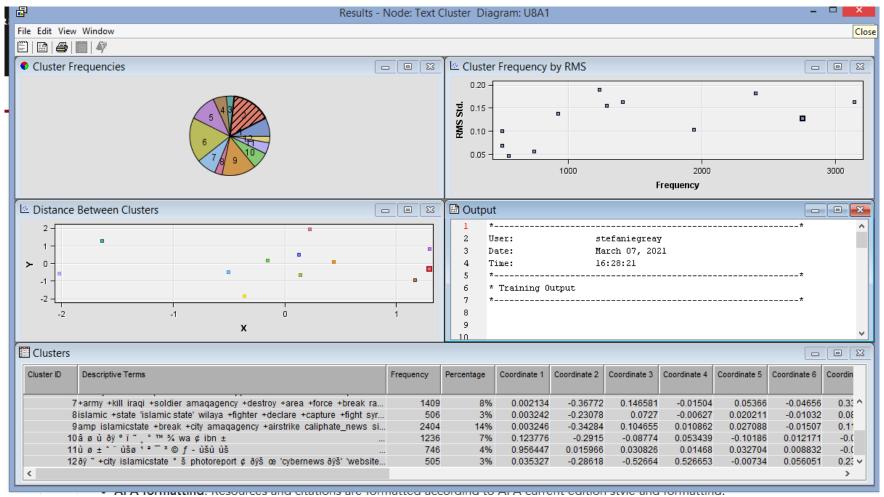


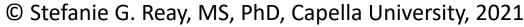
Connect the nodes, then run the cluster node.





Right click on the "Text Cluster" node and select "Results" to view the default cluster results.

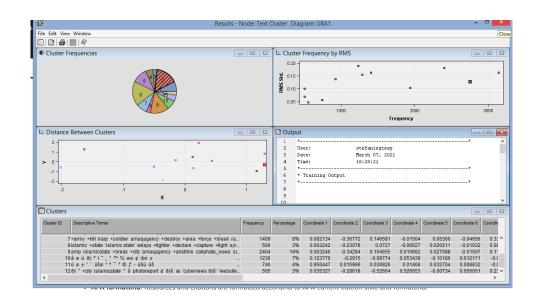


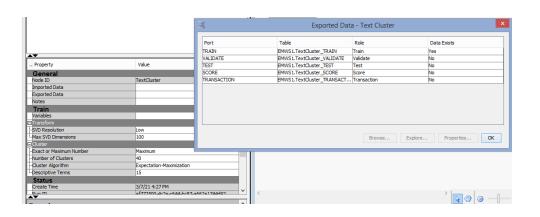


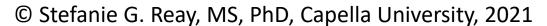


Remember to edit the appropriate areas within the text parsing and text filtering nodes to utilize a dictionary, change parts of speech options, etc. as we have in previous assignments. (Don't forget to rerun the nodes after any changes.)

The results can be reviewed by right clicking on each of the text cluster nodes and exploring the resulting summaries or exploring the output dataset (by clicking on the ellipses next to "export datasets" from this node that contains the original dataset as well as the cluster assignment for each observation.

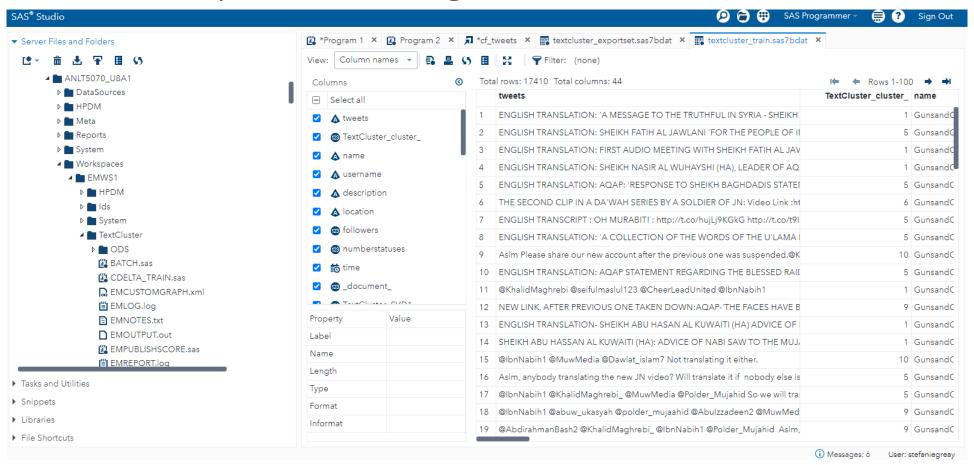








To review the output/export dataset from the text cluster node, you can navigate to that project in SAS Studio, and explore it using the functions or code there.





Sample code is provided to explore the export dataset from the Text Cluster node.

