

Importing an Excel File into SAS Enterprise Miner

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Sources (adapted with permission)-

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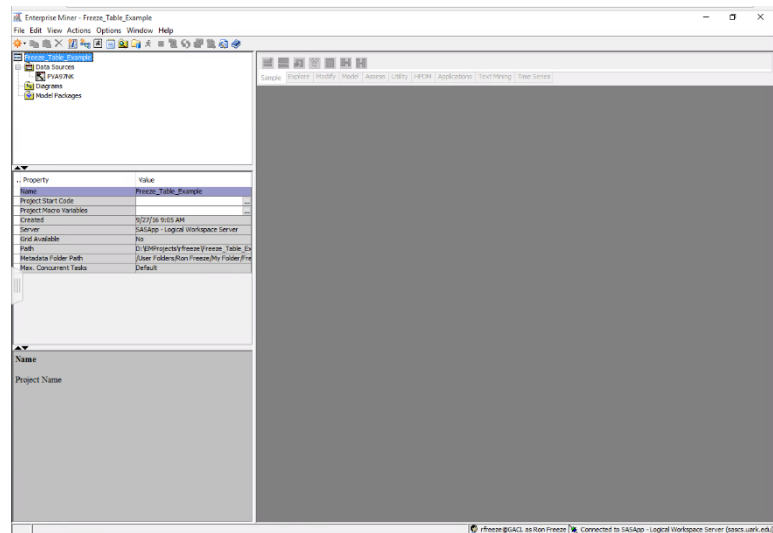
Importing an External File

In SASEG0, you used Enterprise Miner to connect to a SAS Data Source. While this is the preferred method for connected data to Enterprise Miner, there may be times you wish to import data from an Excel file. First, make sure you know where the data file is loaded on your local computer. If you saved your project from SASEG0 section 3, you can open that project and the screen should look like the following.

In order to import a data file, you will first need to create a diagram.

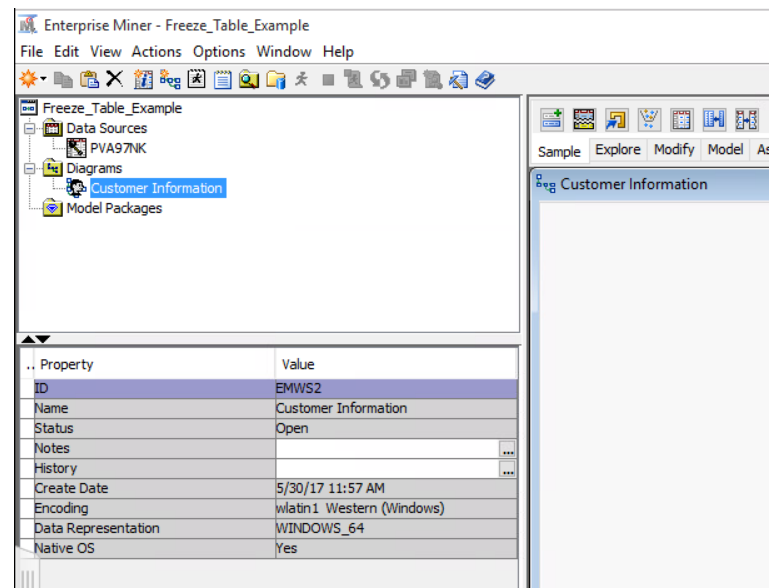
Creating a diagram

- Right click on diagram in the Task Tree
- Select **Create Diagram**
- Name your diagram as **Customer Information**
- OK** – your diagram should be created with the **Customer Information** indicated at the top of the diagram



Adding the Import Node

- Where the SEMMA tabs are located, select the **Sample** tab if it is not already selected
- Mouse over the icons to find the **File Import** node
- Drag and drop the **File Import** node to the diagram
- Note that the property panels on the left have five sections: **General**, **Train**, **Score**, **Report** and **Status**



File Import

- Under **Train**, select the **Import File** item and click on the properties indicated by the three dots.
- Select the **SAS Servers** radial button and **Browse**
- Go up one level and select the following path – **D: > ISYS 5503--> ISYS 5503 Shared Datasets**
- Select **CustomerInformation.xls**
- Click **OK** and **OK**

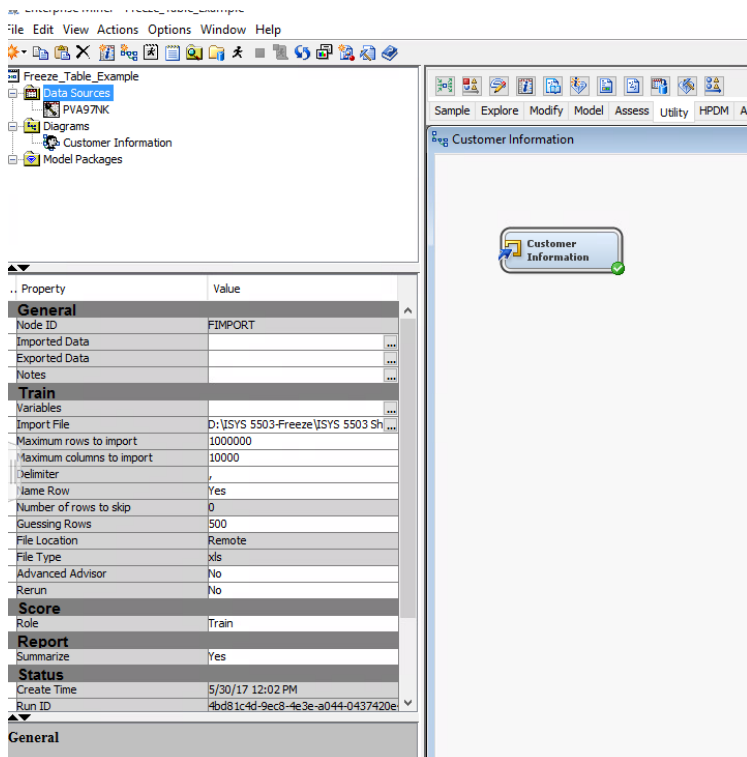
Rename your Node

- n. Right click on the **Import File** node
- o. Select **Rename** and enter **Customer Information** as the node name

At this point, you can start your analysis of the data by dragging and dropping additional nodes. However, it is advisable to save your file as a SAS dataset in order to connect using the Data Sources in the Task Tree. This is accomplished with the Export node and has the following steps.

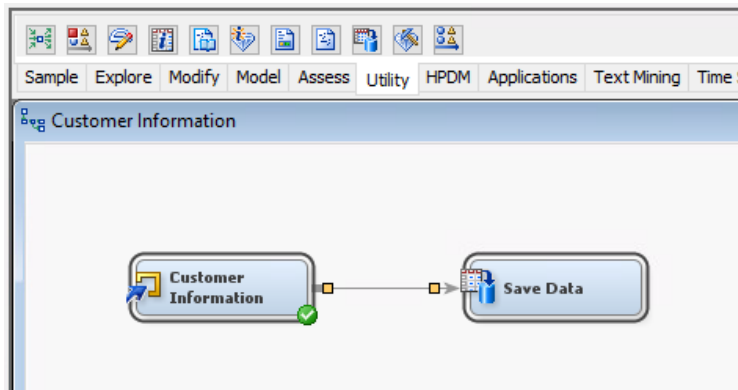
Exporting to a SAS Dataset

- p. Select the **Utility** tab immediately following the **SEMMA** tabs
- q. Drag and drop the **Save Data** node
- r. Mouse over the front of the **Customer Information** node (**Import File** node) until a bar appears
- s. Click and hold
- t. Drag the arrow that appears to the **Save Data** node and release
- u. Rename the **Save Data** node to **Cust Info SAS Dataset**



Create the SAS Dataset

- v. In the property panel on the left, enter the following information
- w. **Train** -> **Output Options** -> Filename Prefix: CustInfo-<your First Name>
- x. **Train** -> **Output Format** -> SAS Library Name: SAS Libraries/ISYS5503/
- y. Right click on the **Cust Info SAS Dataset** and **Run** the path



Using your SAS Dataset

You have now converted your excel file to a SAS Dataset. Connect to **Cust Info SAS Dataset** using the same method from SASEG0. You can now use the **Explore** feature once you have created your data source connection. Your project should look like the following.

Enterprise Miner - Freeze_Table_Example

File Edit View Actions Options Window Help

Freeze_Table_Example

- Data Sources
 - CUSTINFOFREEZE_TRAIN
 - PVA97NK
- Diagrams
 - Customer Information
- Model Packages

Property	Value
ID	custinfofreezetrain
Name	CUSTINFOFREEZE_TRAIN
Variables	
Decisions	
Role	Raw
Notes	
Library	IS5503RF
Table	CUSTINFOFREEZE_TRAIN
Sample Data Set	
Size Type	
Sample Size	
Type	DATA
No. Obs	7361
No. Cols	6
No. Bytes	656384
Segment	
Created By	rfreeze
Create Date	5/30/17 12:45 PM
Modified By	rfreeze
Modify Date	5/30/17 12:45 PM
Scope	Local

ID

Data Source identifier. The metadata tables associated with the data source are stored in the EMDS SAS library and use this identifier as the prefix for naming these tables.

Customer Information

```

graph LR
    A[Customer Information] --> B[Cust Info SAS Dataset]
  
```

Diagram | Log

Run completed

rfreeze@GACL as Ron Freeze | Connected to SASApp - Logical Workspace Server (sascs.uark.edu)