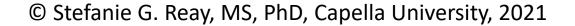
#### **ANLT5070**

Unit 5 Assignment 1 Tutorial

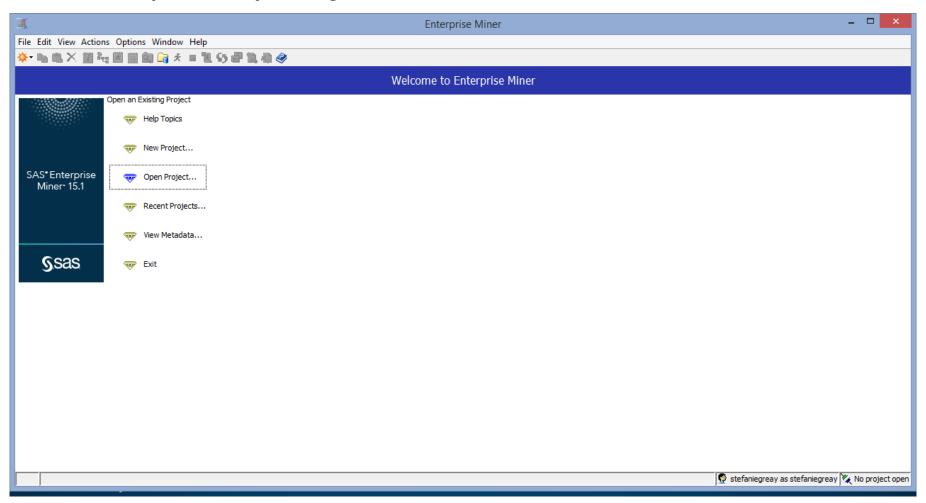




### Open project created in Unit 1 and added to in Unit 2, 3, and 4.

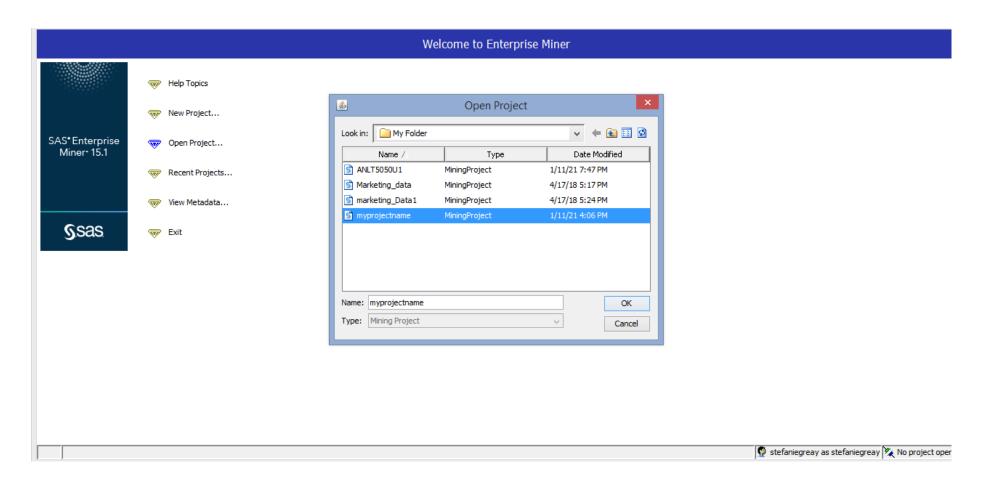
- This assignment is a continuation of the Unit 1 Assignment 1, Unit 2 Assignment 1, Unit 3 Assignment 1, and Unit 4 Assignment 1 assignments. If you have not successfully completed these, or you have lost your work for them, please re-watch and re-complete those steps first.
- This assignment focuses on the exploring the text topics portion of the text analytics project.

#### Click on open project



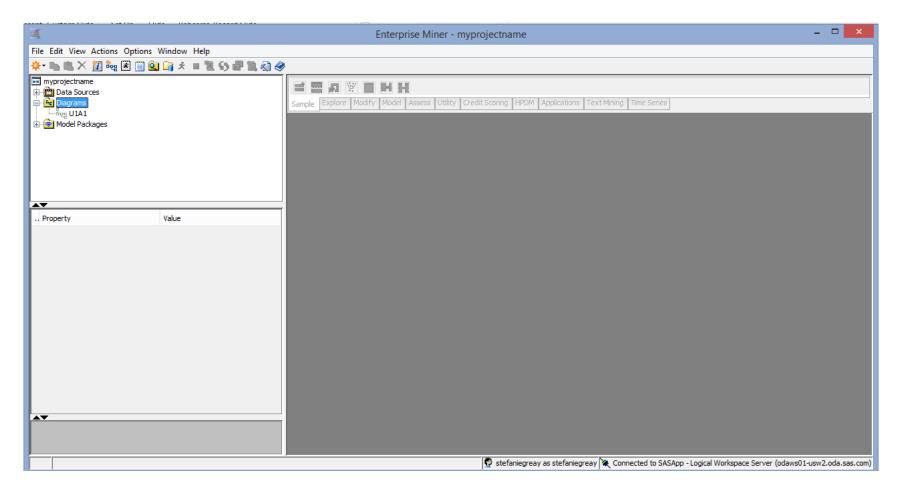


## Select the project you created in U1A1, and click "OK" to open the project.



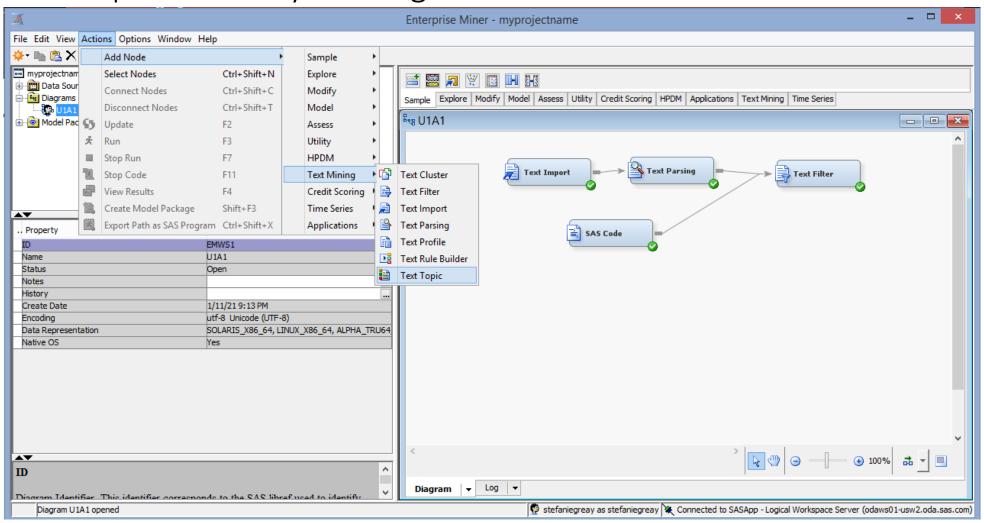


# Click on "Diagrams," navigate to the diagram you created, and double click on it to open it.



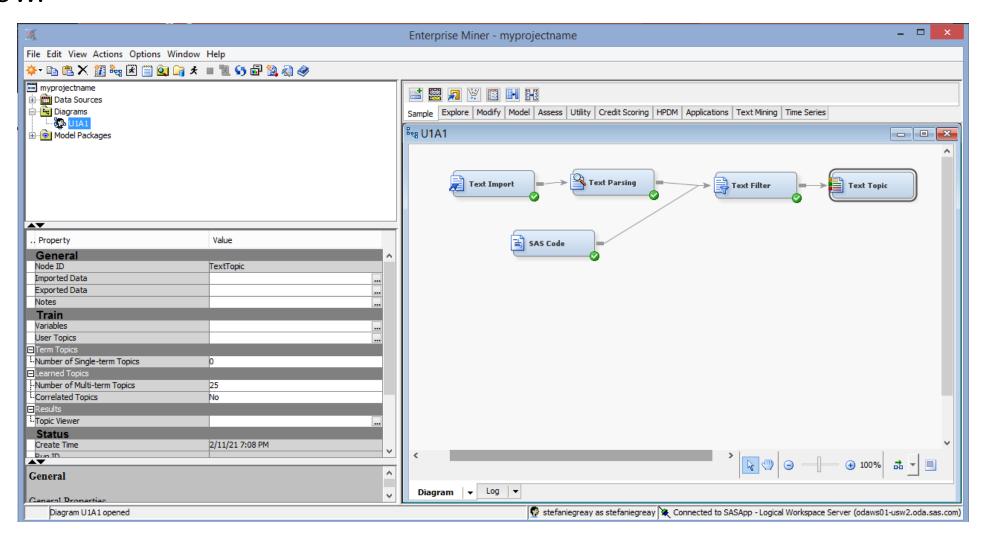


#### Click on "Actions" > "Add Node" > "Text Mining" > "Text Topic" to add the Text Topic node to your diagram



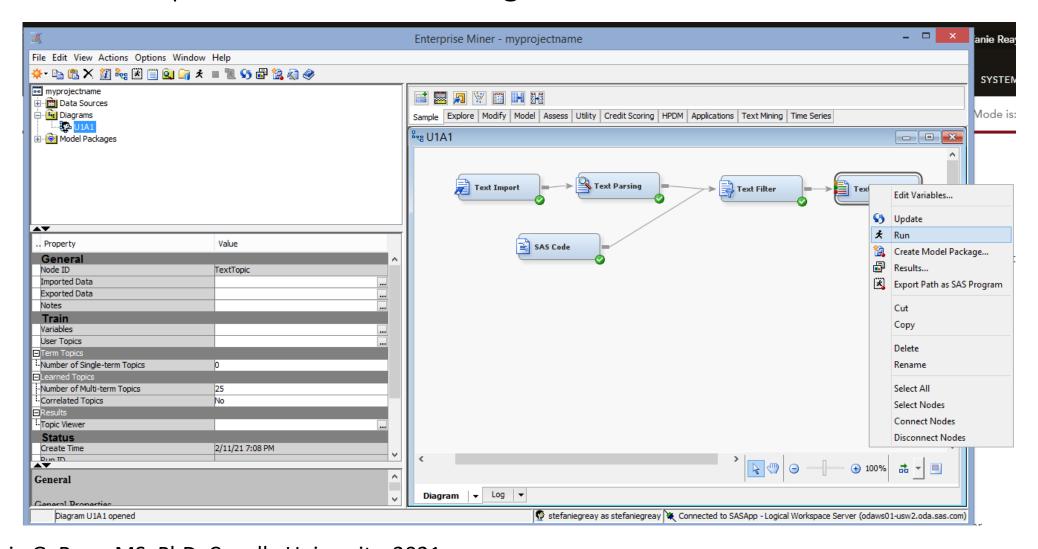


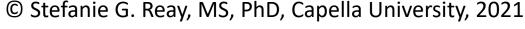
Connect the Text Topic node to the Text Filter node using the connection arrow.





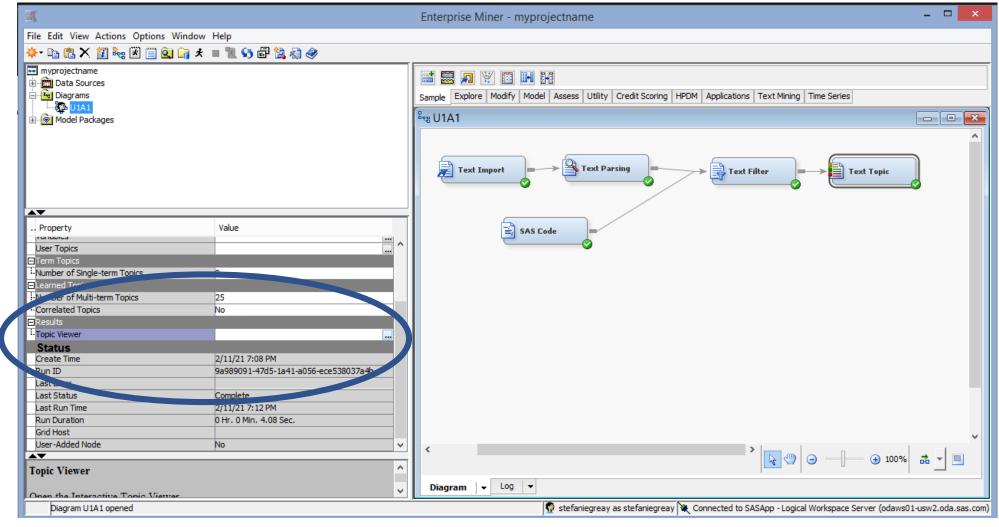
Run the Text Topics node (and the path that precedes it) by right clicking on the Text Topics node and selecting "Run."







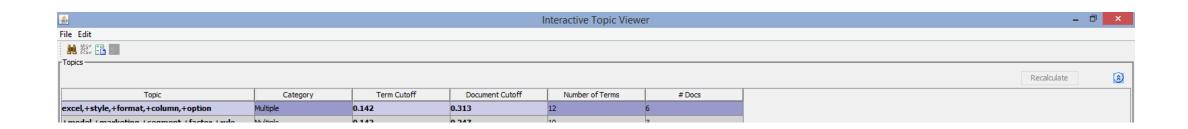
Click on the ellipses (3 dots) next to "Topic Viewer" to open the interactive topic viewer.





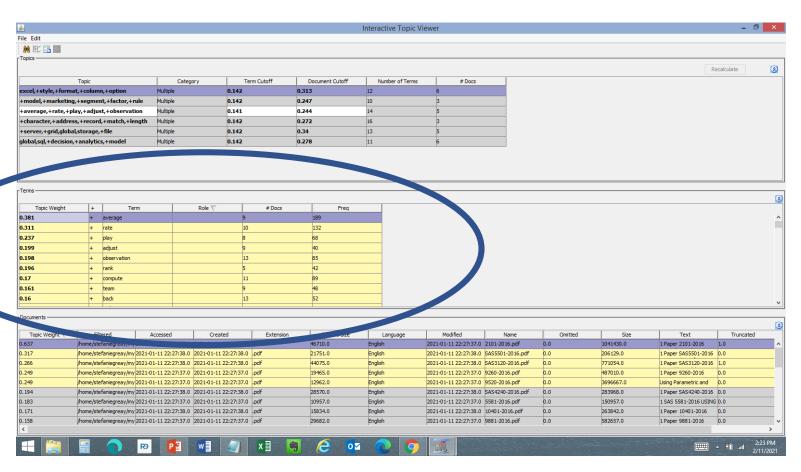


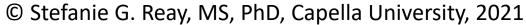
The Topics table will display as part of the Topics Explorer window, along with the number of documents that contain that topic. You can explore the other panes (Terms and Documents) for each topic by clicking on the topic in the topic table.





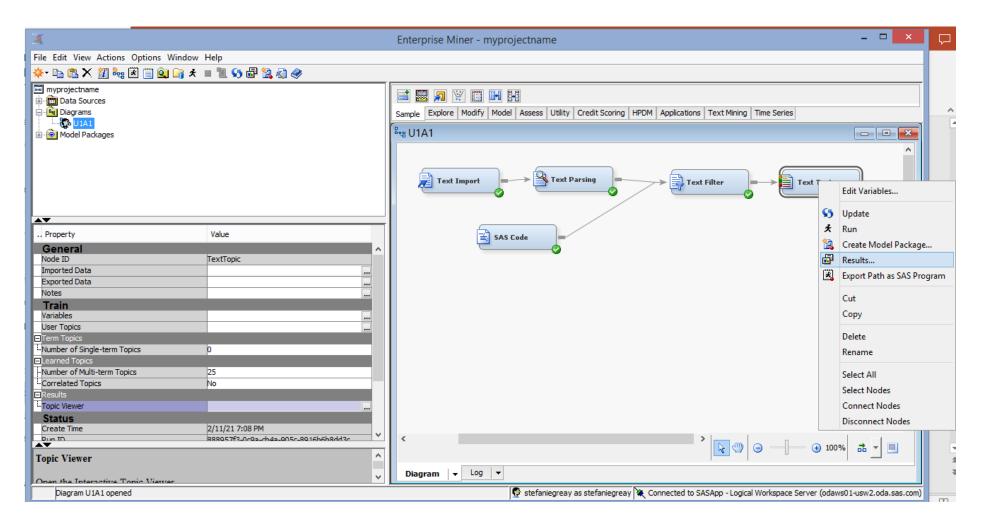
The terms window summarizes the terms included in each of the topics, their weights, frequencies, and documents they show up in.







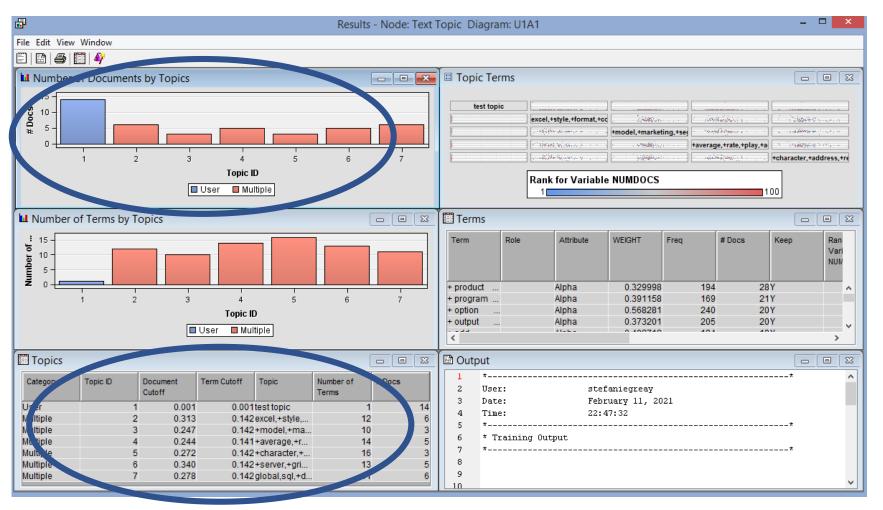
You may review the initial results by right clicking on the "Text Topic" node and selecting "Results."

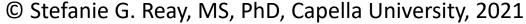






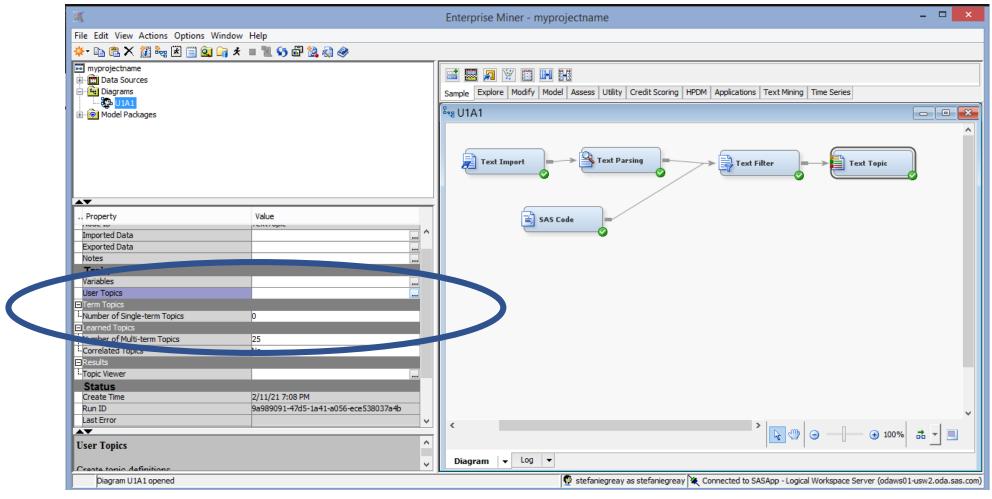
In the results is where you will find the Topics table and the Number of Documents by Topic chart. Enlarge each of these individually and take a screenshot, as requested in the assignment. (Yours should not have a "user" category topic yet.)







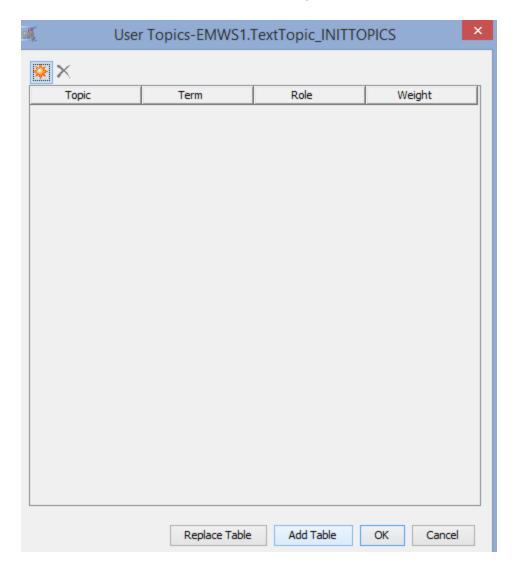
To add user-defined topics, return to the main menu pane of the Text Topics node by clicking on the Text Topics node, and then click the ellipses next to "User Topics."







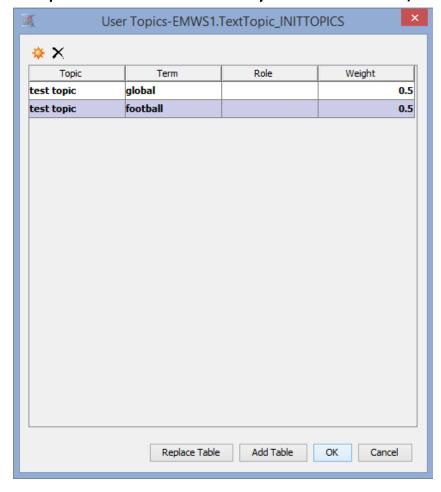
You can add your custom multi-term topic in this user topics menu.



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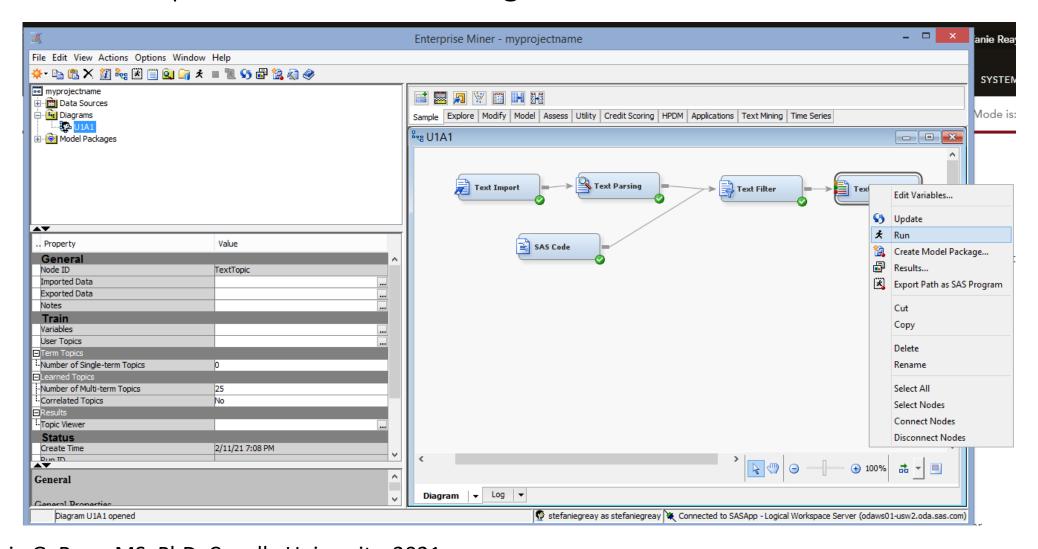


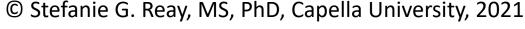
Add one row per term per topic, and be sure to spell and capitalize your topic the same in each row. Click "OK" to add the user topic. (DO NOT USE THIS TEST TOPIC...please create your own.)





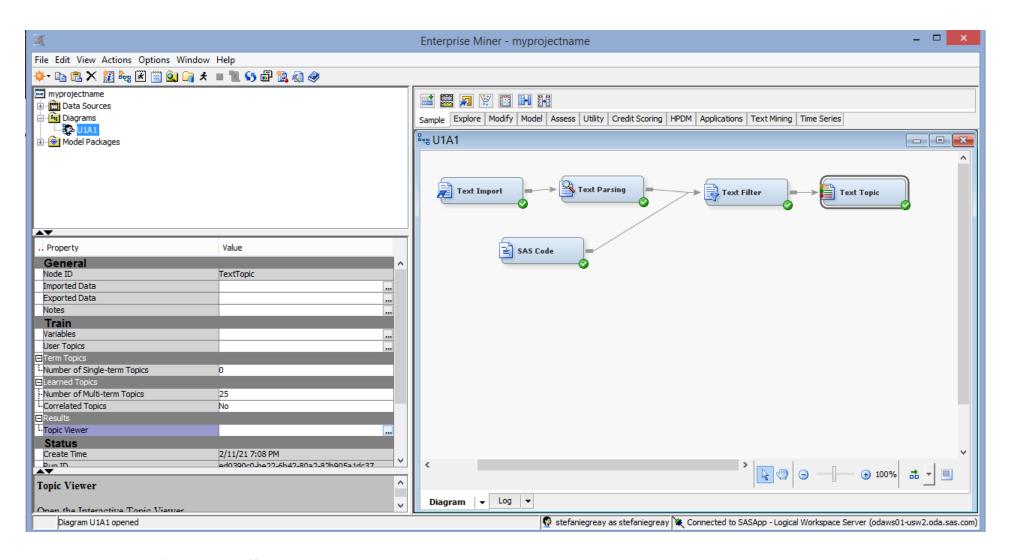
Run the Text Topics node (and the path that precedes it) by right clicking on the Text Topics node and selecting "Run."





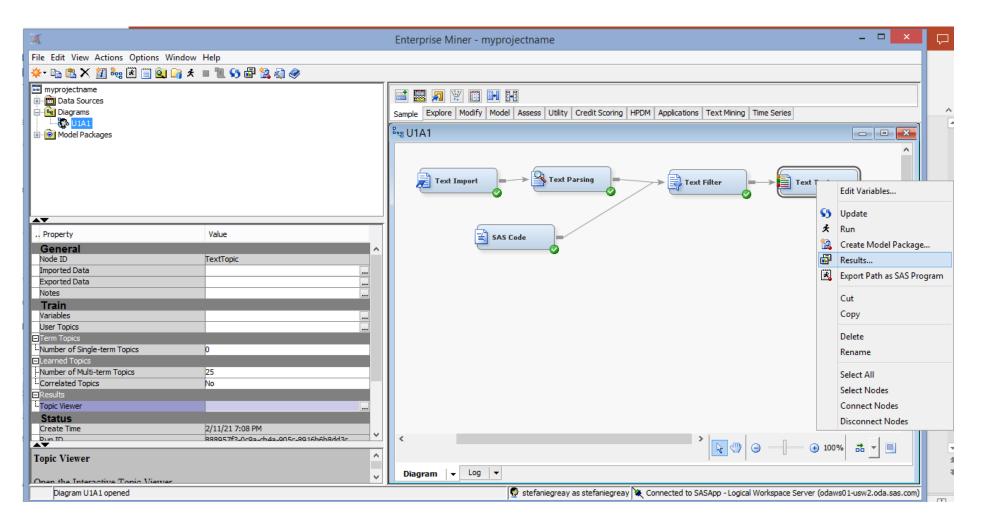


Click on the ellipses next to "Topic Viewer" to review the topics.





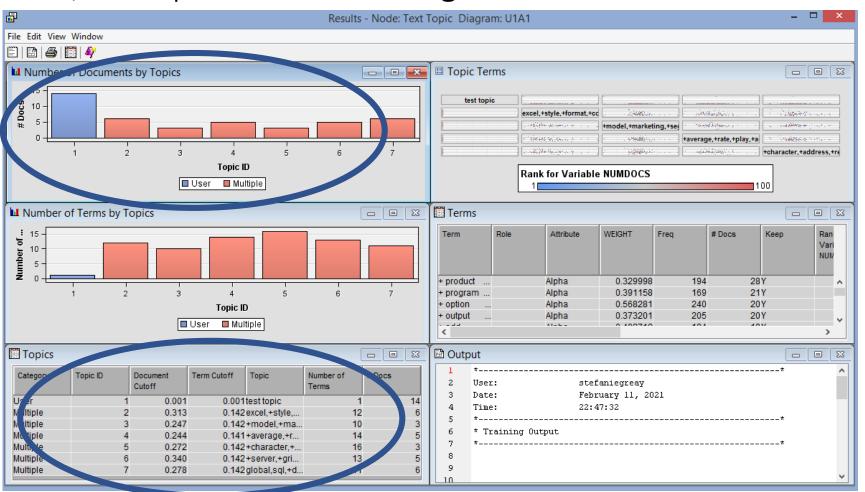
You may review the results by right clicking on the "Text Topic" node and selecting "Results."







In the results is where you will find the Topics table and the Number of Documents by Topic chart. Enlarge each of these individually and take a screenshot, as requested in the assignment.







### Follow the steps outlined in the text below to evaluate the success of the import of the pdf files.

- Chakraborty, G., Pagolu, M., & Garla, S. (2014). Text mining and analysis: practical methods, examples, and case studies using SAS. SAS Institute. <a href="https://capella.skillport.com/skillportfe/main.action?path=summary/BOOKS/59026">https://capella.skillport.com/skillportfe/main.action?path=summary/BOOKS/59026</a>
- Direct link to Chapter 6 Clustering and Topic Extraction:

https://capella.skillport.com/skillportfe/assetNonSSOLaunch.action?courseName= ss chapter:59026-342485391&courseType=7

(Text Topic Node is at the bottom of the chapter)

SAS Documentation on the Text Topic Node:

https://documentation.sas.com/?docsetId=tmref&docsetTarget=n1sw3r97922sgmn1tqbwayrgn9eo.htm&docsetVersion=14.3&locale=en