ANLT5070

Unit 6 Assignment 1 Tutorial

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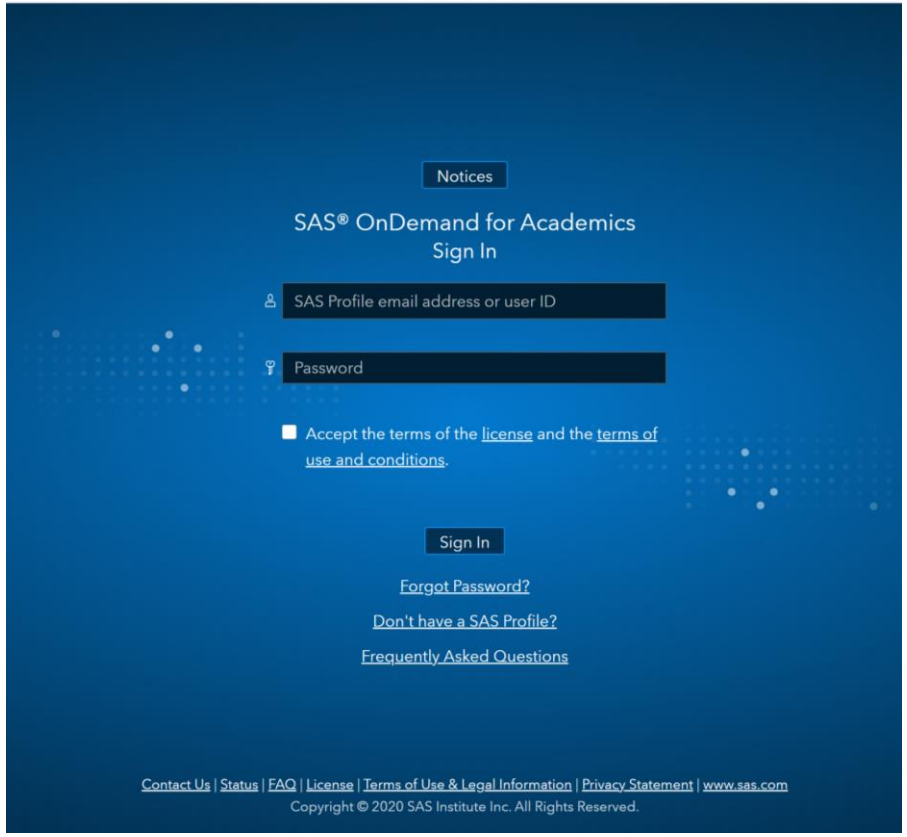
Access the SAS OnDemand for Academics Control Center

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



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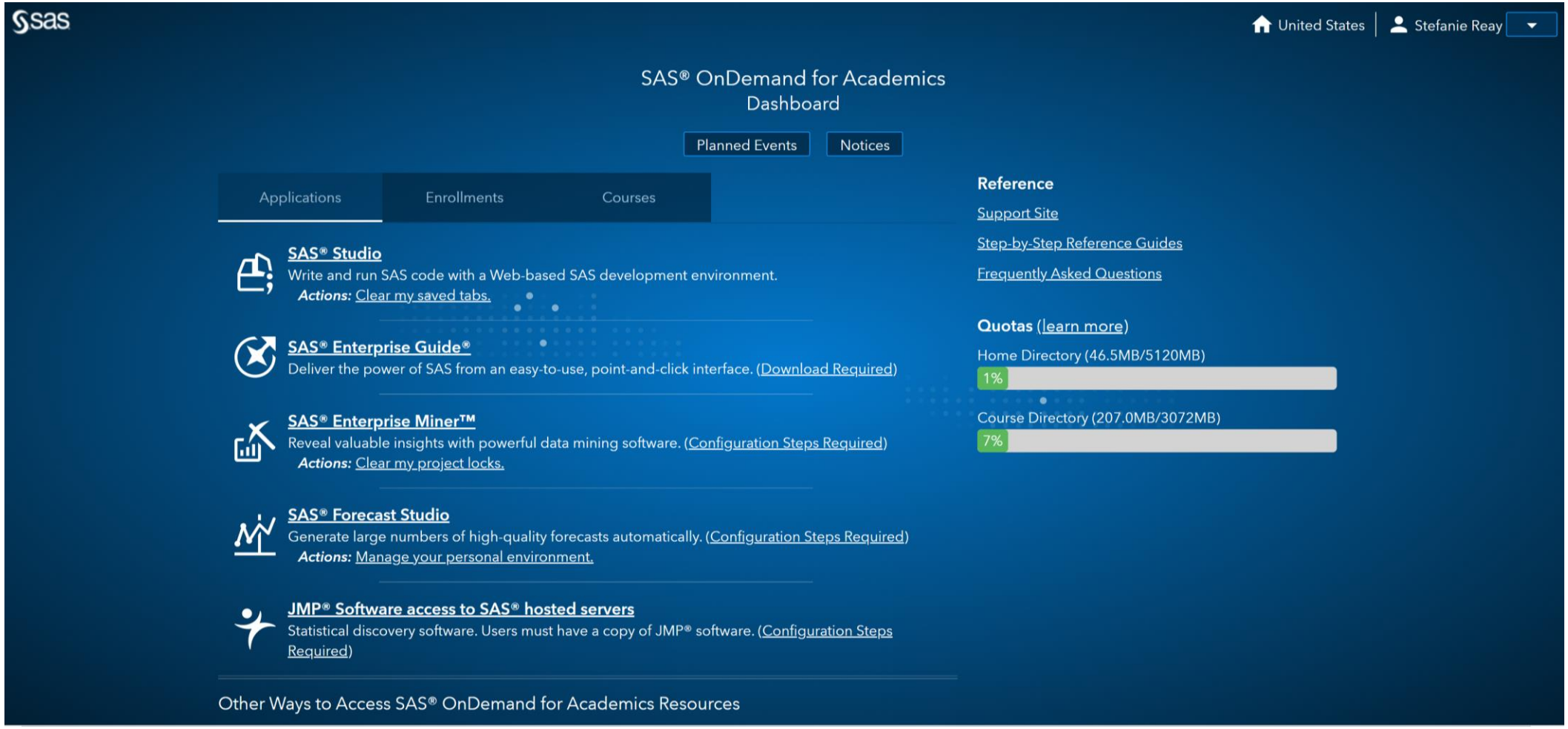
SAS OnDemand for Academics (SODA) Control Center



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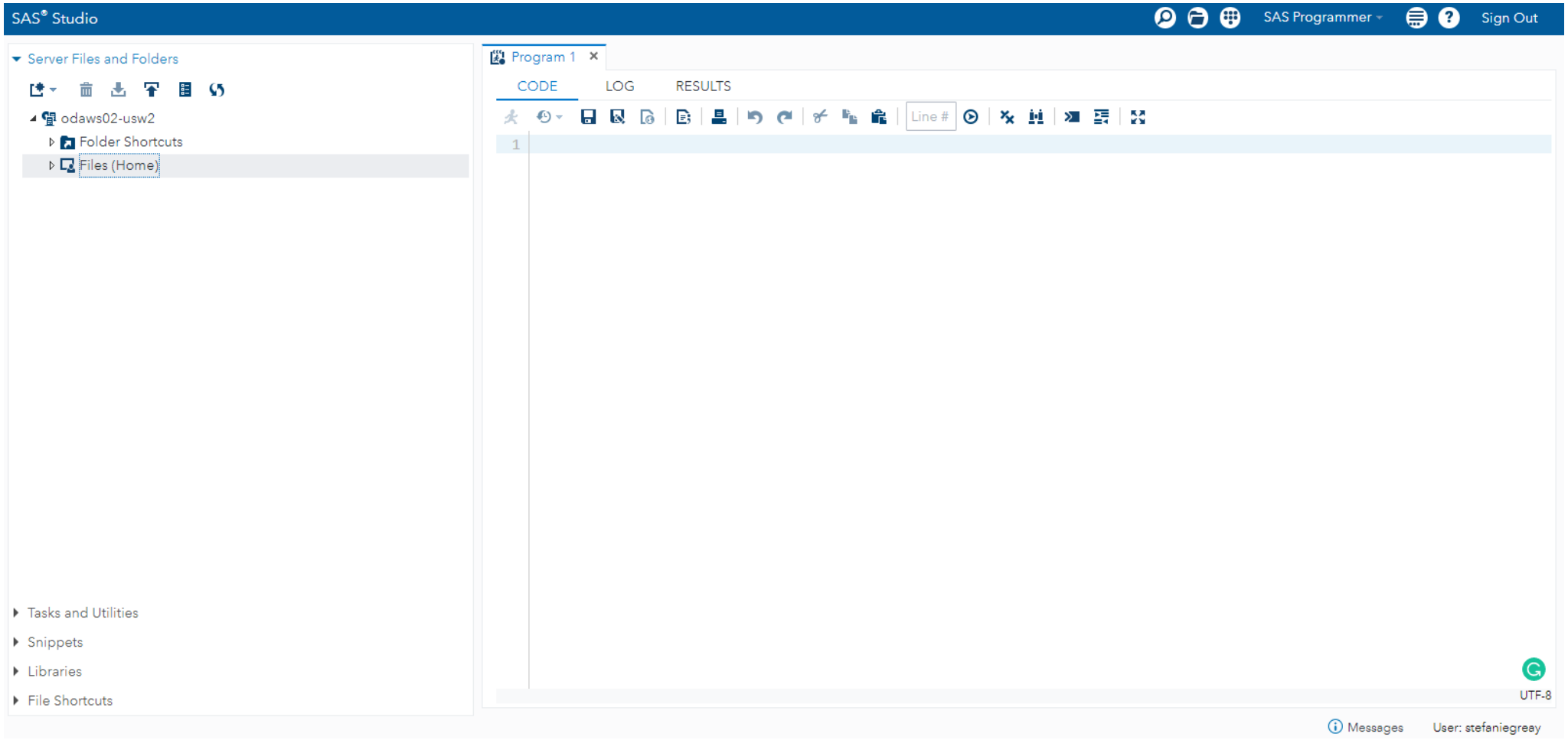
To upload the dataset to the SAS server, open SAS Studio, then click on “Files (Home)” and click the upload button.



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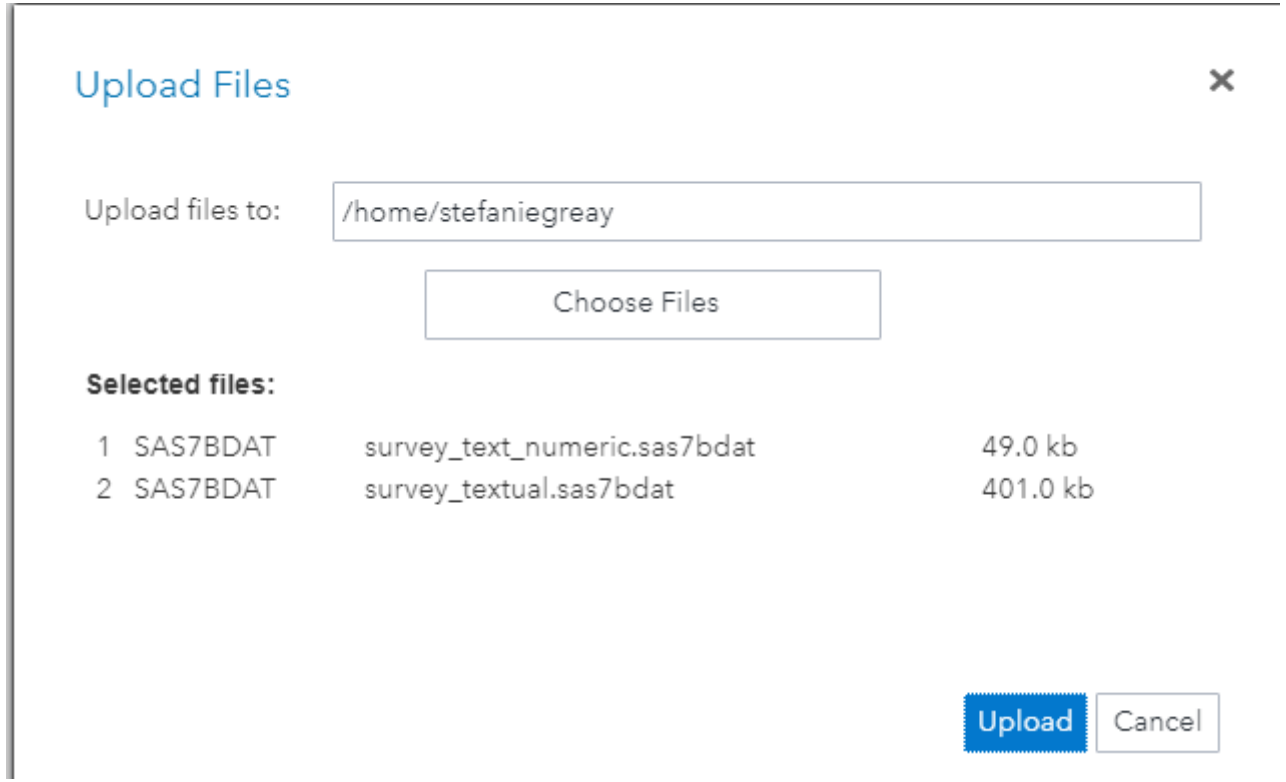
Click on “Choose Files” to browse to the file you want to upload, then click “Upload.”



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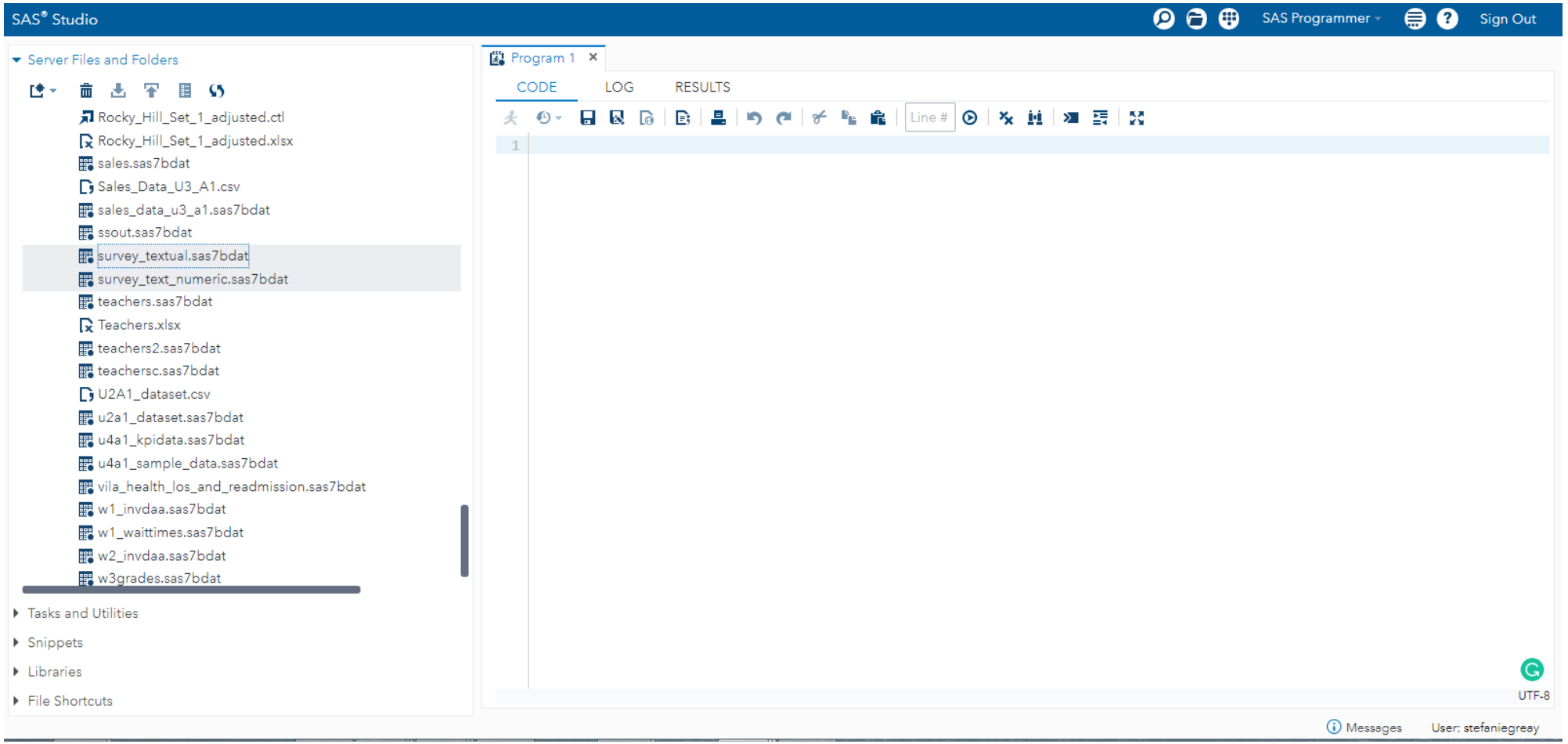
Verify that the upload was successful by scrolling down in your Files(Home) area.



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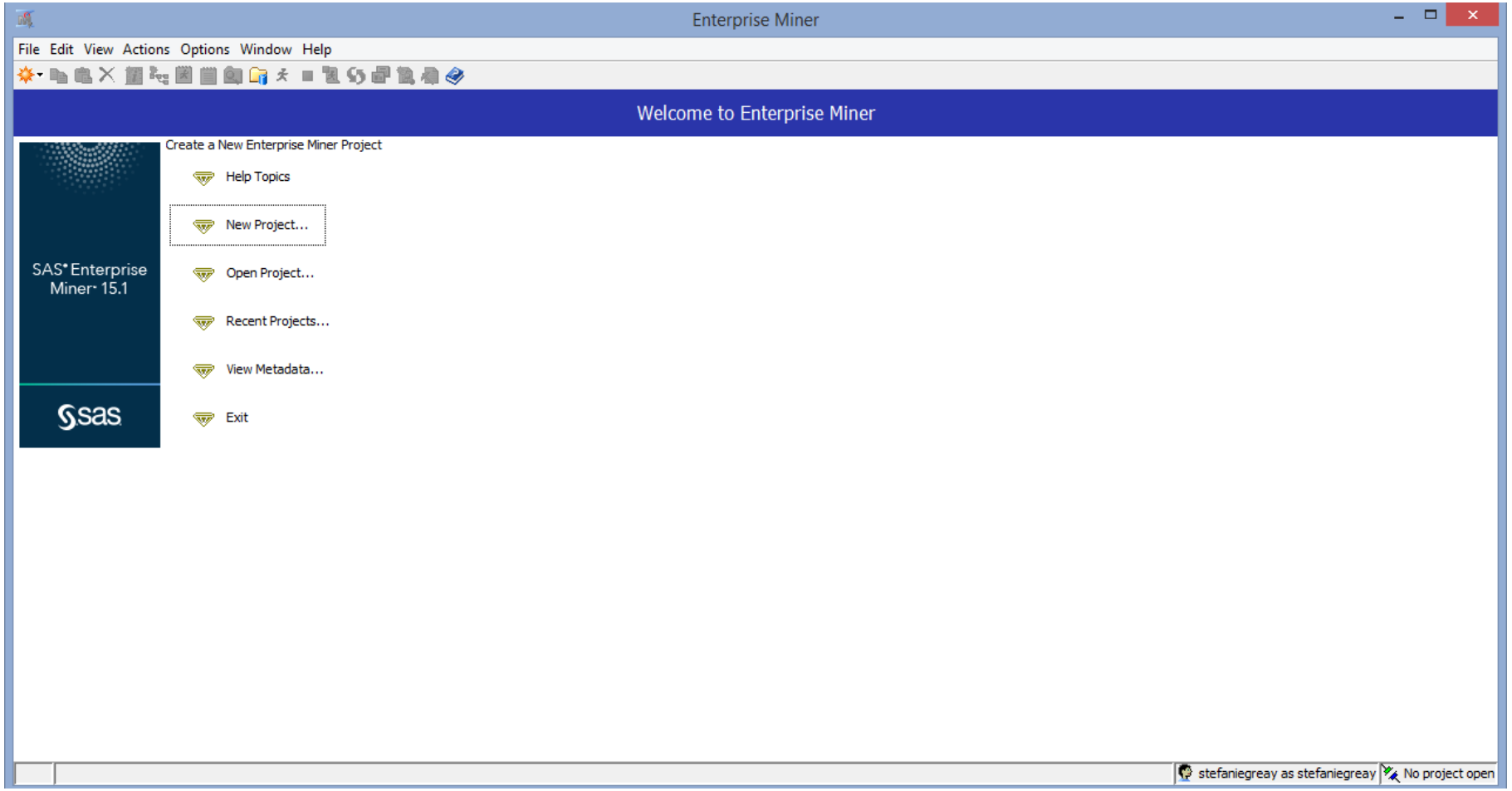
SAS Enterprise Miner Instructions

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.”



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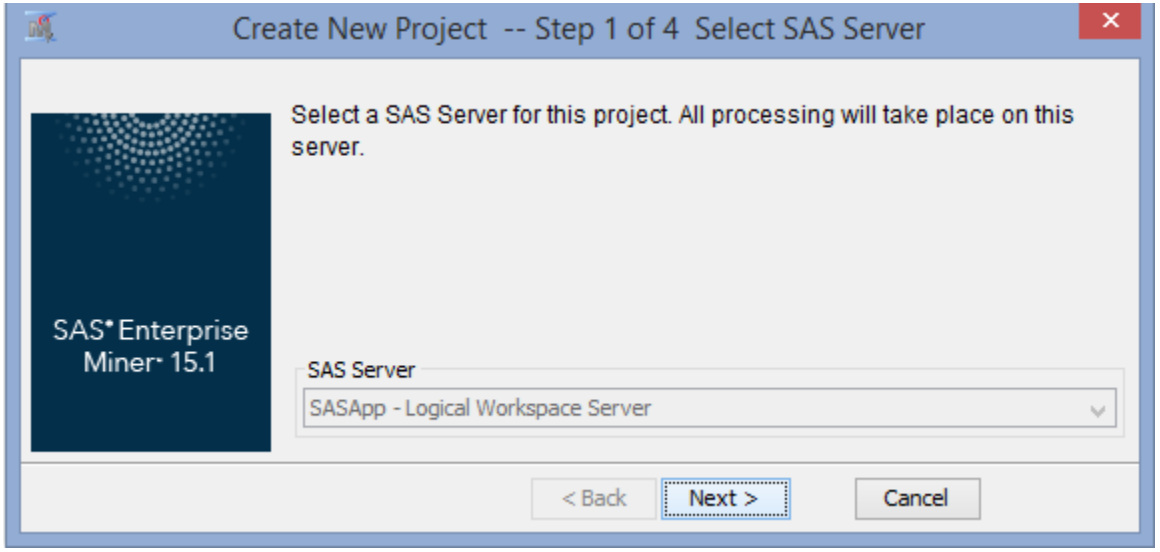
Click “Next>” to use the default SAS Server



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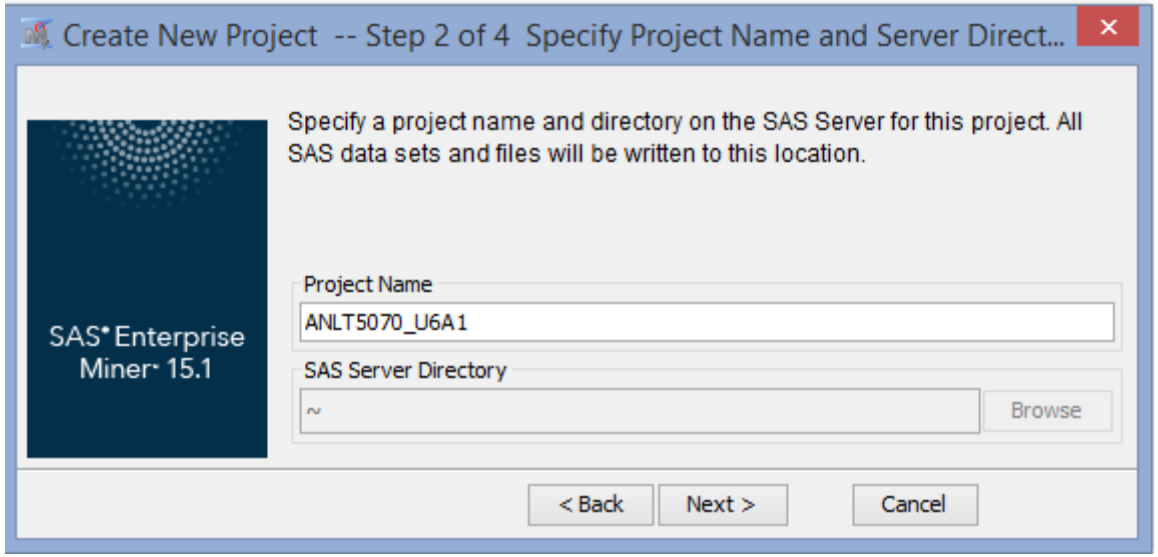
Enter a project name and click “Next>”



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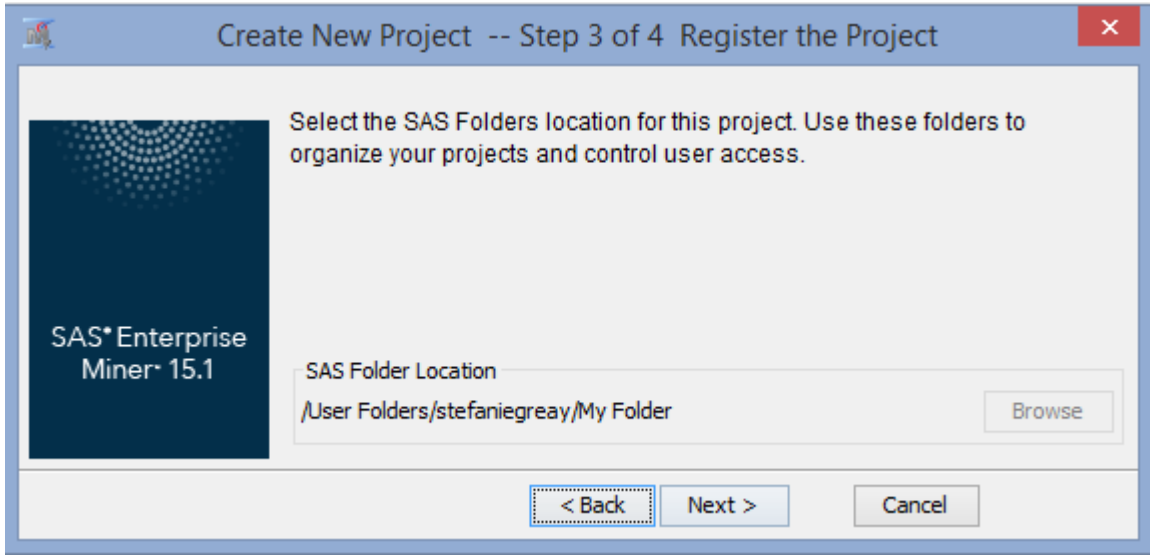
Click “Next>”



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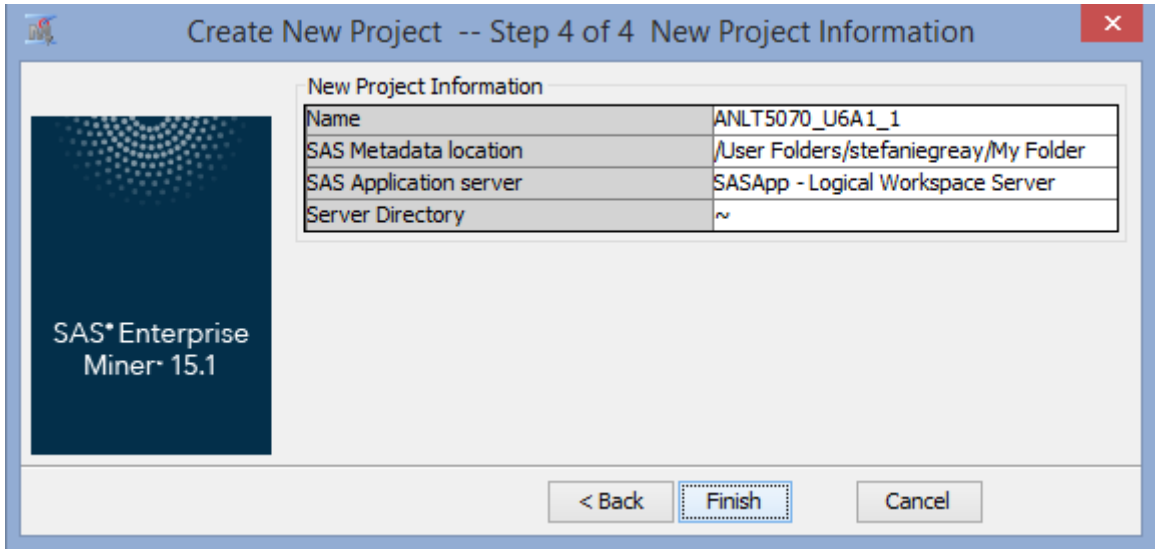
Verify your entries and click “Finish”



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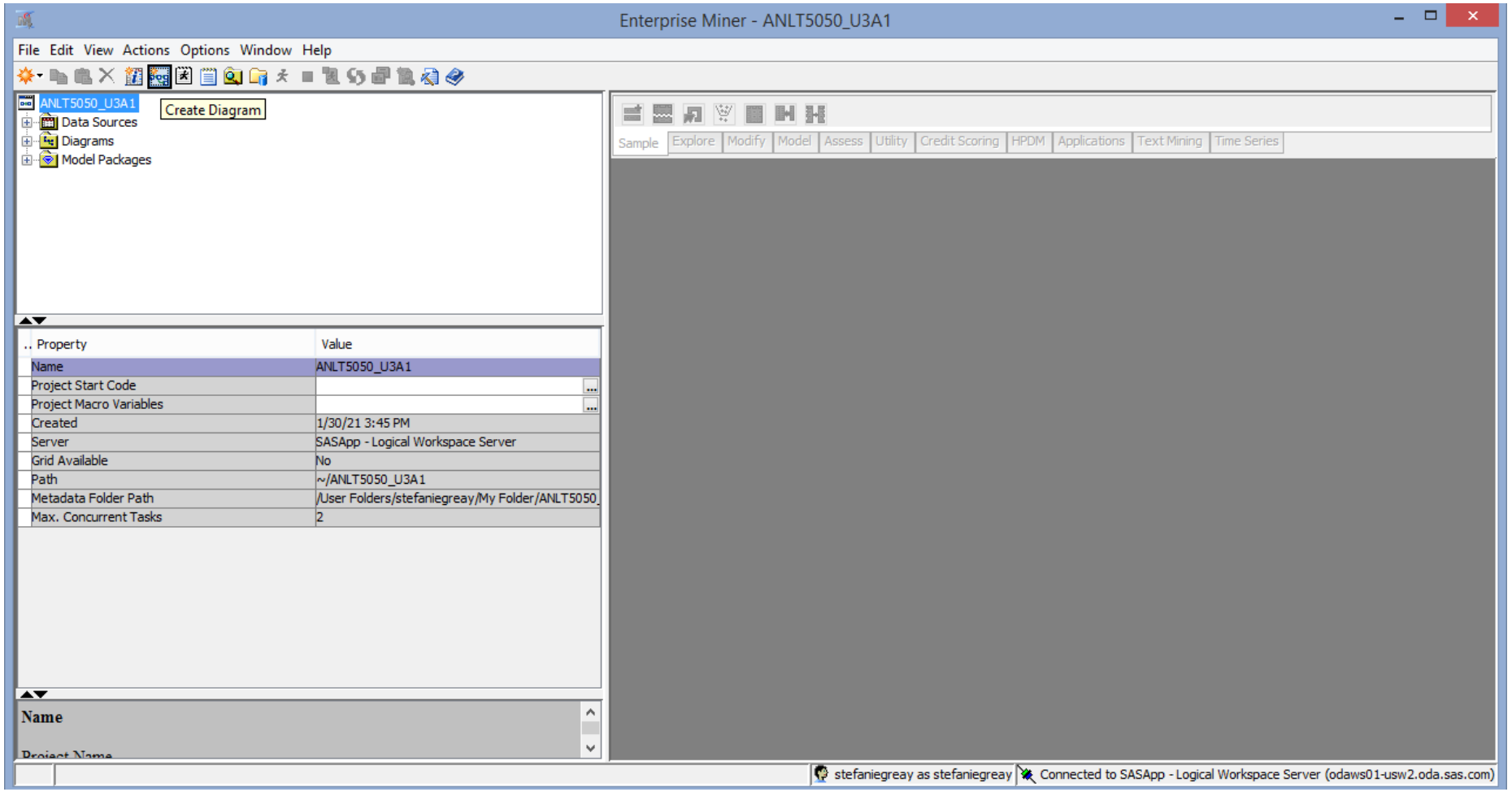
Click on the “Create Diagram” icon.



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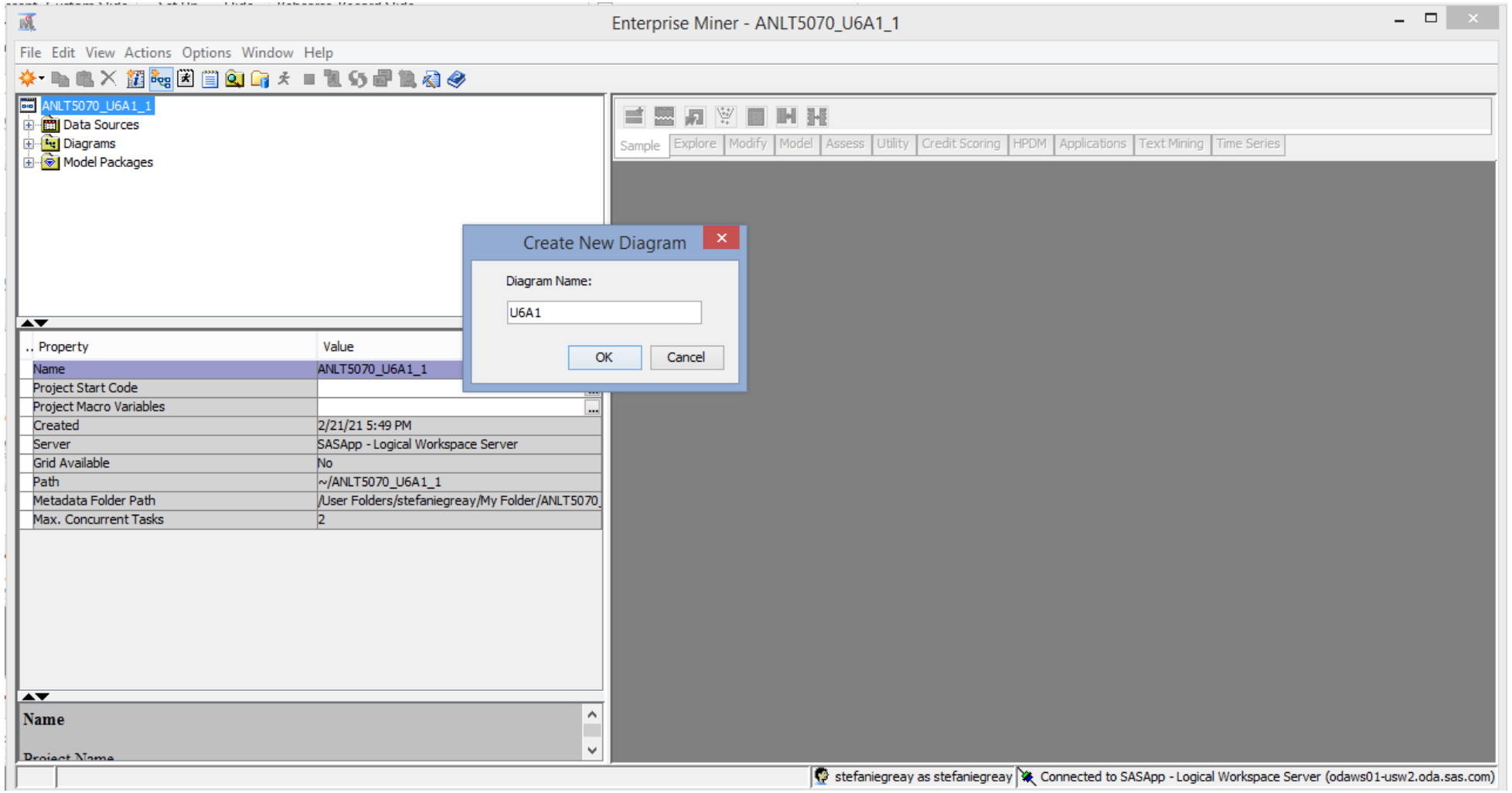
Name your diagram and click “OK.”



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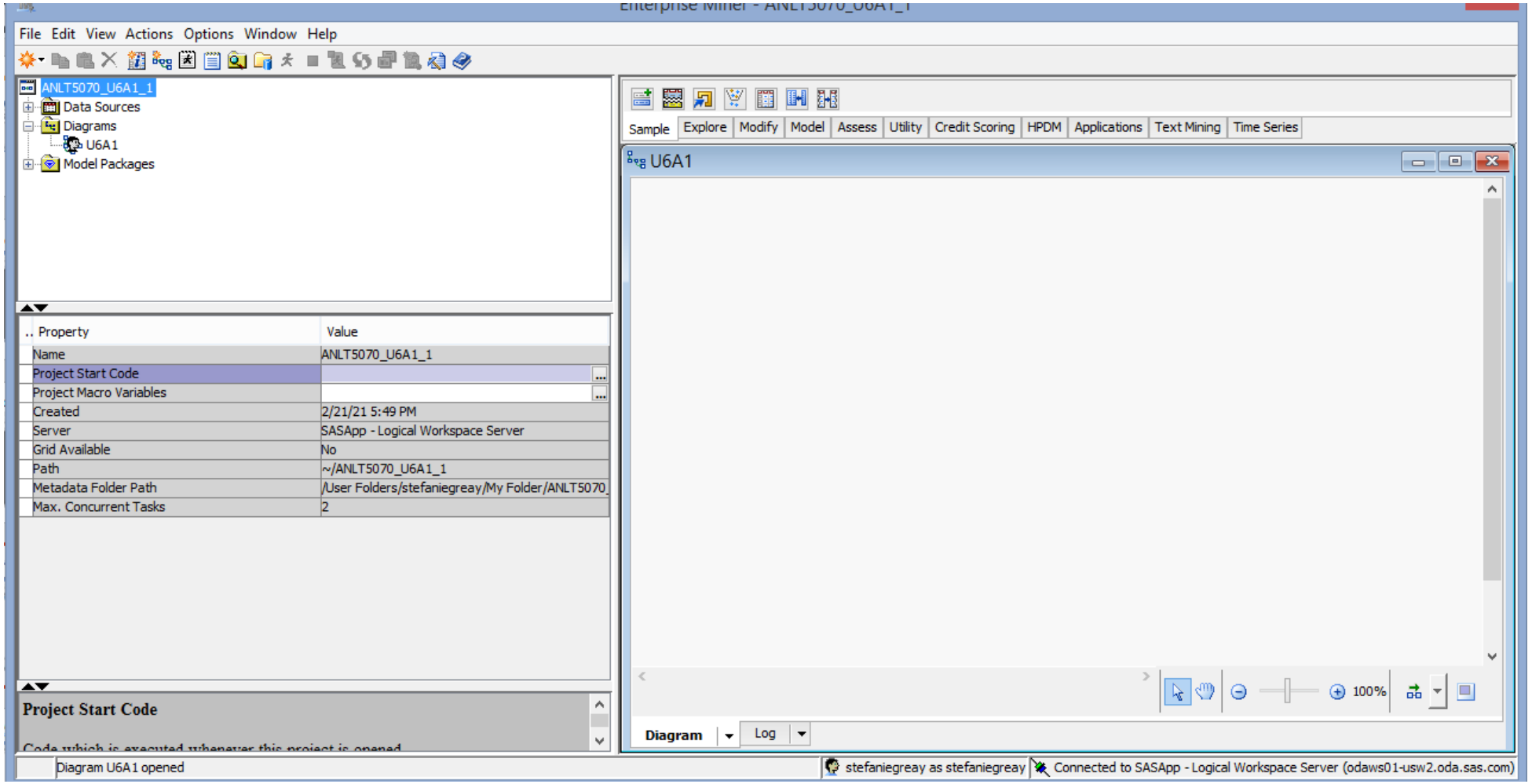
Click on the project, then click on the ellipses next to “Project Start Code.”



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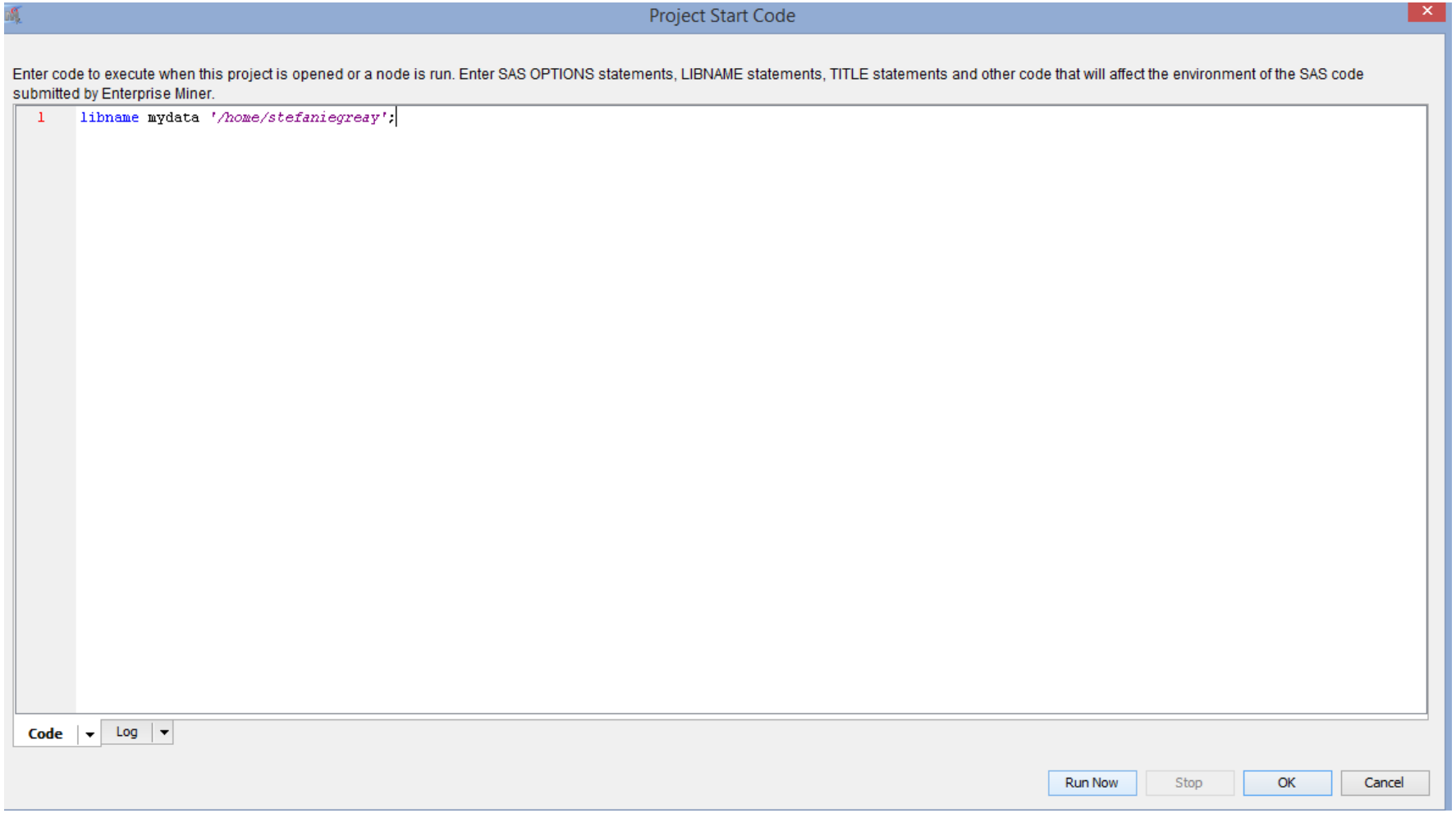
Add the library reference for where you uploaded the dataset in SAS studio, and click “Run Now.” Once it completes, click “OK.”



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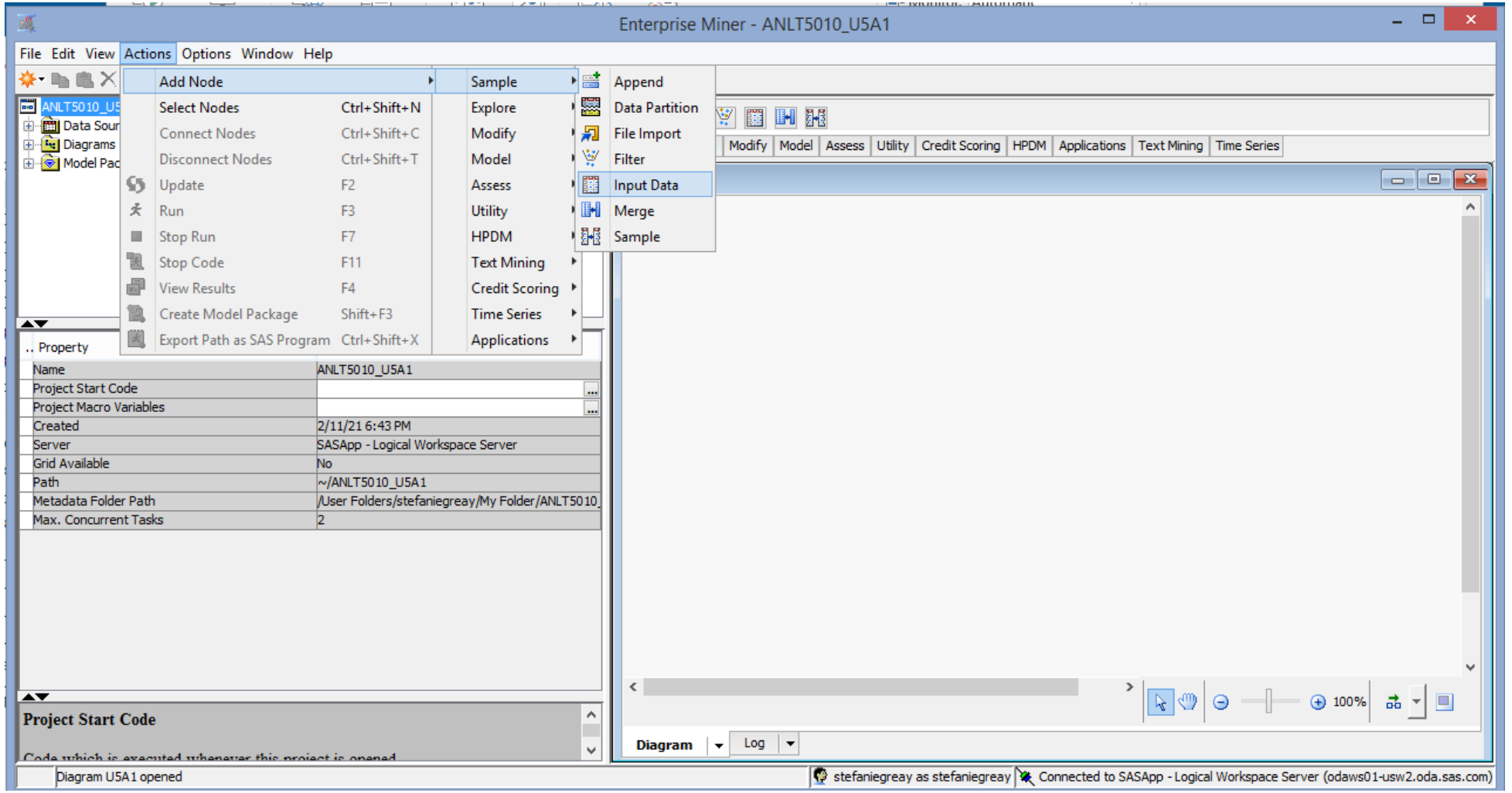
Click on Actions>Add Node>Sample>Input Data



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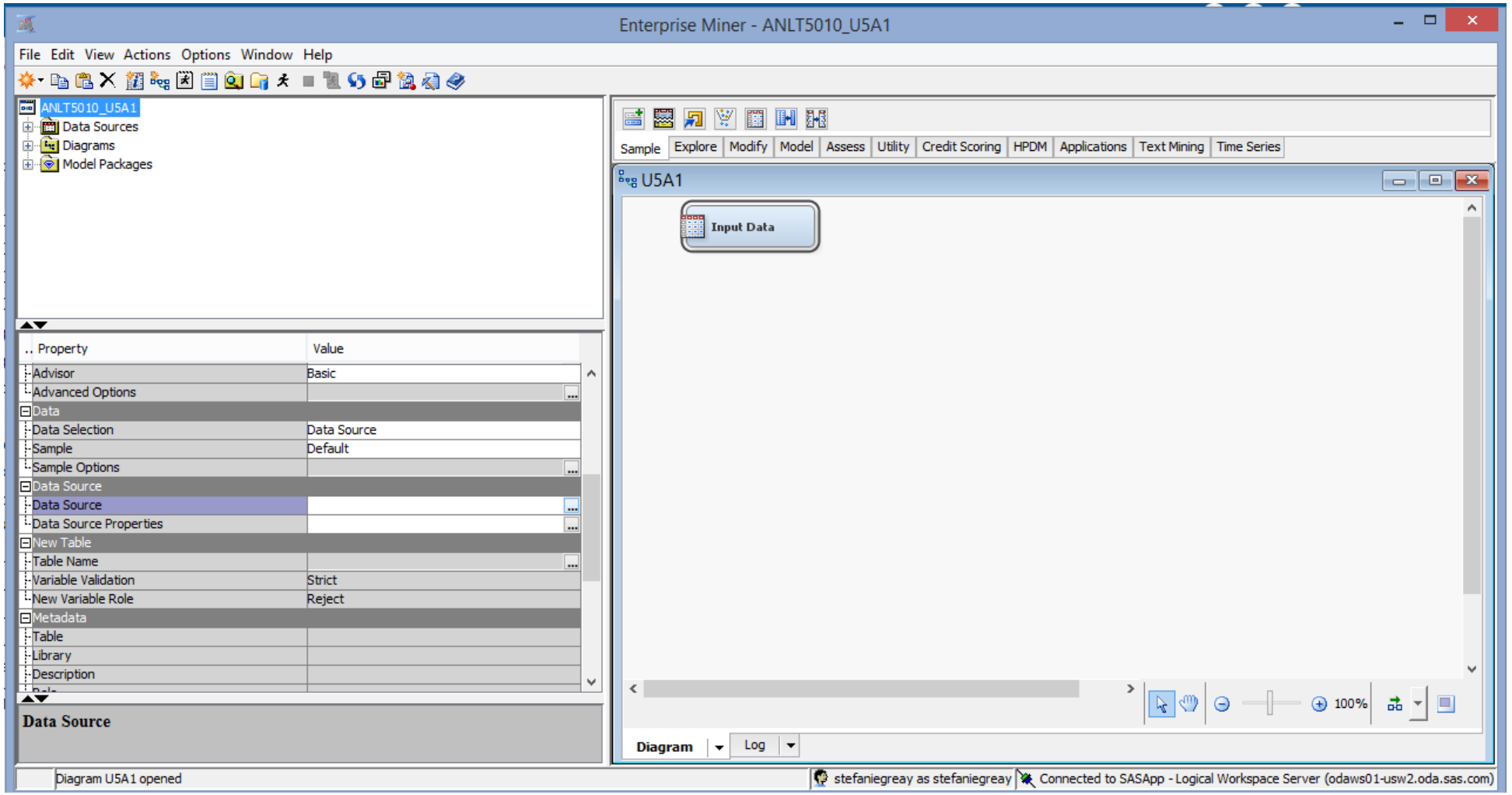
Click the ellipses (3 dots) next to “Data Source.”



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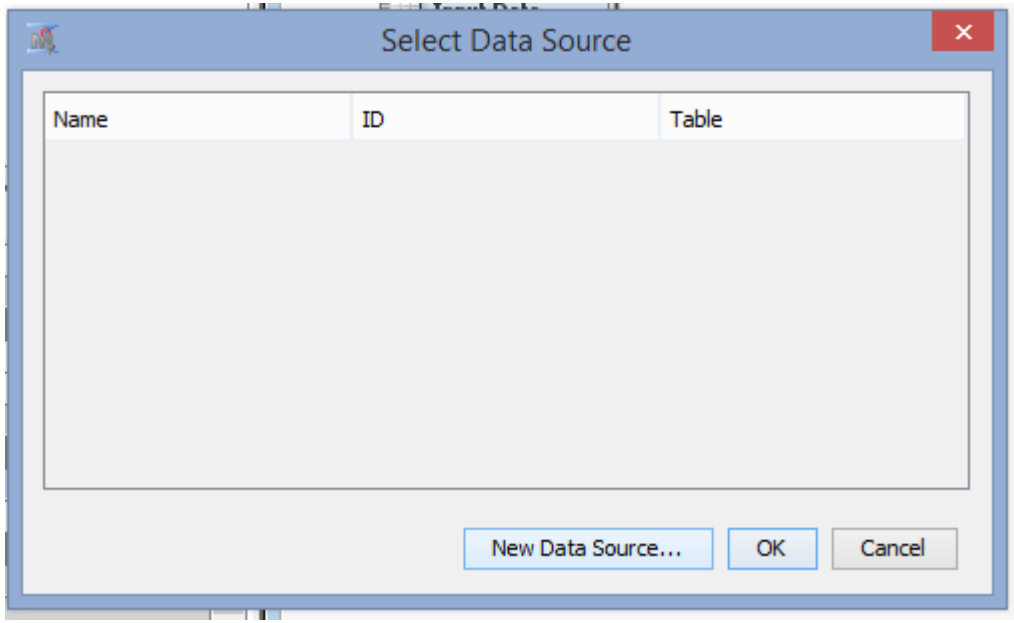
Click on “New Data Source”



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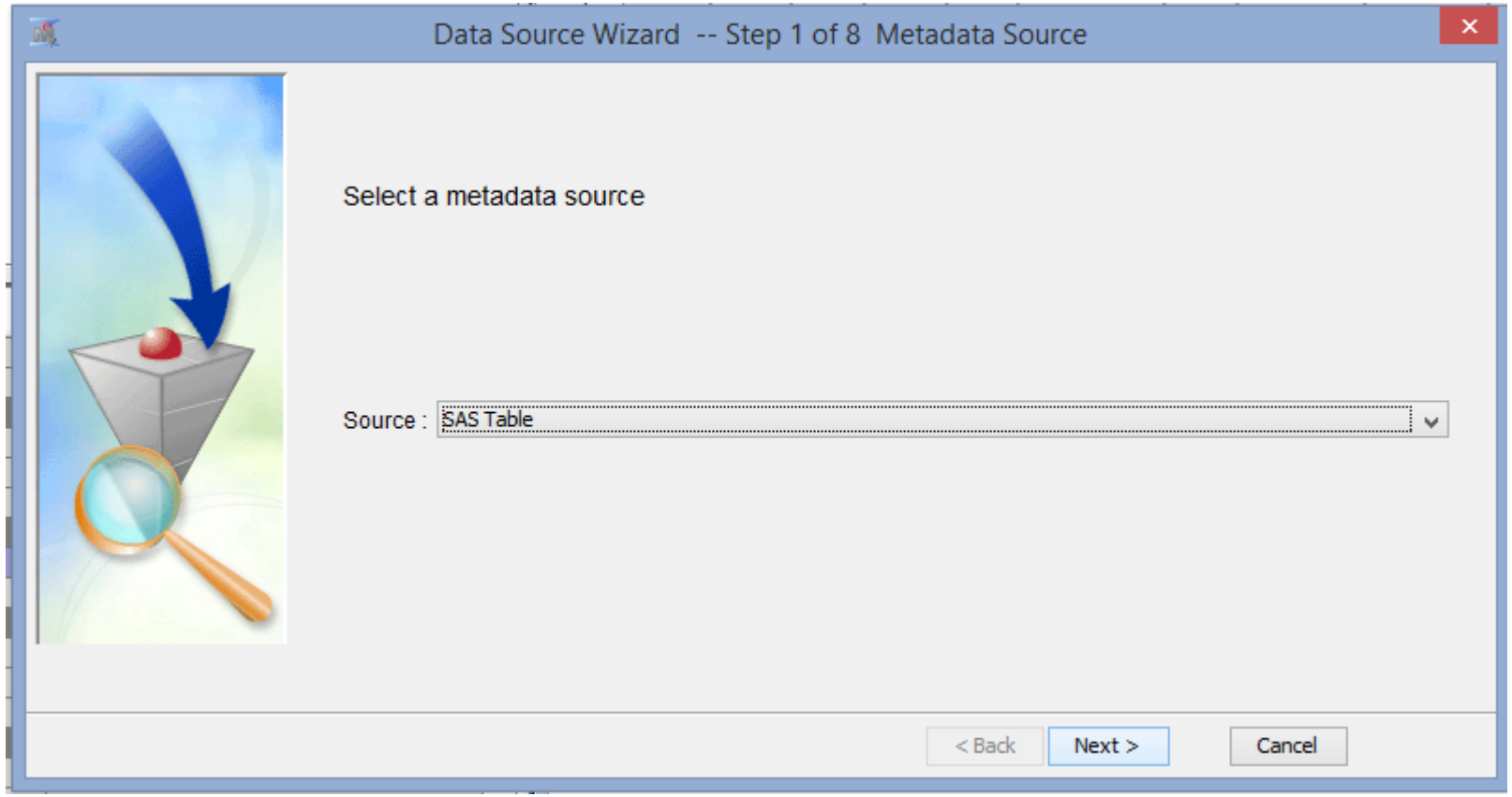
Leave it as “SAS Table” and click “Next >”



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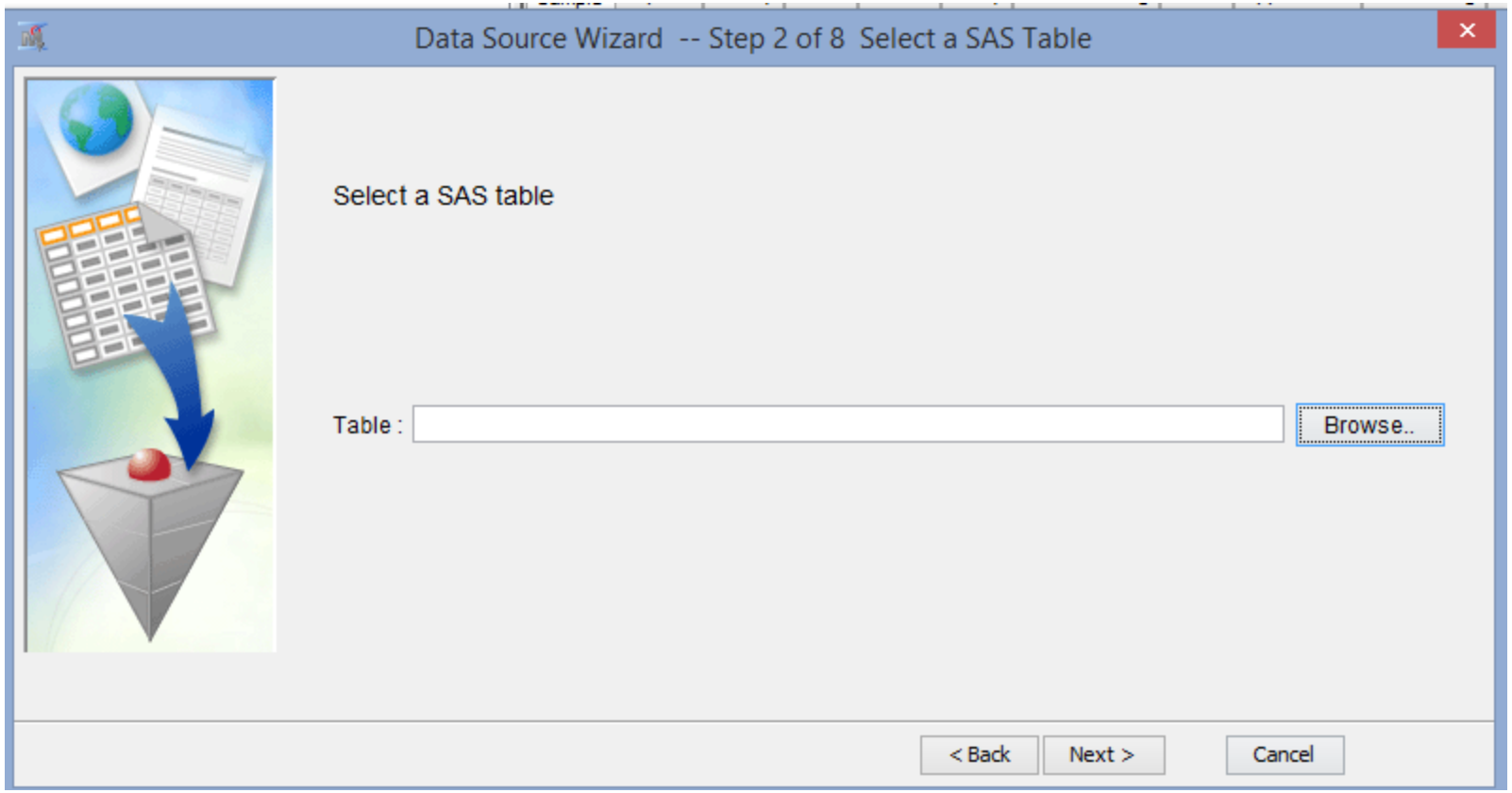
Click on “Browse”



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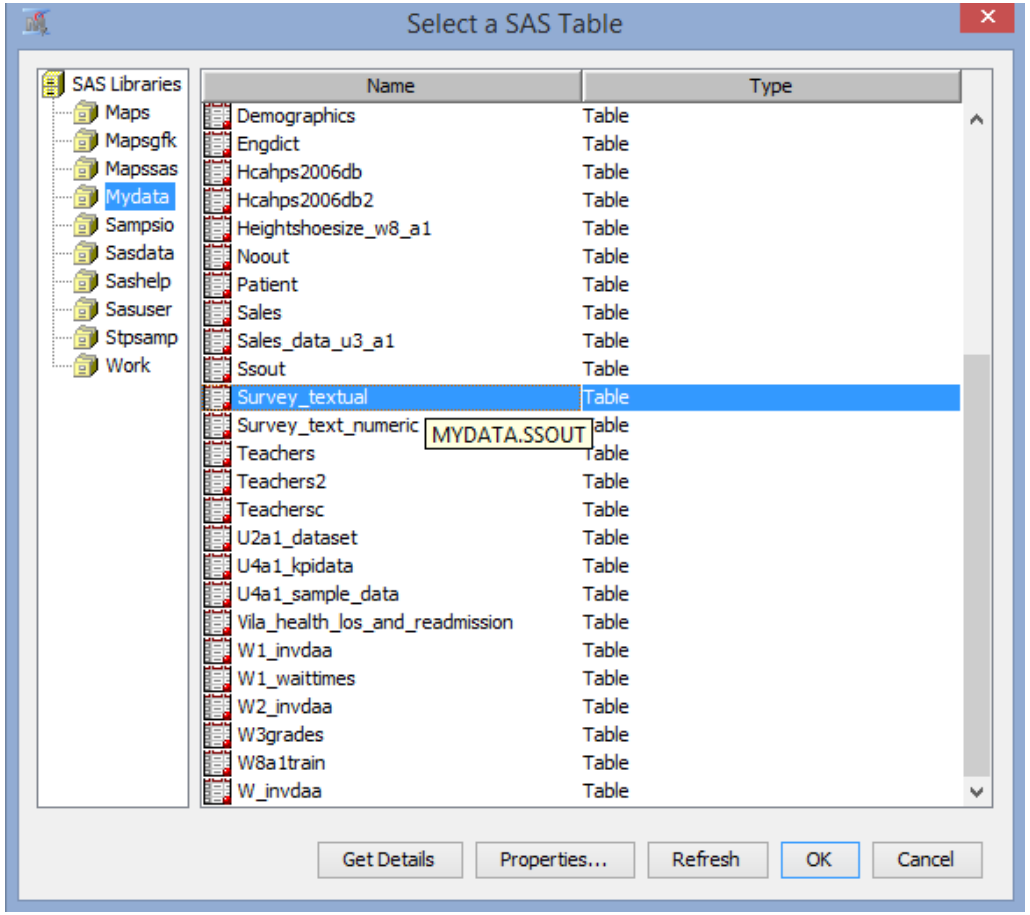
Double click on the libname you just set up in the project startup code.



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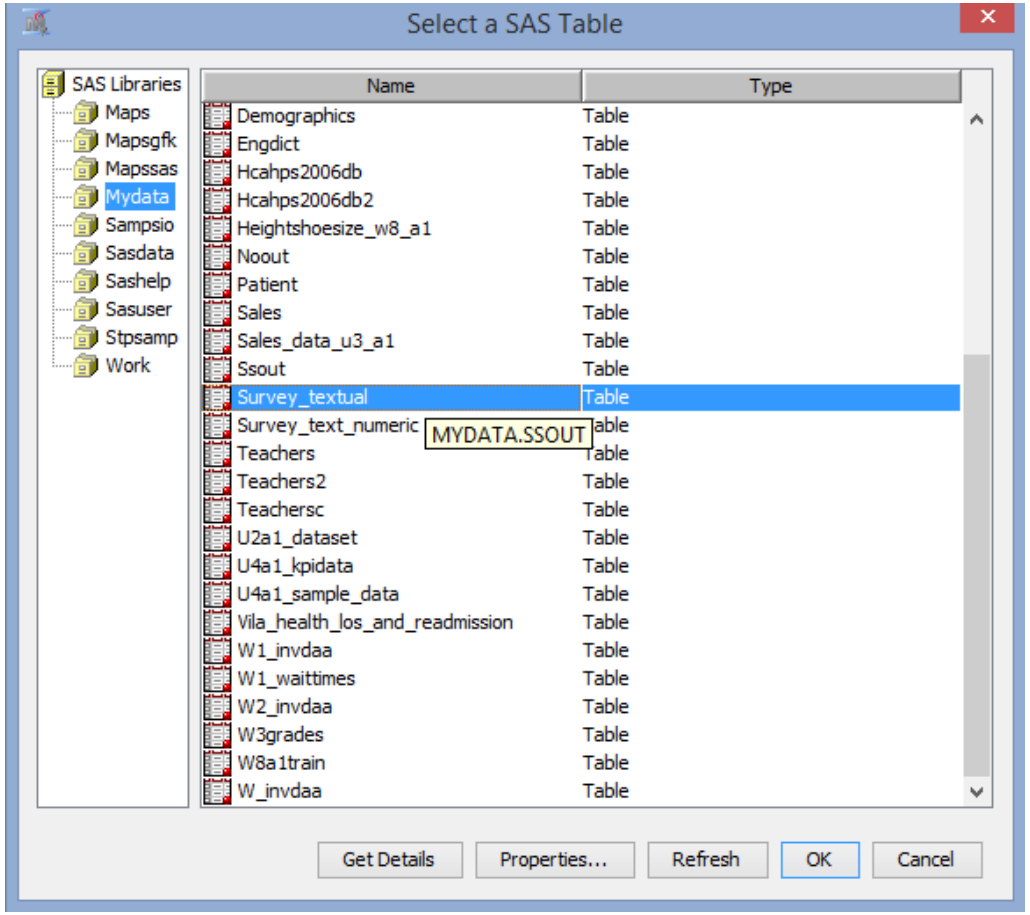
Double click to select the dataset for this unit, and click “OK”



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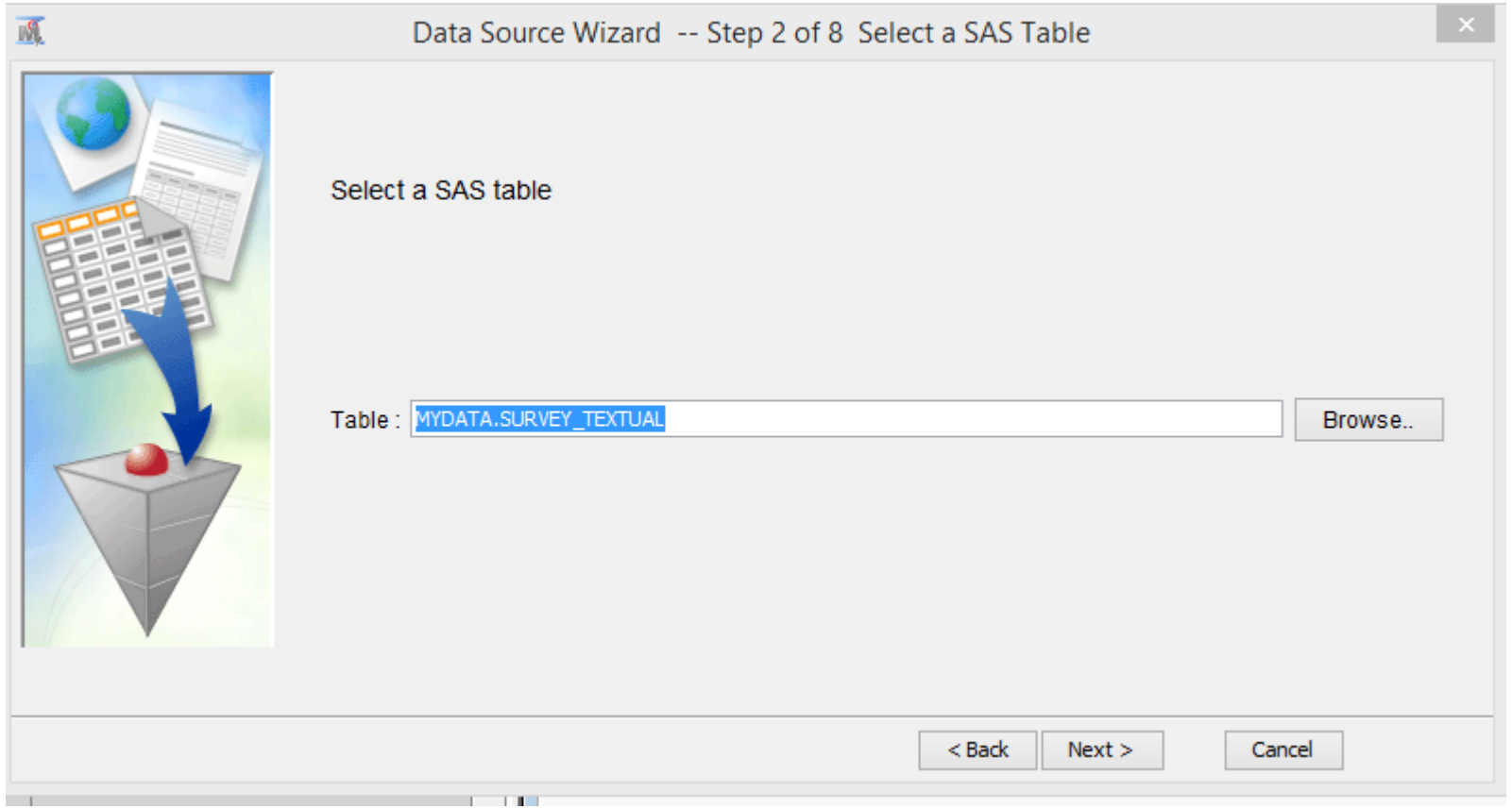
Click “Next>”



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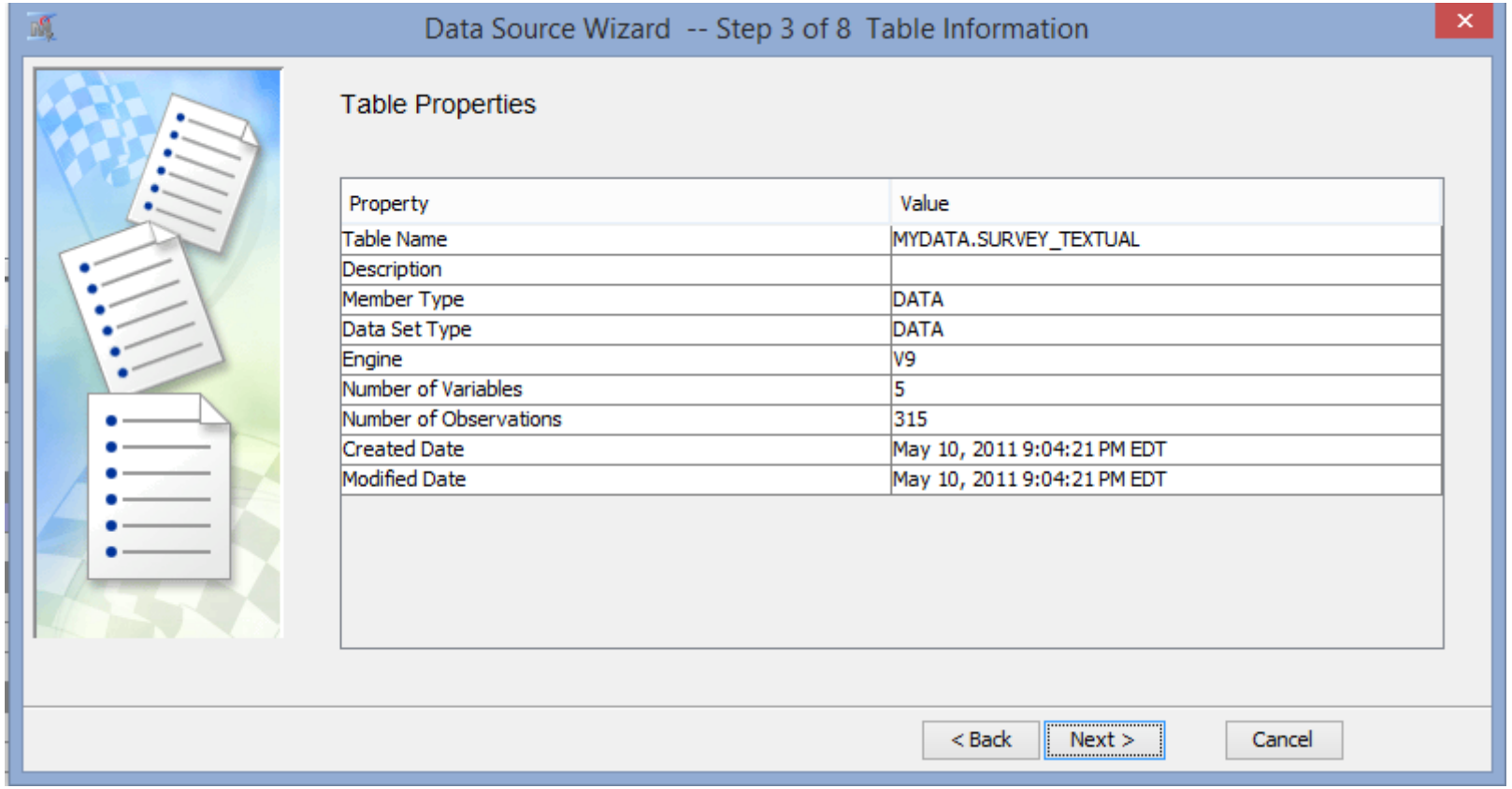
Verify the options and click “Next>”



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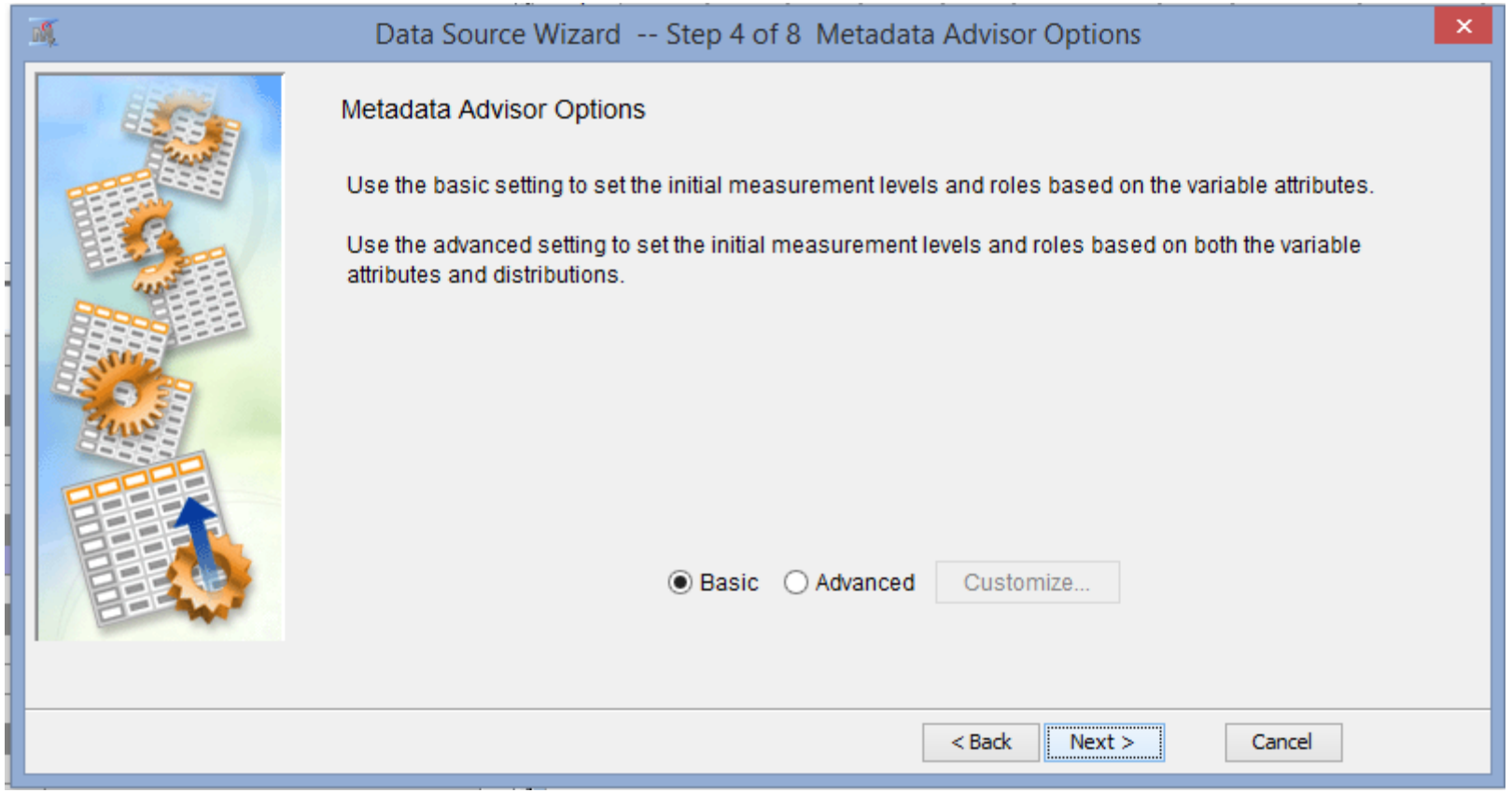
Click “Next>”



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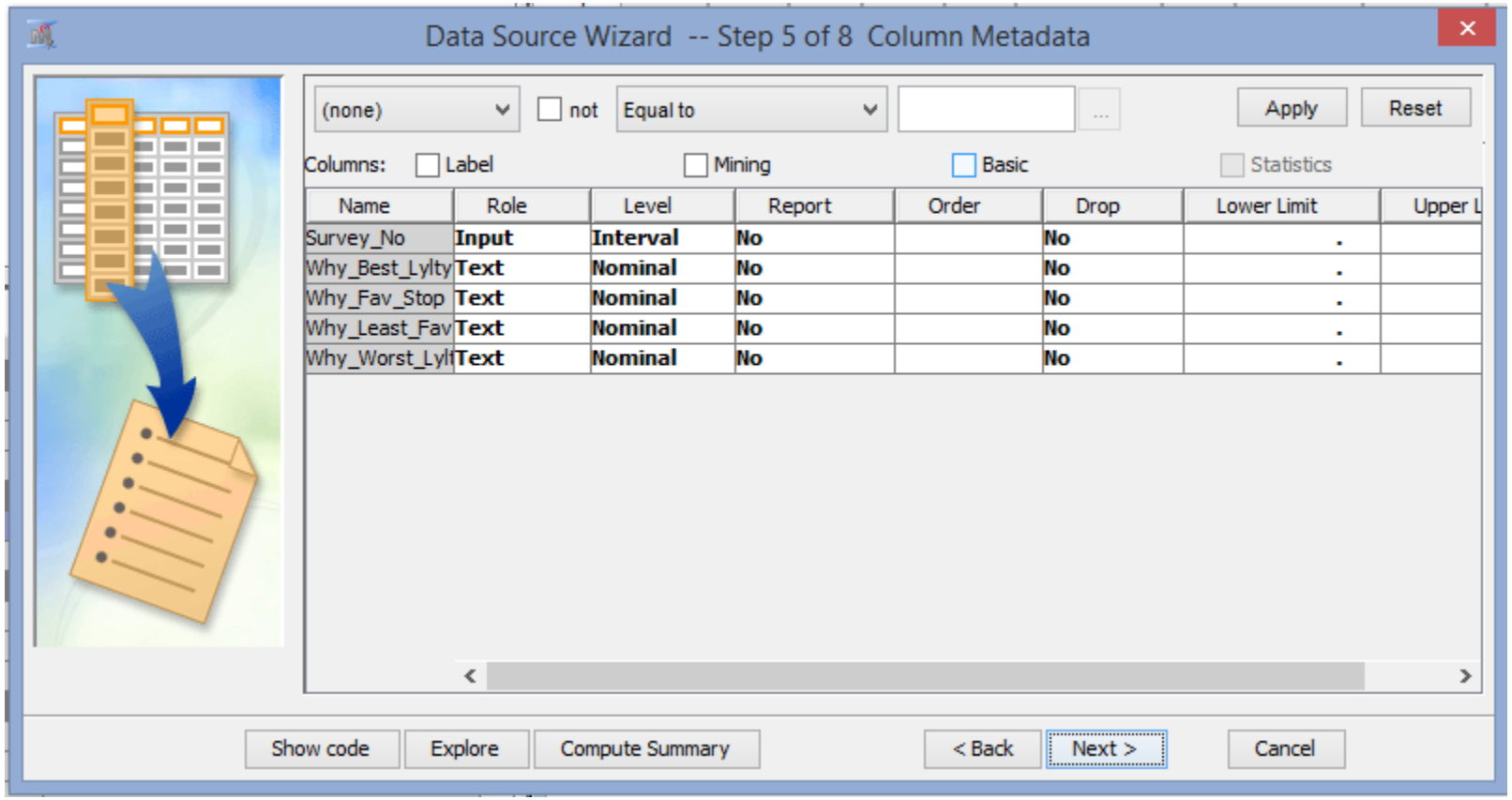
Verify the variables and settings, adjust if necessary, and then click “Next>”



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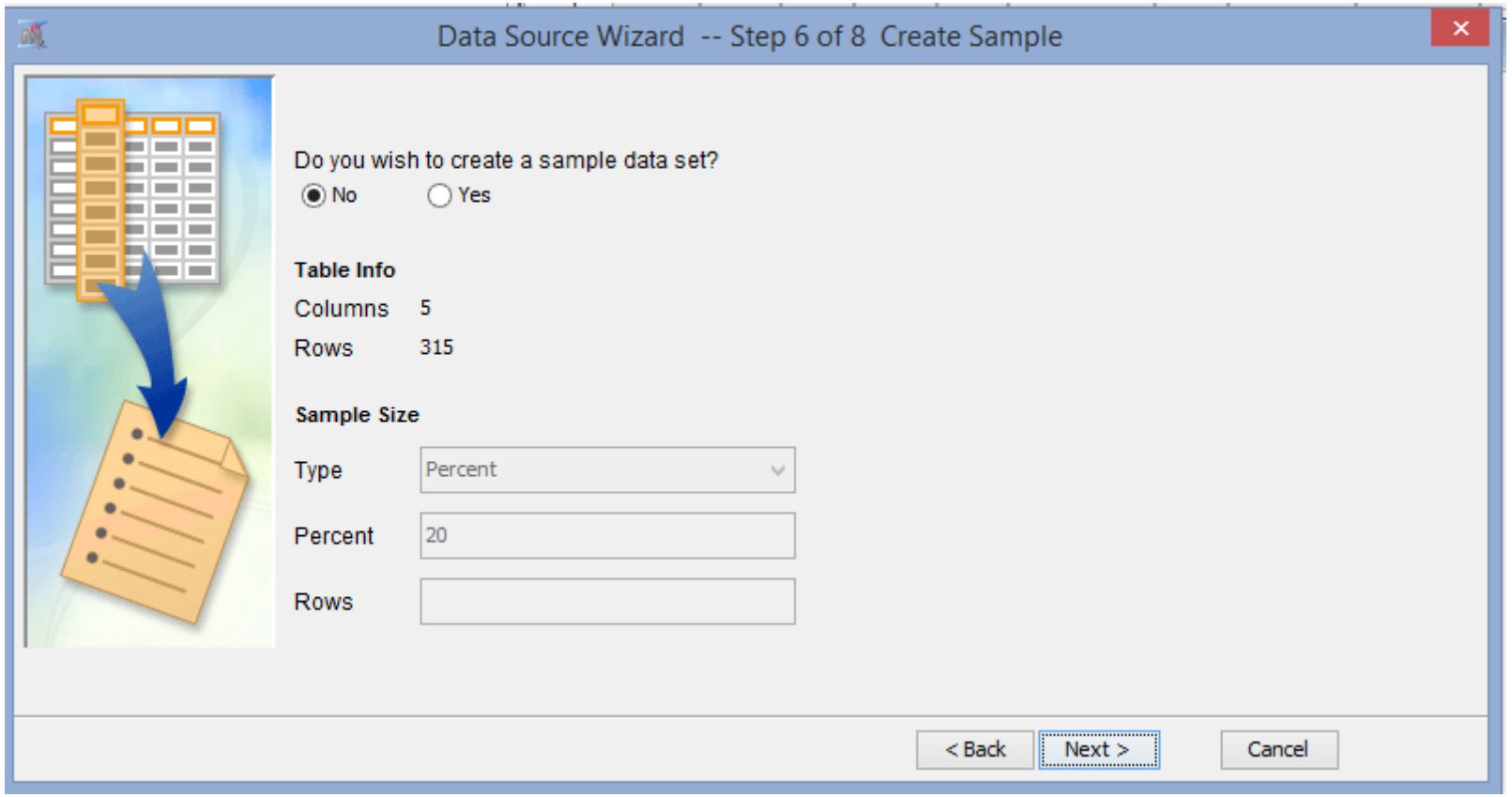
You may choose to sample the dataset here, or just keep the full dataset, then click “Next>”



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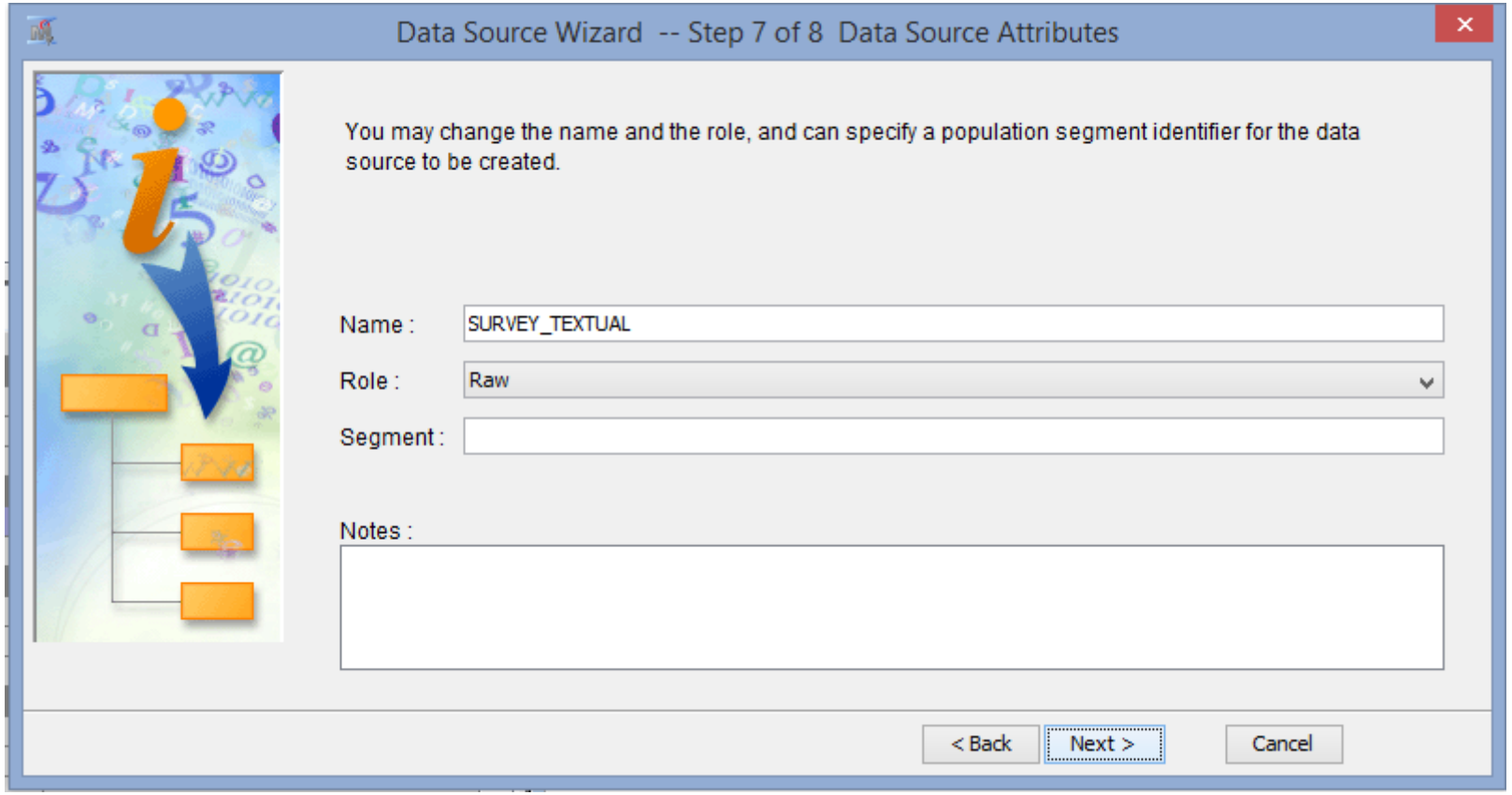
You may choose to adjust the role of the dataset, or leave it as the default, then click “Next>”



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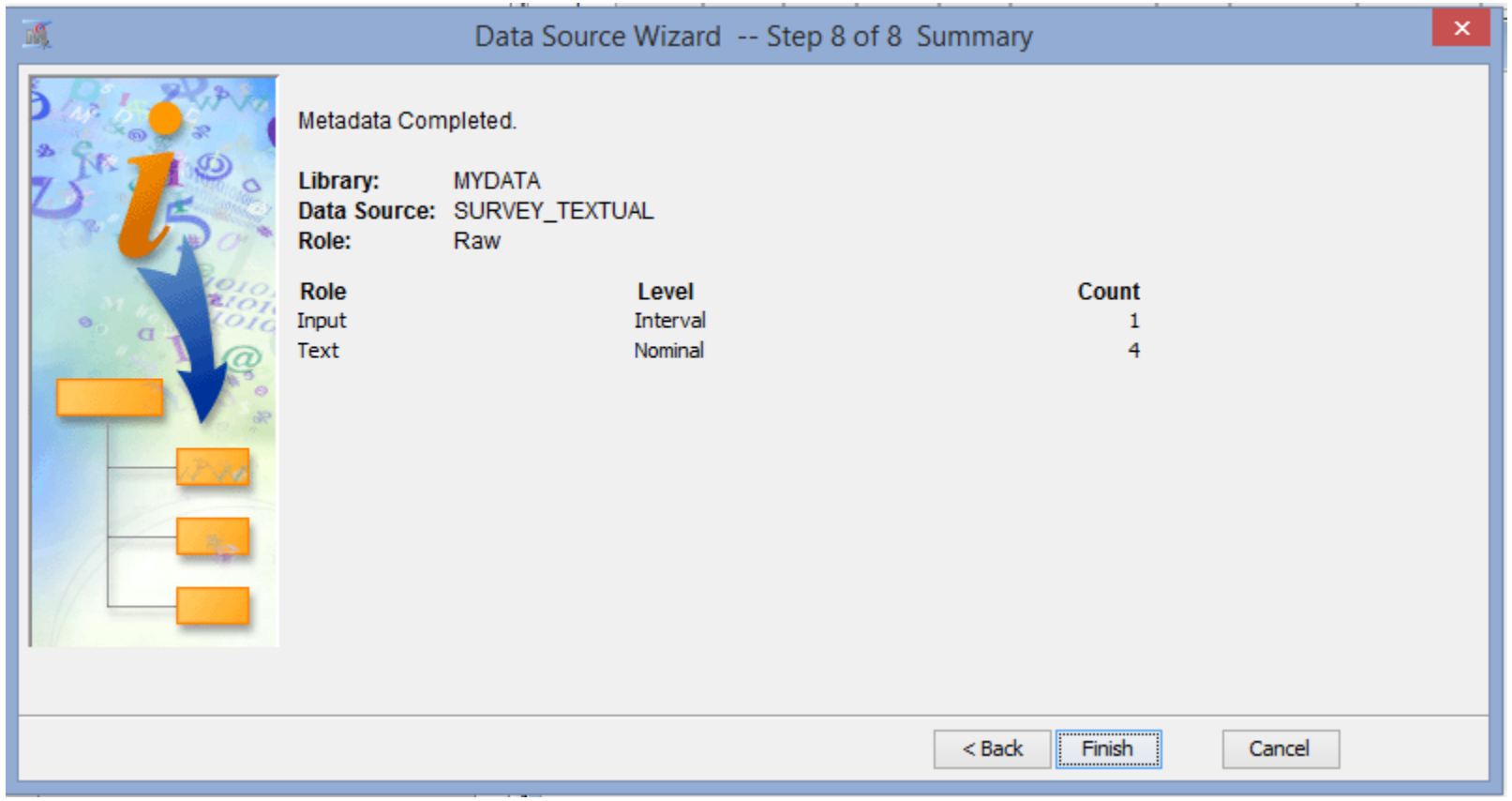
Click “Finish” to finish the data source registration within EM.



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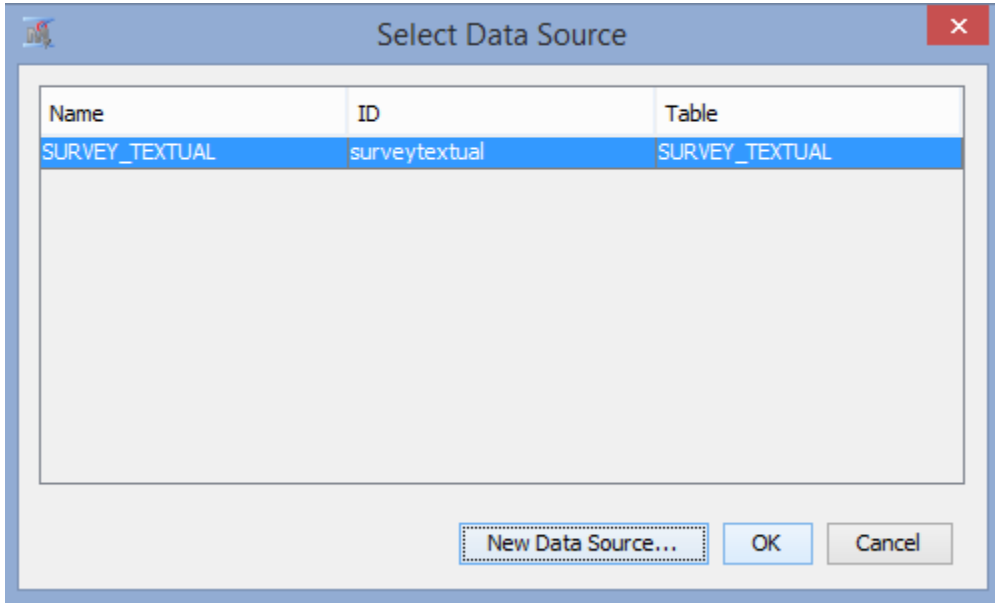
Click “OK” to complete the process. The name of the node should then change to the name of the dataset.



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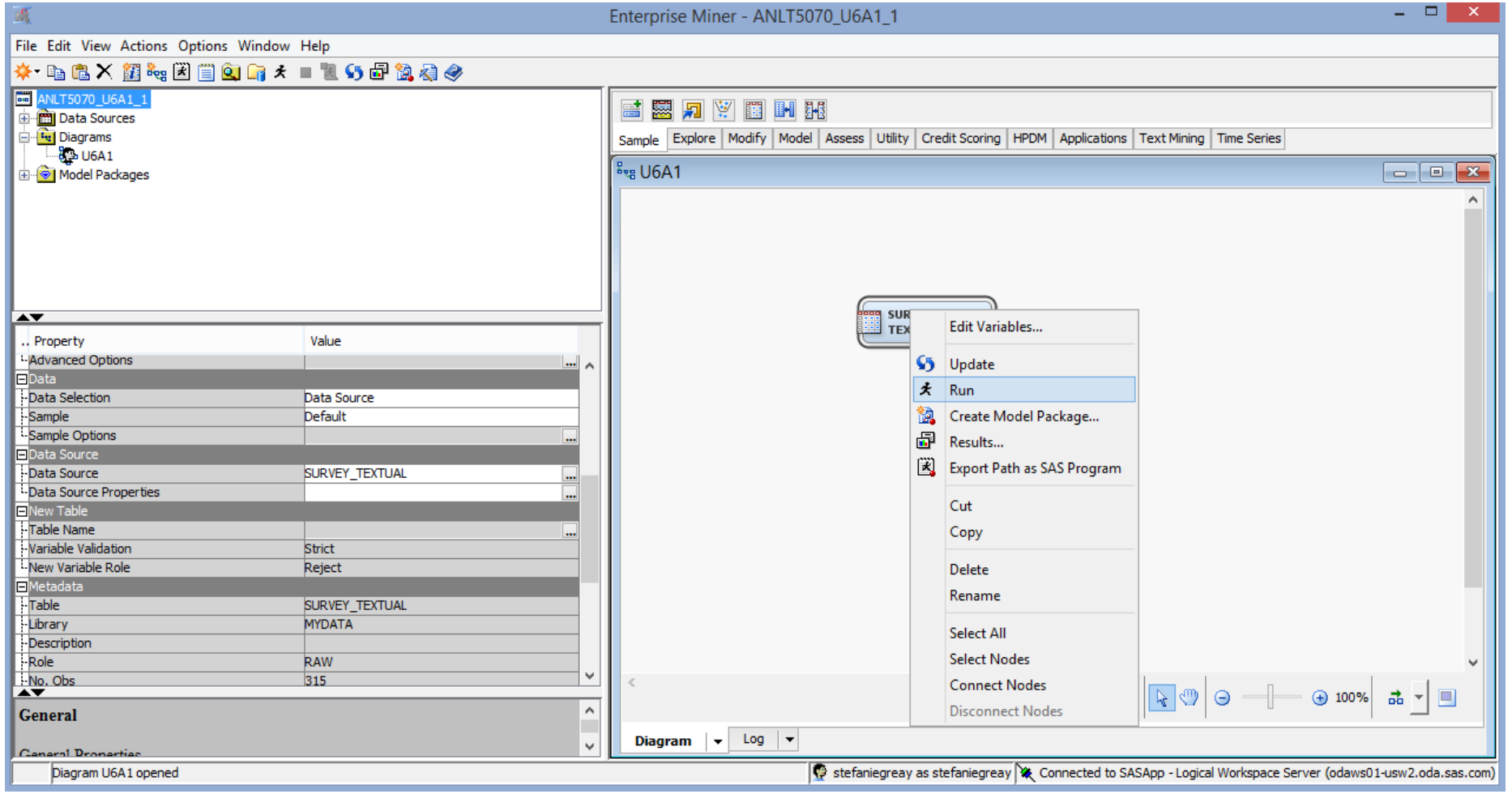
Right click on the dataset node and click “Run.”



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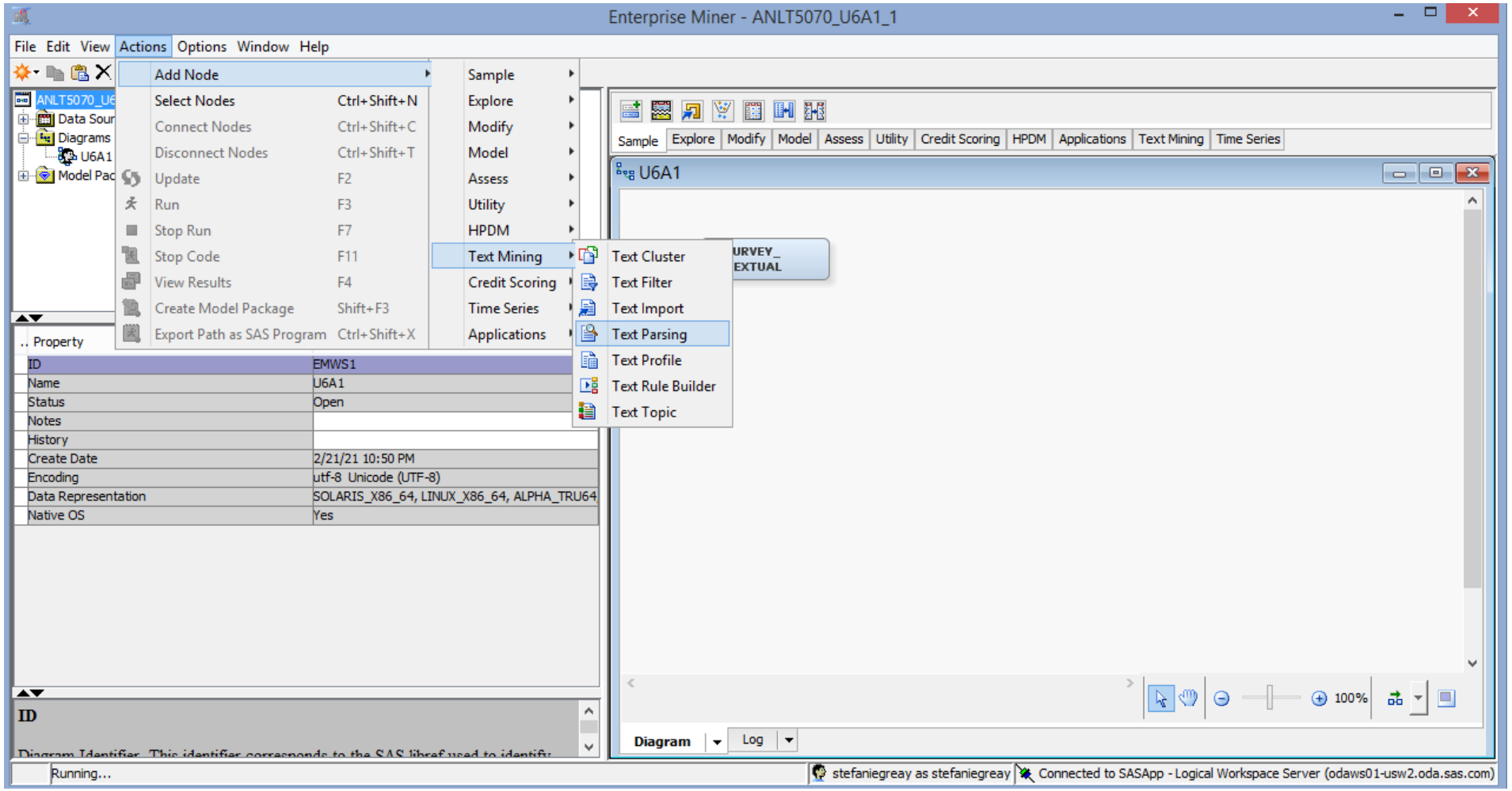
To add the Text Parsing node, click on “Actions”>”Add Node”>”Text Mining”>”Text Parsing”



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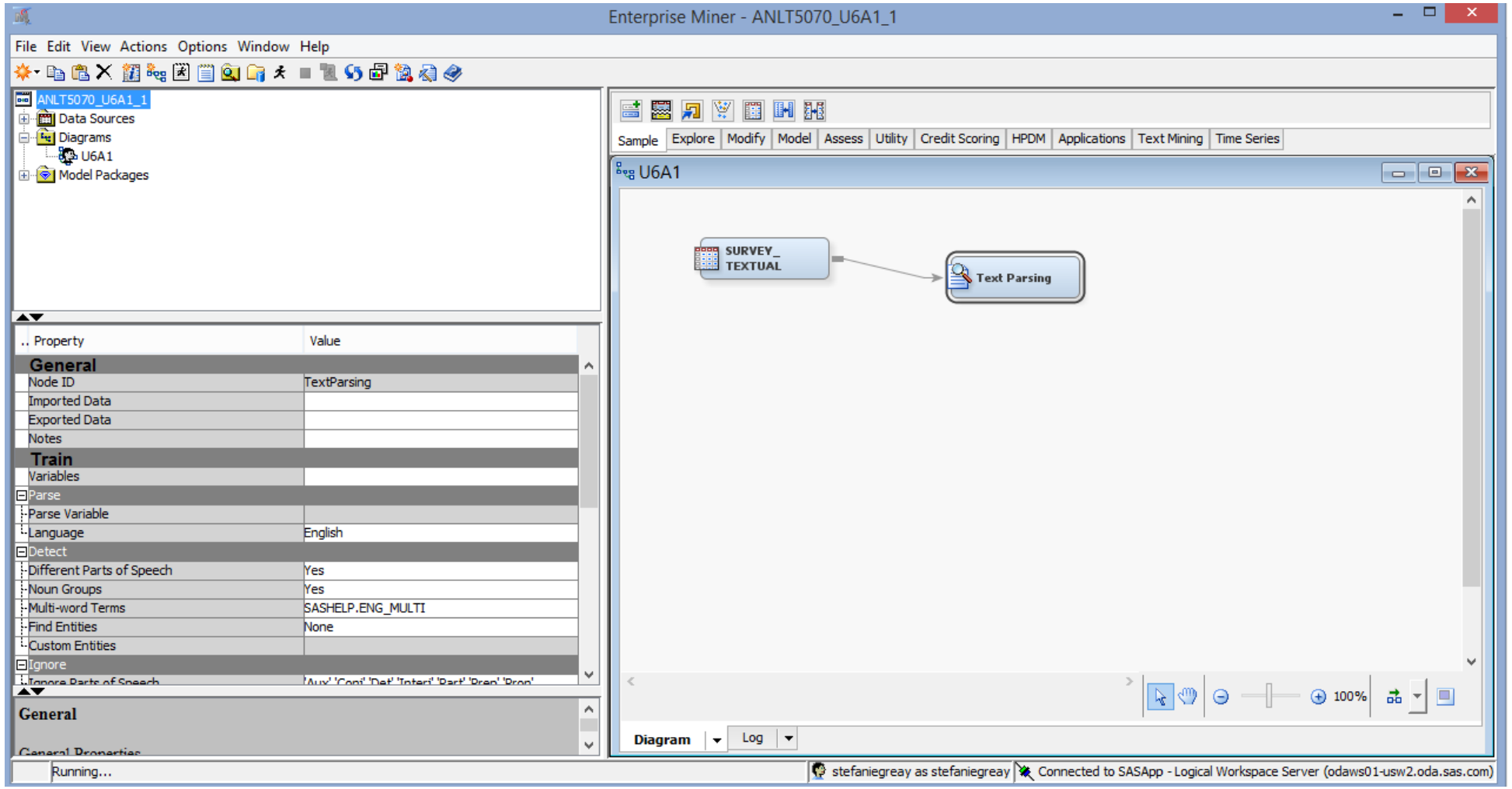
Connect the nodes



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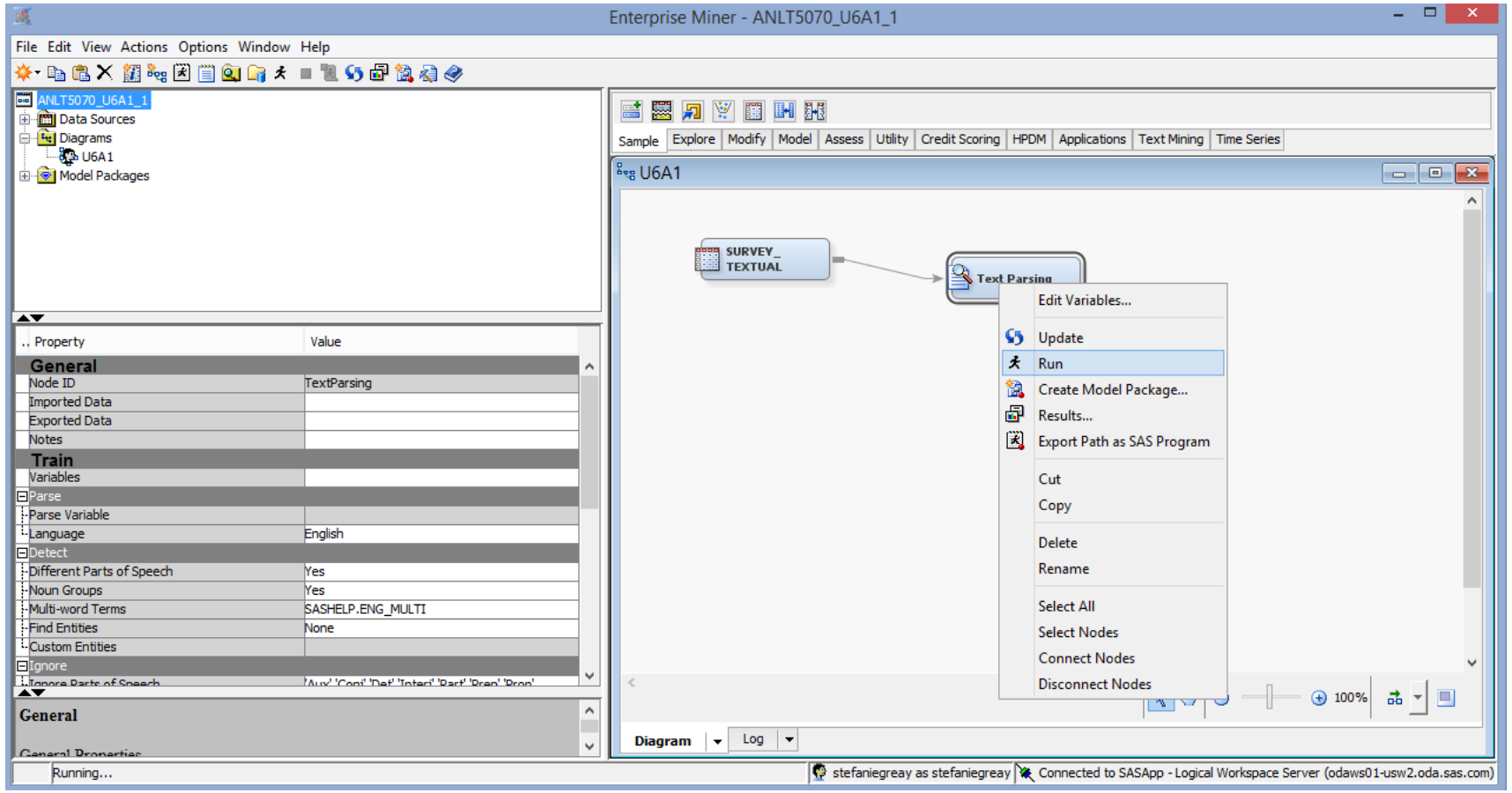
Run the Text Parsing node using the default values by right clicking and selecting “Run.”



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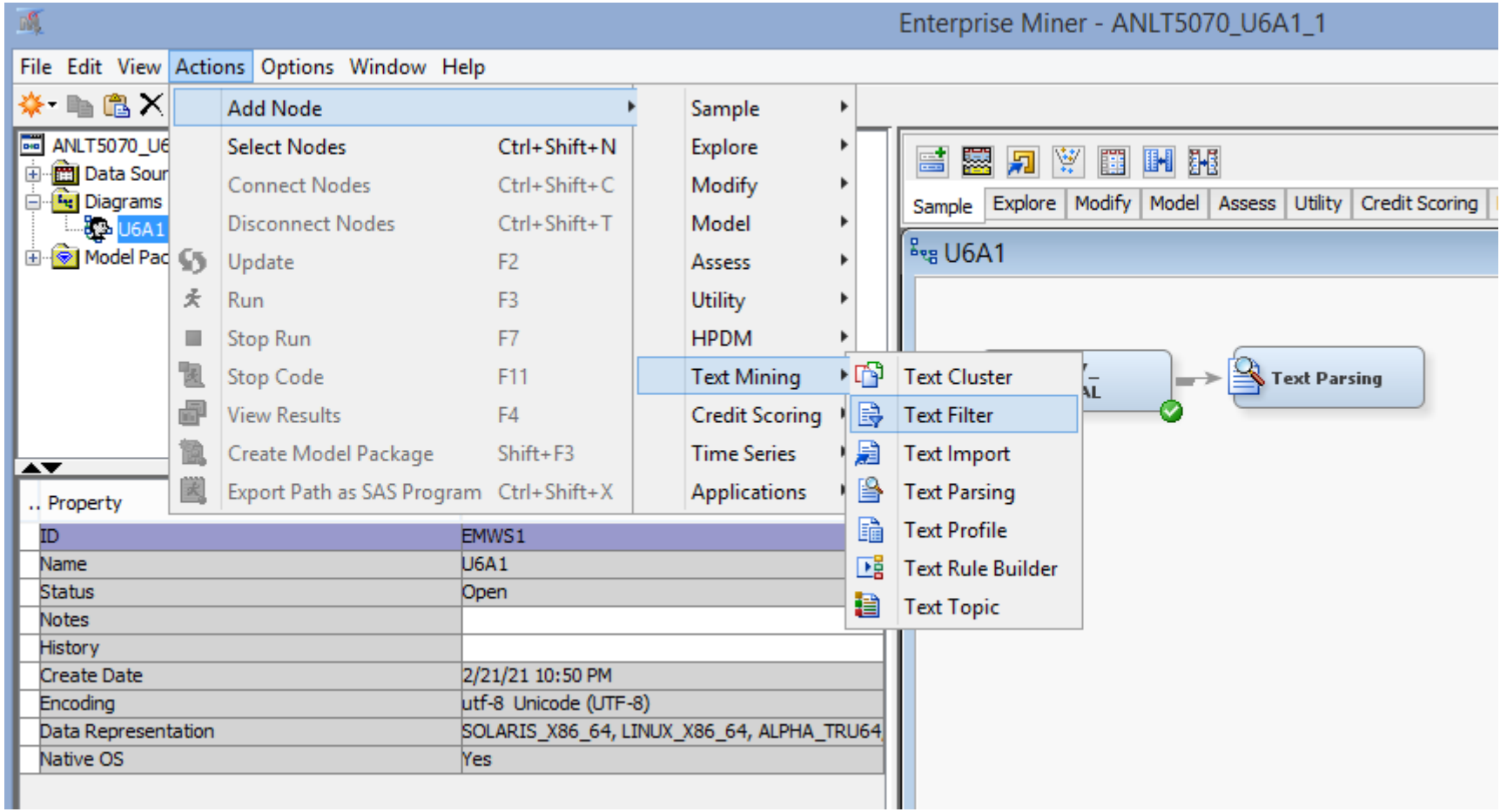
To add the Text Filter node, click on “Actions”>”Add Node”>”Text Mining”>”Text Filter”



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Connect the nodes

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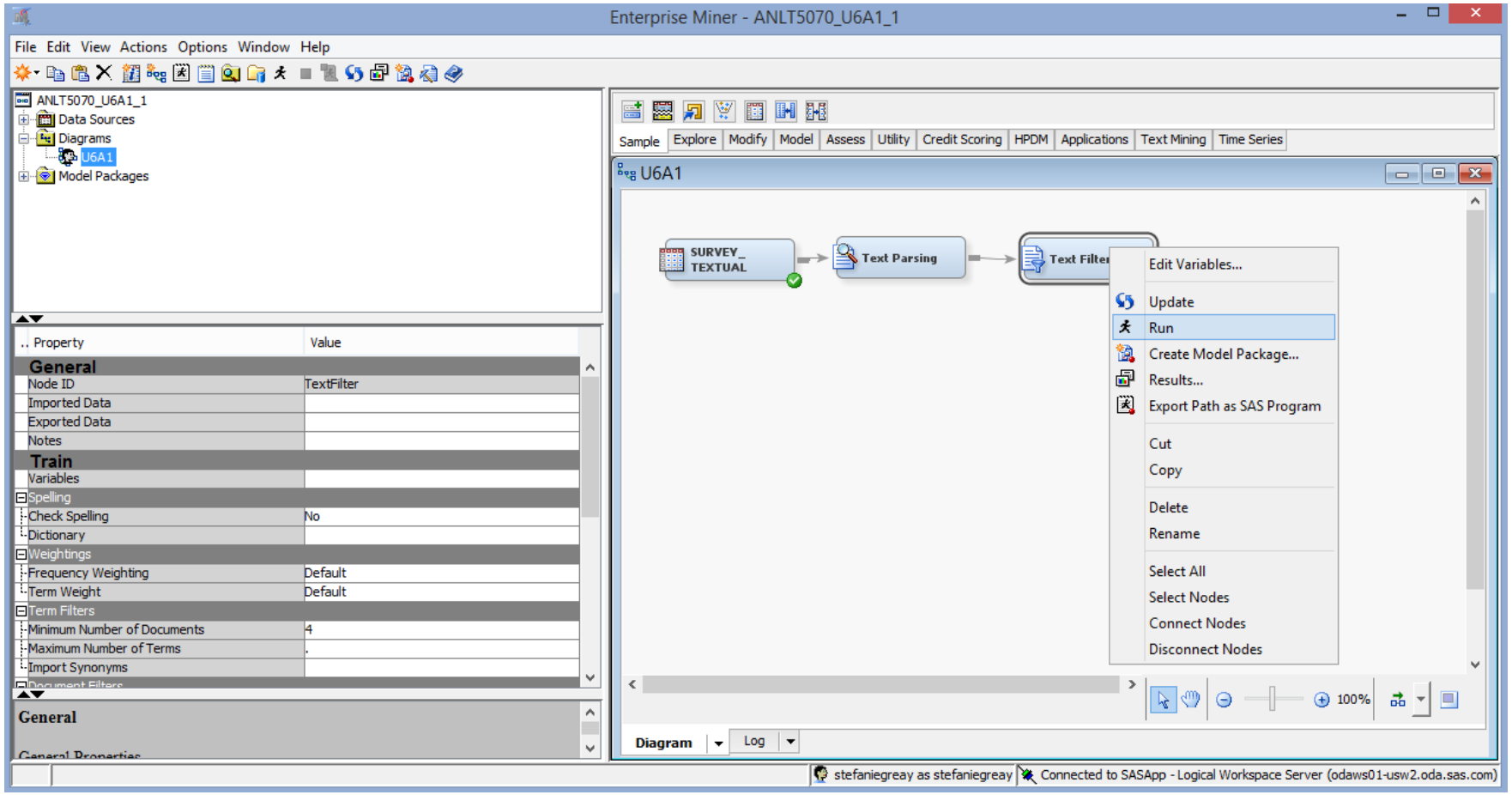
Run the Text Filter node using the default values by right clicking and selecting “Run.”



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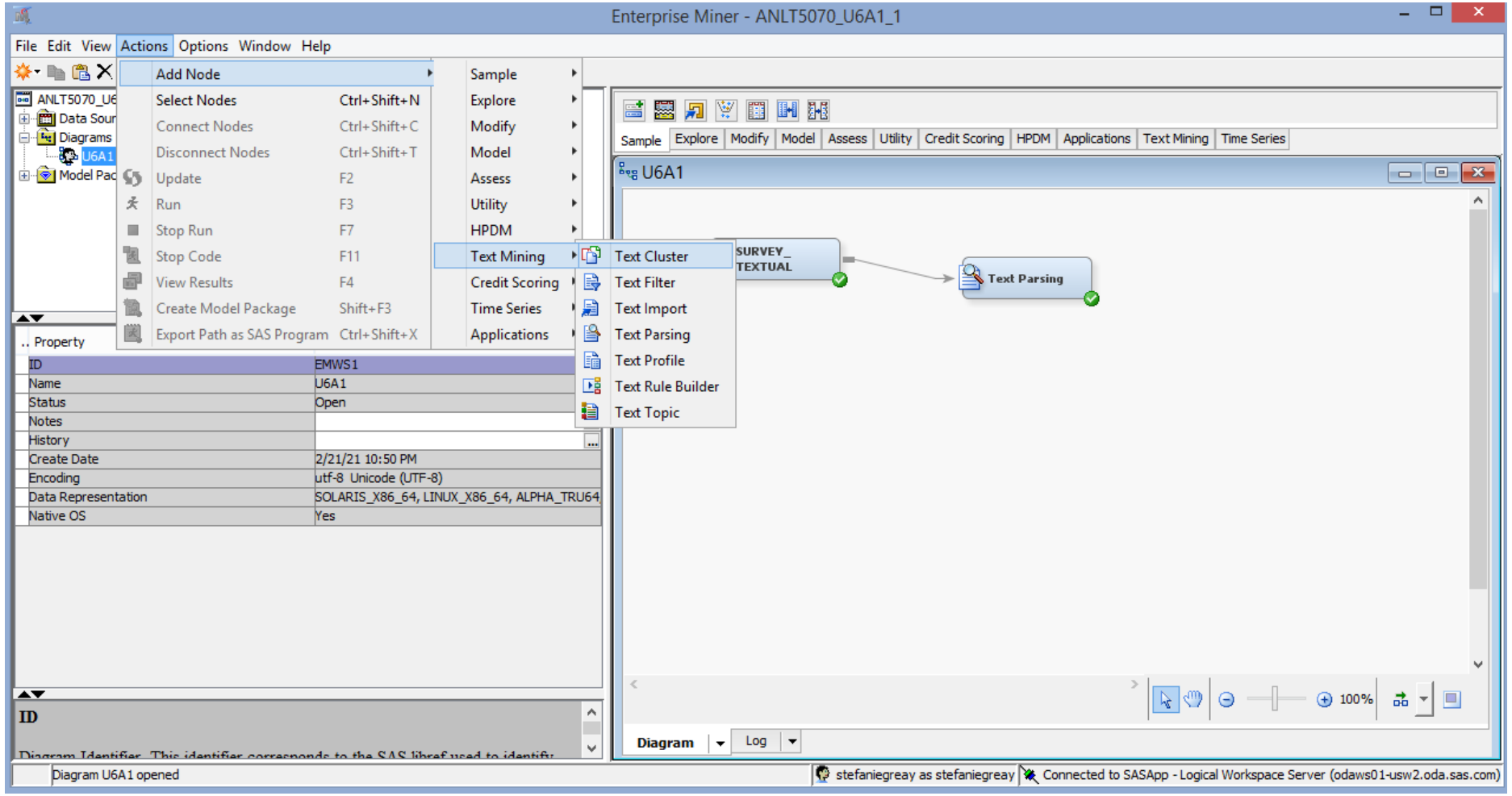
Add the Text Cluster node by clicking on “Actions”>”Add Node”>”Text Mining”>”Text Cluster”



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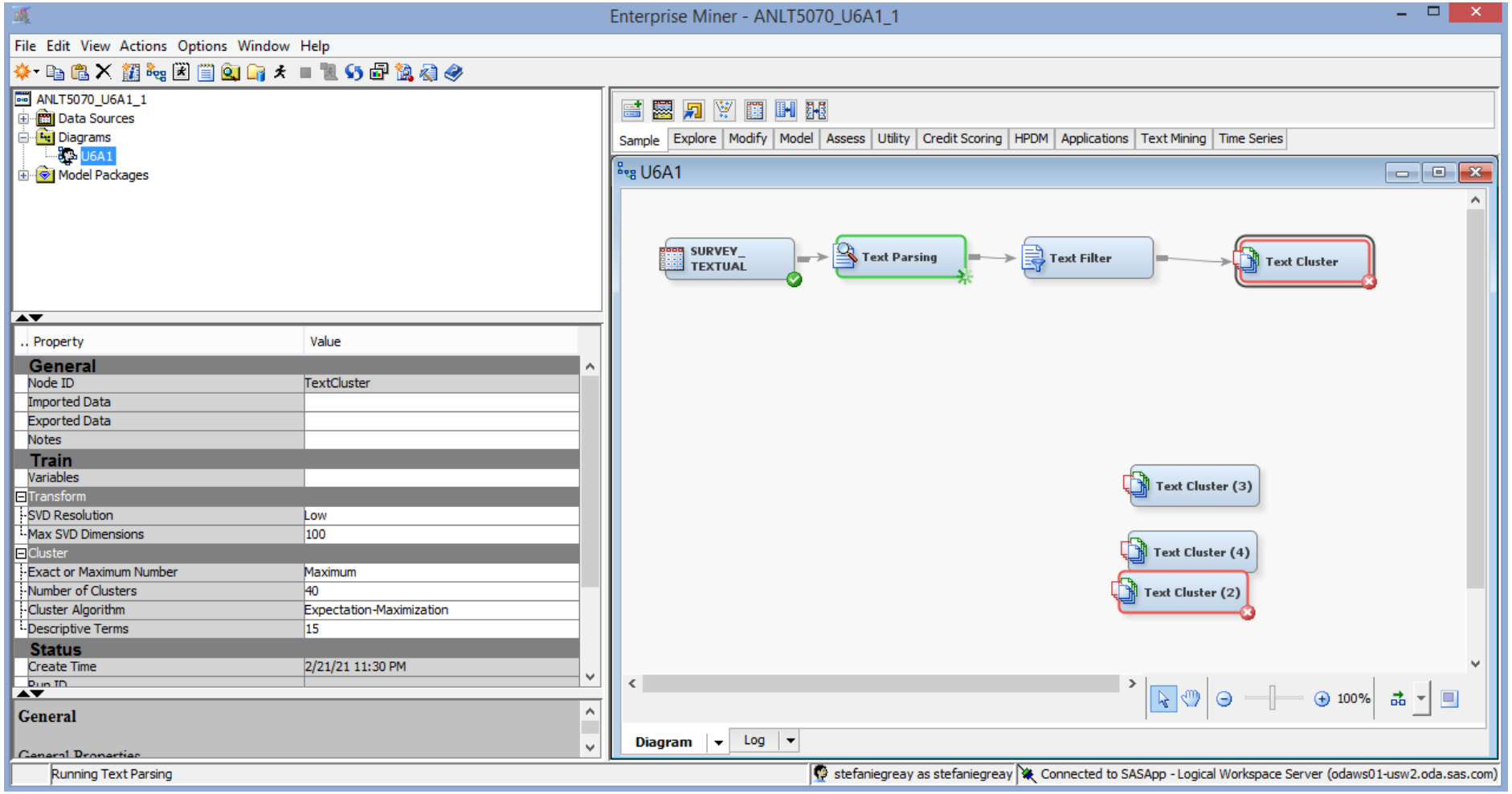
Connect the nodes



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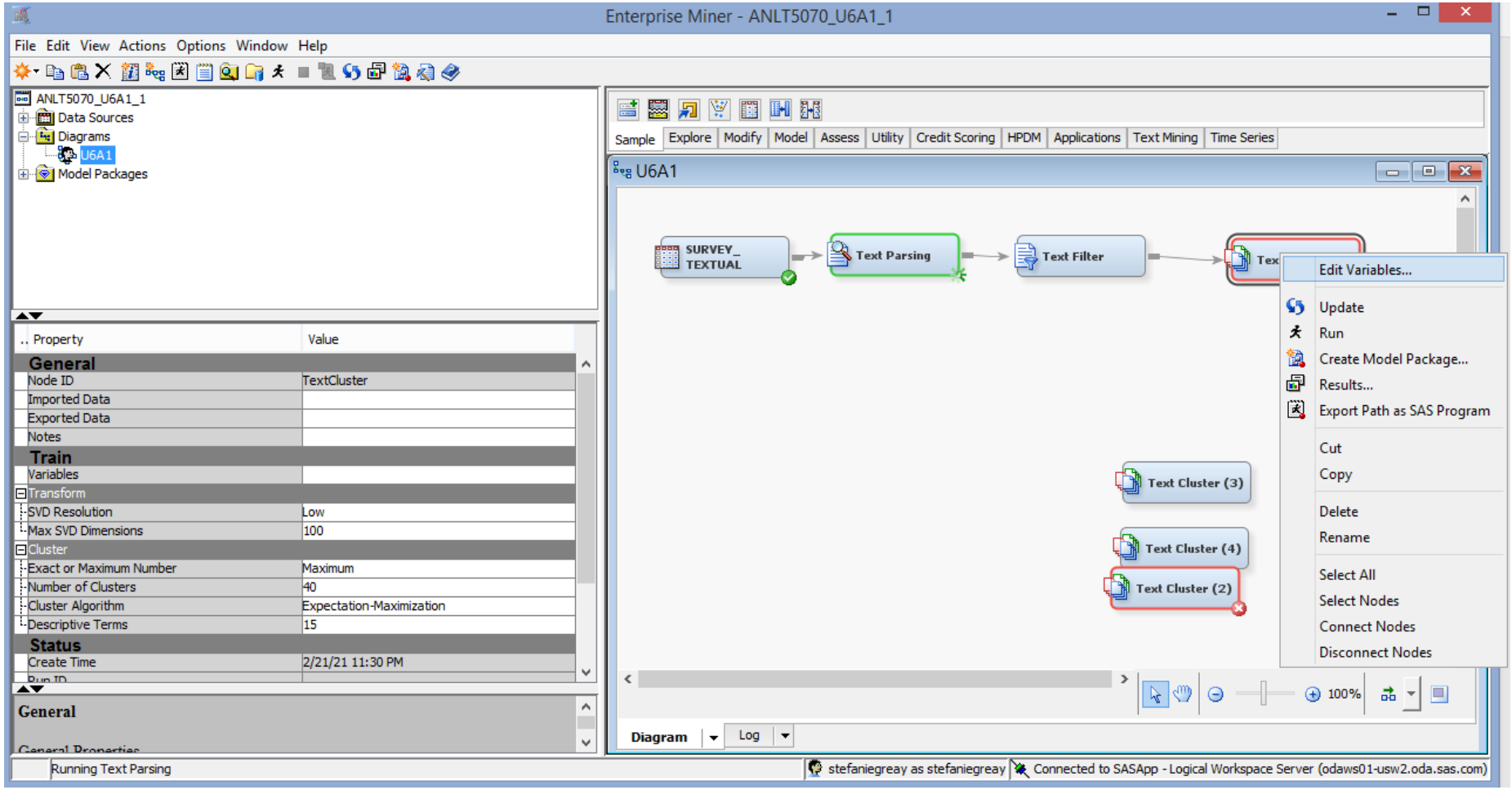
Edit the variables of the Text Cluster node by right clicking on the node and selecting “Edit Variables.”



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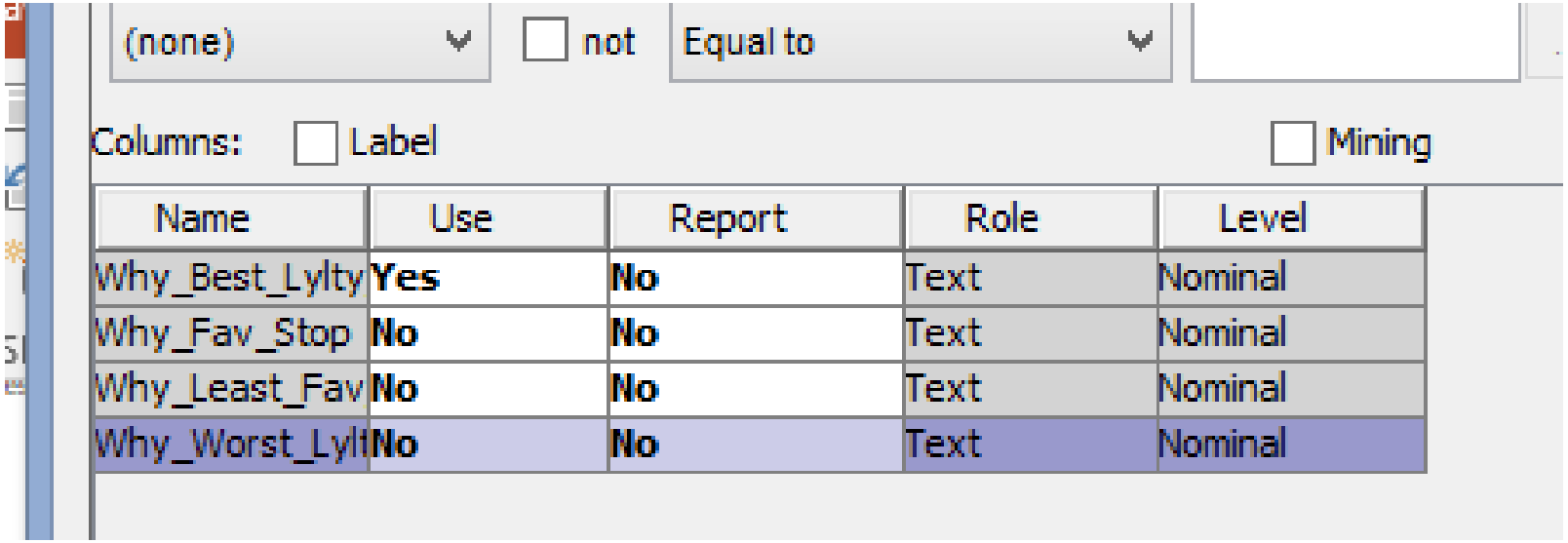
Change all but the first variable to “No” and change the first variable (Why_Best_Lylty) to “Yes” for “Use,” then click OK.

Repeat this process for each of the variables (with one cluster node for each, with only that variable listed as YES for use within each text cluster node).



Name	Use	Report	Role	Level
Why_Best_Lylty	**Yes**	**No**	Text	Nominal
Why_Fav_Stop	**No**	**No**	Text	Nominal
Why_Least_Fav	**No**	**No**	Text	Nominal
Why_Worst_Lyl	**No**	**No**	Text	Nominal

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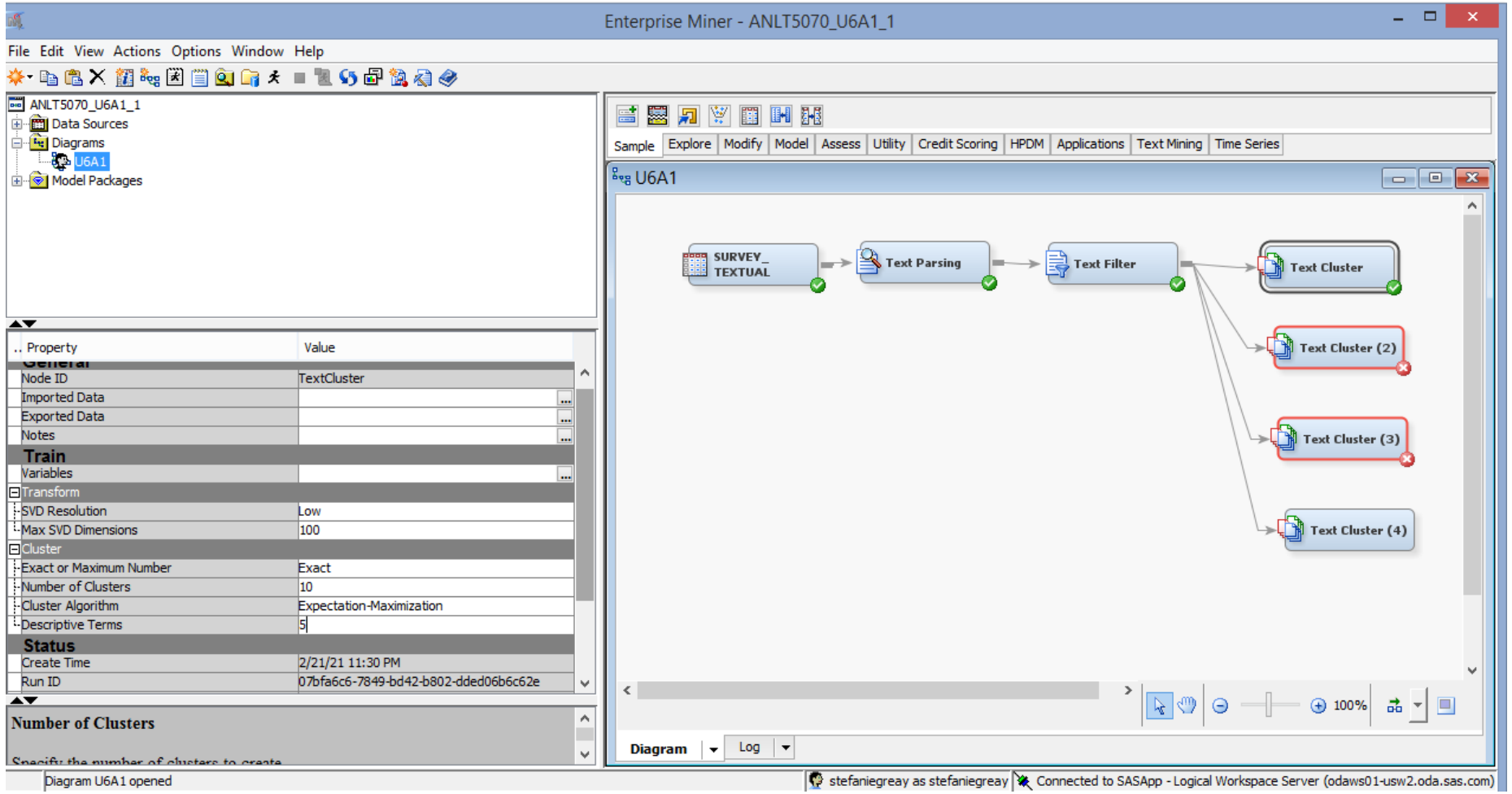
Click on the Text Cluster node and edit the settings in the left property pane as shown



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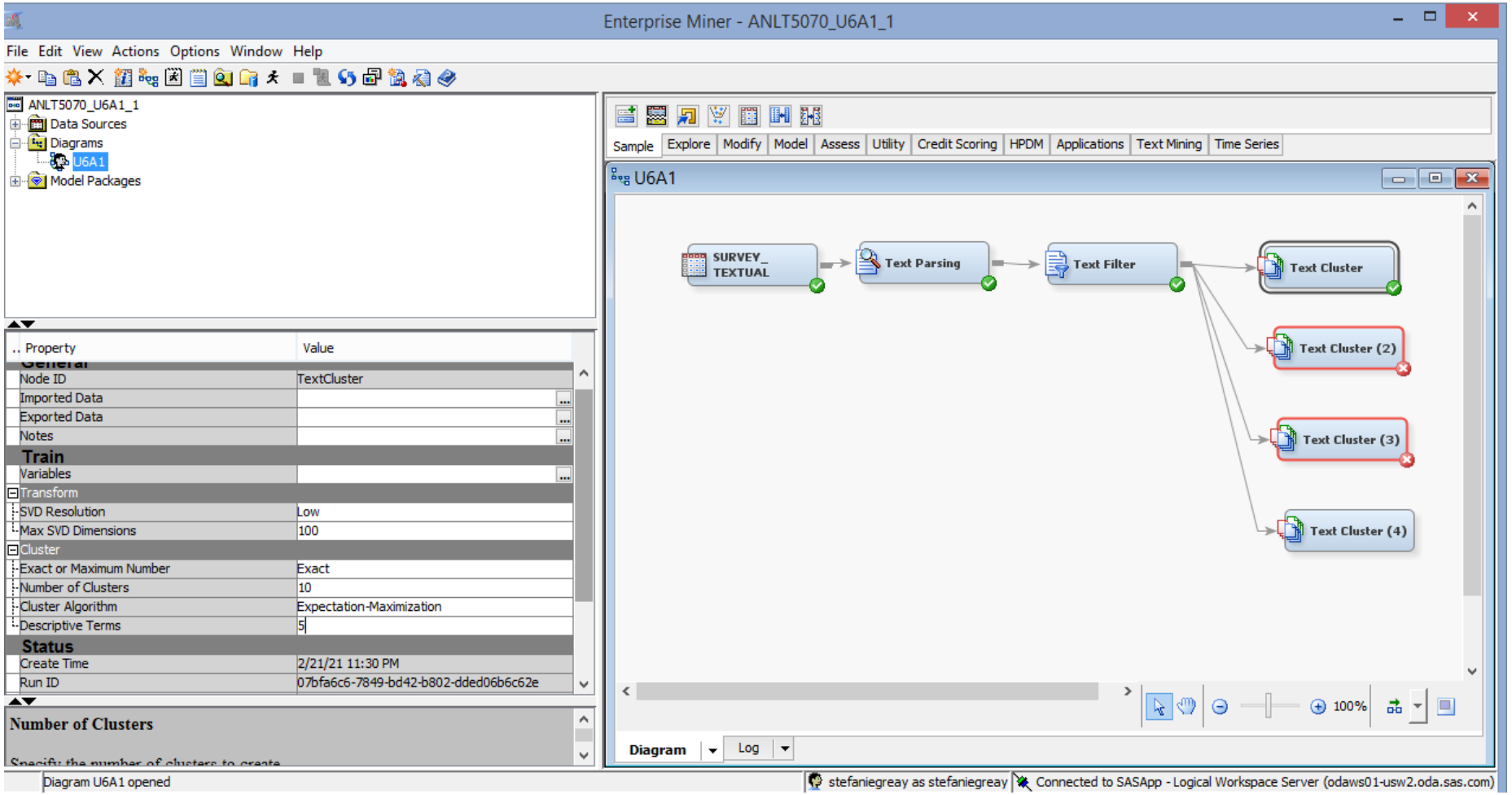
The completed diagram should look like this. Right click on each Cluster Node to run them.



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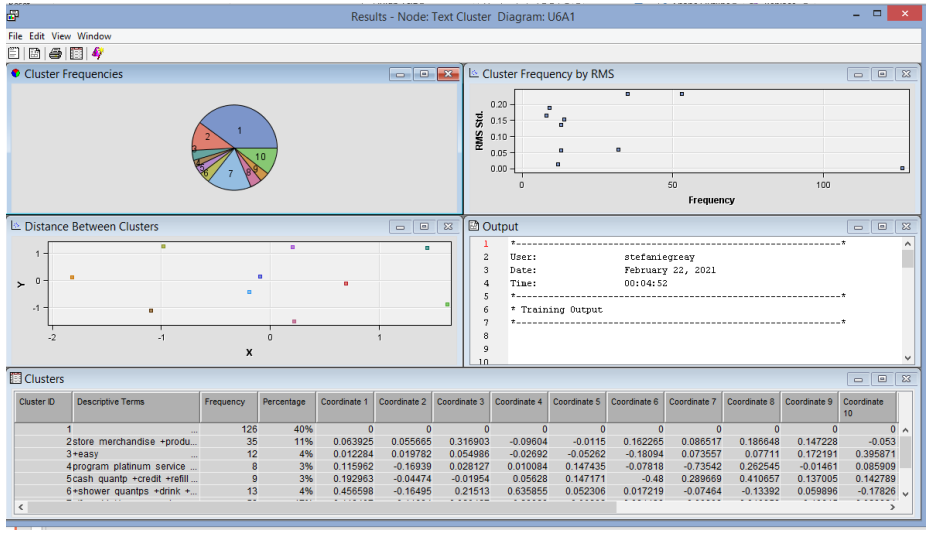
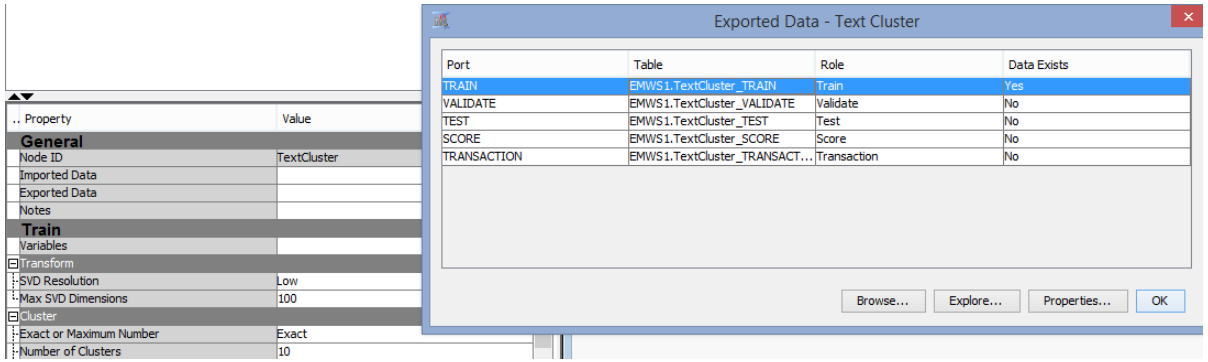
Remember to edit the appropriate areas within the text parsing and text filtering nodes to utilize a dictionary, change parts of speech options, etc. as we have in previous assignments.

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.





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