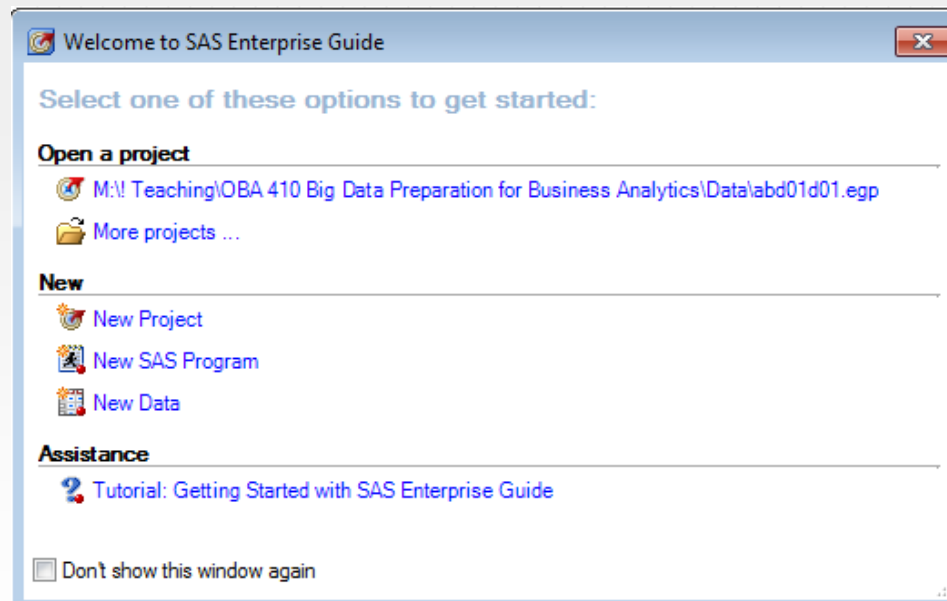


# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace

1. Open SAS Enterprise Guide

When you enter SAS enterprise Guide, the Welcome to SAS Enterprise Guide dialog box opens automatically to enable you to create a new project or open an existing project. Any projects listed under the Open a project heading have a **.egp** file extension.



# Introduction to SAS Enterprise Guide

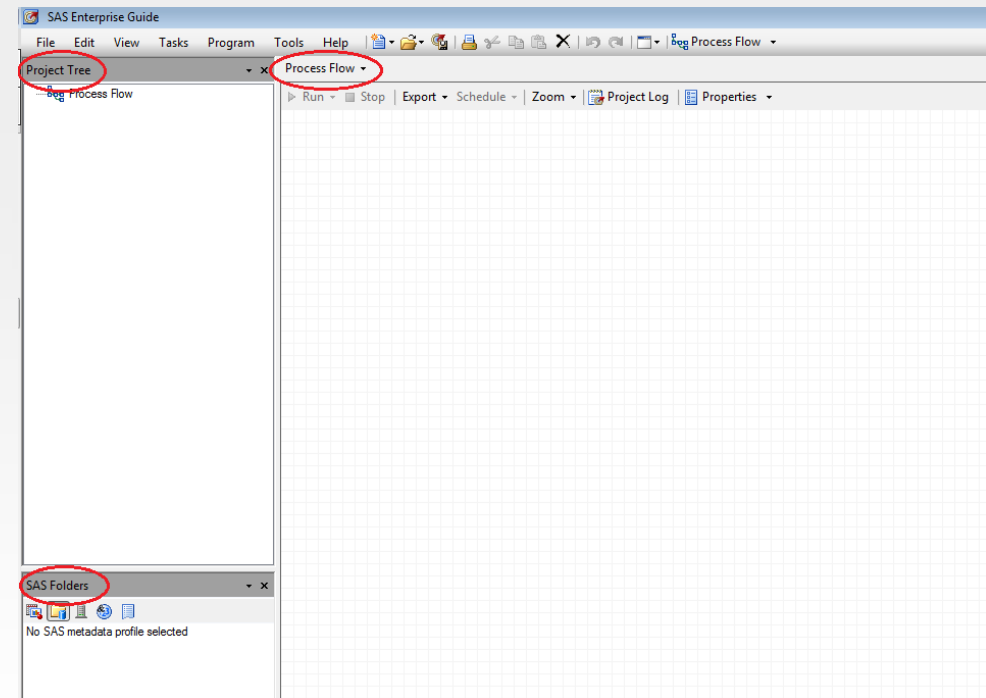
- Demonstration: Navigating SAS Enterprise Guide Workspace

## 2. Select **New Project**

If you do not have a project open in SAS Enterprise Guide, you can also select **File > Open > Project** to open an existing project. You can create a new project by selecting **File > New > Project**.

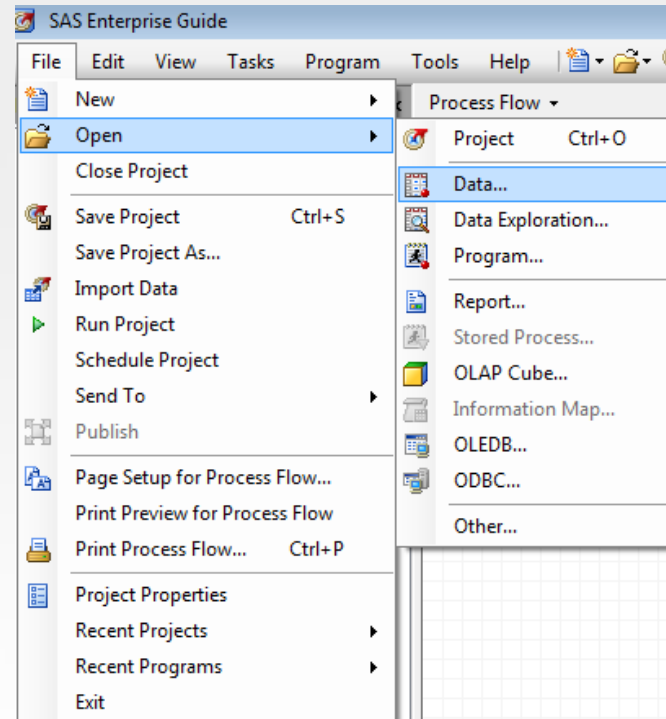
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  3. SAS Enterprise Guide displays three main windows by default. Notice the windows labeled as follows:
    - Project Tree
    - Process Flow
    - Server List



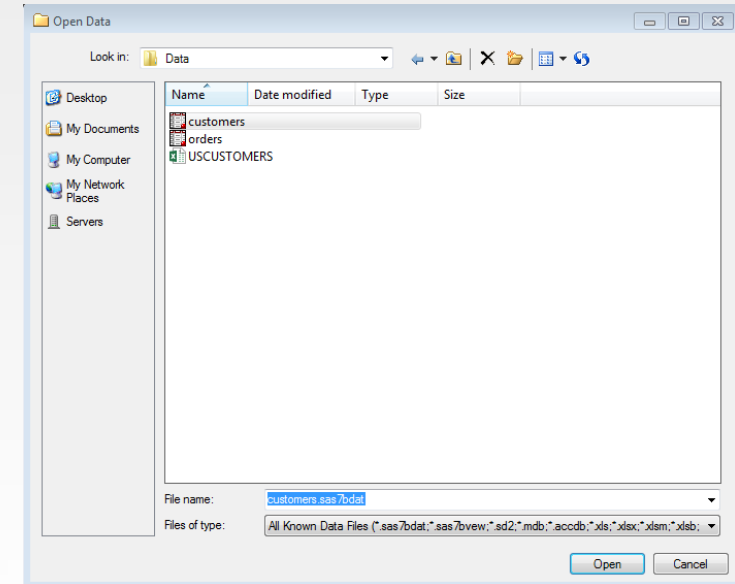
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  4. Insert an existing SAS data set by selecting **File > Open > Data**



# Introduction to SAS Enterprise Guide

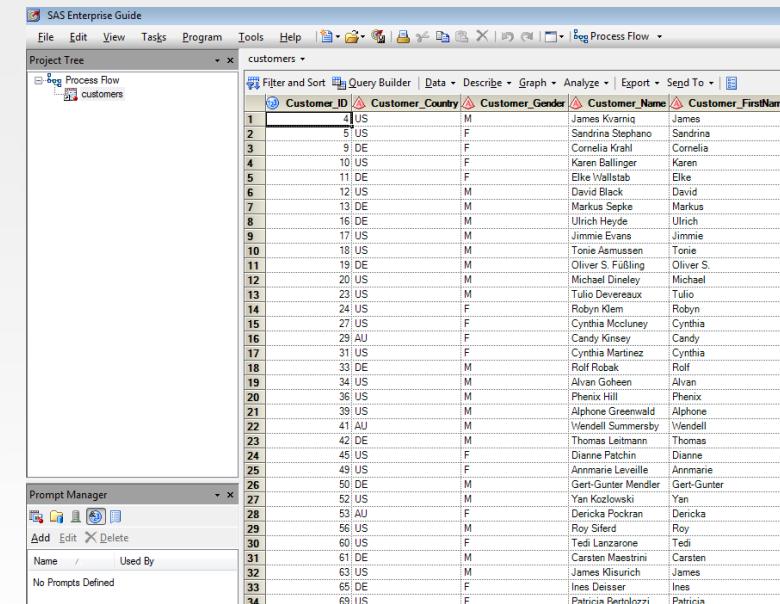
- Demonstration: Navigating SAS Enterprise Guide Workspace
  5. To navigate to data stored on your personal computer, select **Local Computer**. Navigate to the location and select **customers > Open** to add the SAS data set to the project.



# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  5. To navigate to data stored on your personal computer, select **Local Computer**. Navigate to the location and select **customers > Open** to add the SAS data set to the project.

A shortcut to the customers data set is added to the Project Tree and the Process Flow. By default, a snapshot of a few rows of the data appears in the Data Grid within the workspace.

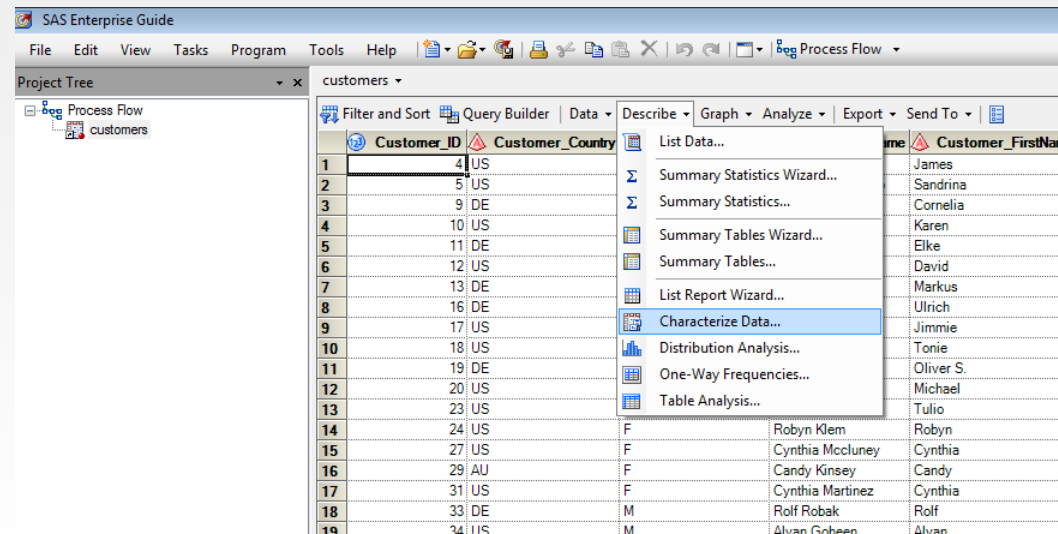


The screenshot shows the SAS Enterprise Guide interface. On the left, the Project Tree contains a 'Process Flow' and a 'customers' data set. The Process Flow is a simple sequence of steps. The Data Grid displays a snapshot of the 'customers' data set with the following columns: Customer\_ID, Customer\_Country, Customer\_Gender, Customer\_Name, and Customer\_FirstName. The data grid shows 34 rows of customer data.

	Customer_ID	Customer_Country	Customer_Gender	Customer_Name	Customer_FirstName
1	4	US	M	James Kvarnig	James
2	5	US	F	Sandrina Stephano	Sandrina
3	9	DE	F	Cornelia Krahl	Cornelia
4	10	US	F	Karen Ballinger	Karen
5	11	DE	F	Elke Wallstab	Elke
6	12	US	M	David Black	David
7	13	DE	M	Markus Sepke	Markus
8	16	DE	M	Ulrich Heyde	Ulrich
9	17	US	M	Jimmie Evans	Jimmie
10	18	US	M	Tonie Asmussen	Tonie
11	19	DE	M	Oliver S. Fülling	Oliver S.
12	20	US	M	Michael Dineley	Michael
13	23	US	M	Tulio Devereaux	Tulio
14	24	US	F	Robyn Klem	Robyn
15	27	US	F	Cynthia Mooloney	Cynthia
16	29	AU	F	Candy Kinsey	Candy
17	31	US	F	Cynthia Martinez	Cynthia
18	33	DE	M	Rolf Riabak	Rolf
19	34	US	M	Alvan Guheen	Alvan
20	36	US	M	Phenix Hill	Phenix
21	39	US	M	Alphone Greenwald	Alphone
22	41	AU	M	Wendell Summersby	Wendell
23	42	DE	M	Thomas Leitmann	Thomas
24	45	US	F	Dianne Patchin	Dianne
25	48	US	F	Annamarie Leveille	Annamarie
26	50	DE	M	Gert-Gunter Mandler	Gert-Gunter
27	52	US	M	Yan Kozlovski	Yan
28	53	AU	F	Dericka Pockran	Dericka
29	56	US	M	Roy Siferd	Roy
30	60	US	F	Tedi Lanzaone	Tedi
31	61	DE	M	Carsten Maestini	Carsten
32	63	US	M	James Klisurich	James
33	65	DE	F	Ines Deisser	Ines
34	69	US	F	Patricia Bertolozzi	Patricia

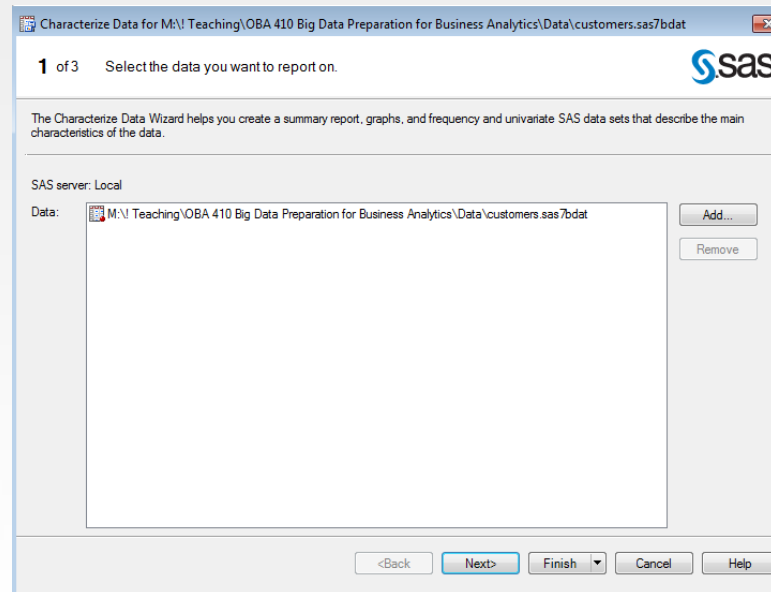
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  6. After data is added to the project, you can use it for analysis and reporting. With the **customers** data set open in the Data Grid, select **Tasks > Describe > Characterize Data....**



# Introduction to SAS Enterprise Guide

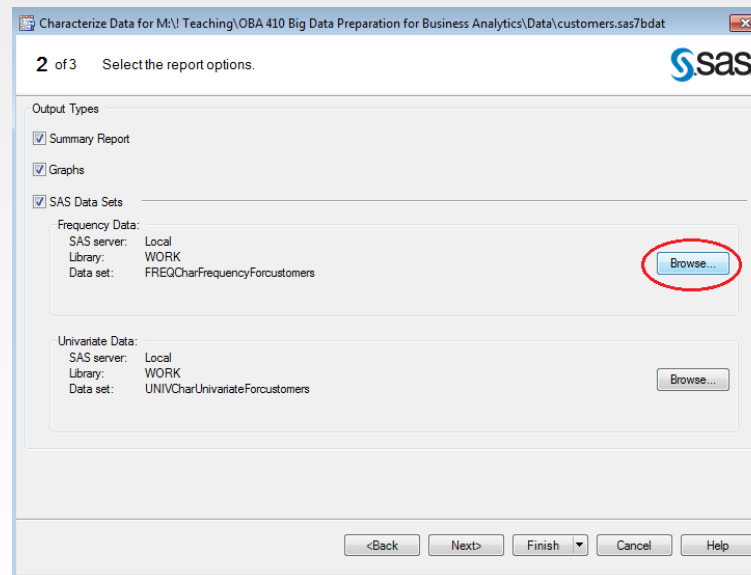
- Demonstration: Navigating SAS Enterprise Guide Workspace
  7. The Characterize Data task is in wizard format that enables you to go through each of the three steps, and modify any options. Step 1 enables you to verify the data source that you want to analyze. Select **Next >**.





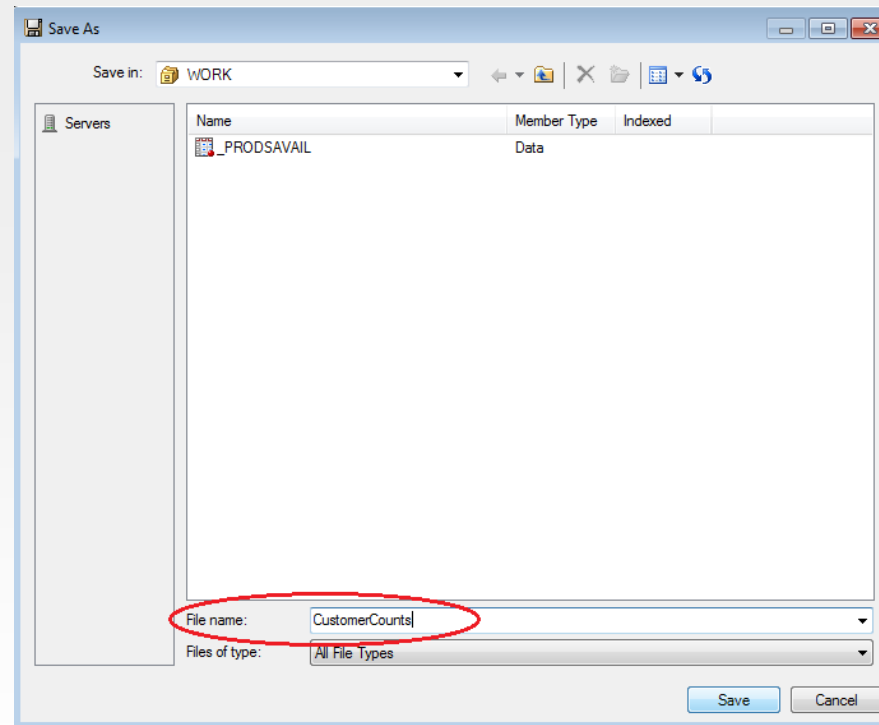
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  8. In step 2 of the task you can customize the report options. To change the name of the data set that includes frequency counts for any character columns, select **Browse...** in the Frequency Data pane.



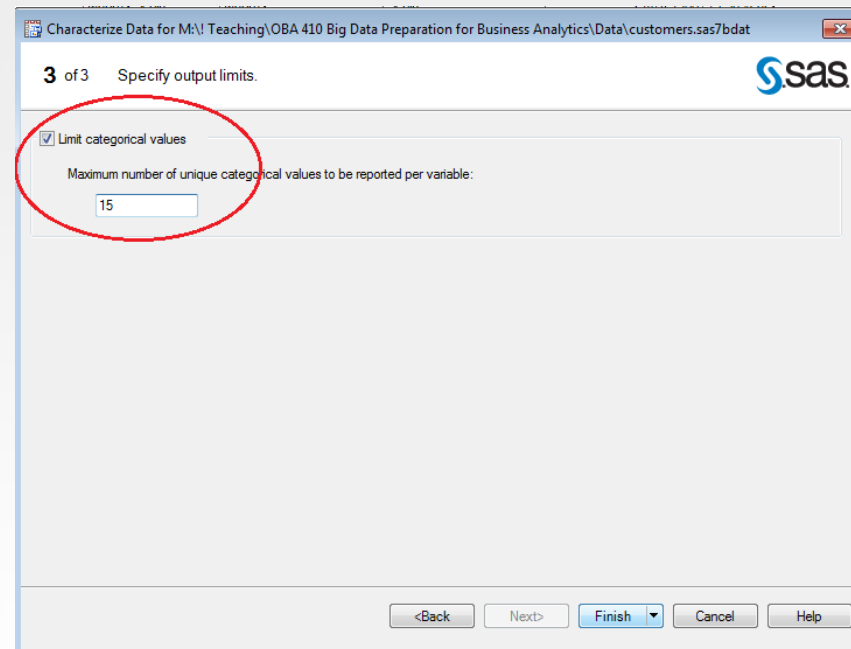
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  9. Type **CustomerCounts** in the File name field and select **Save > Next**.



# Introduction to SAS Enterprise Guide

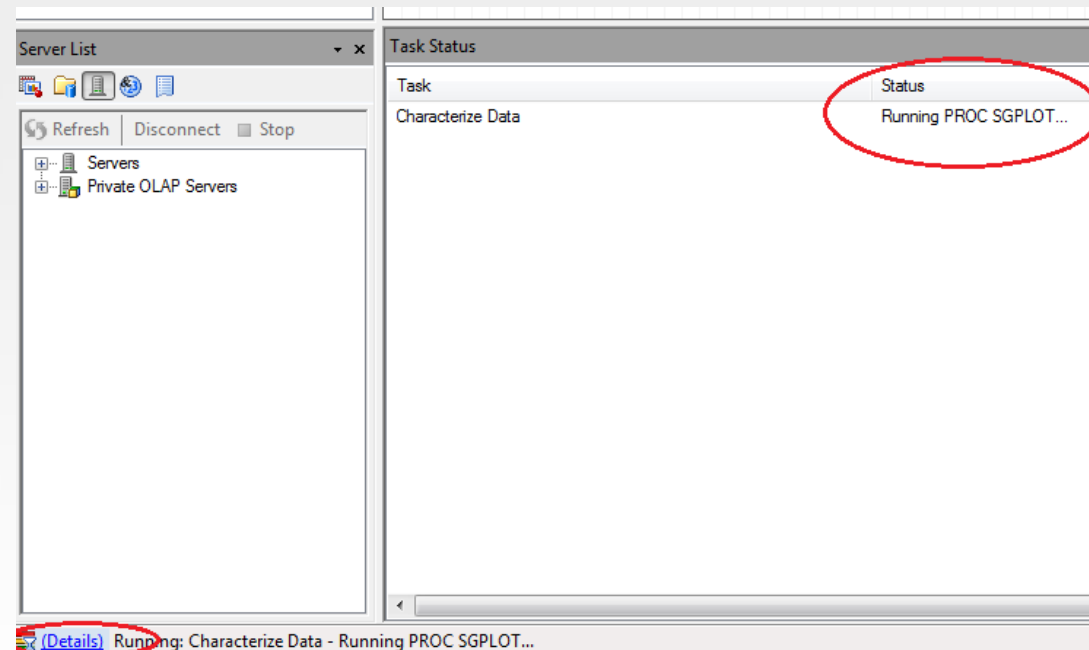
- Demonstration: Navigating SAS Enterprise Guide Workspace
  10. In step 3, limit the number of unique categorical values to be reported per variable by typing **15**. Select **Finish** to run the task and view the results.



# Introduction to SAS Enterprise Guide

- **Demonstration: Navigating SAS Enterprise Guide Workspace**

✎ To observe the status of the task as it runs, select Details in the lower-left corner of SAS Enterprise Guide. The Task Status window opens and indicates the processing task status, and server.



# Introduction to SAS Enterprise Guide

- **Demonstration: Navigating SAS Enterprise Guide Workspace**

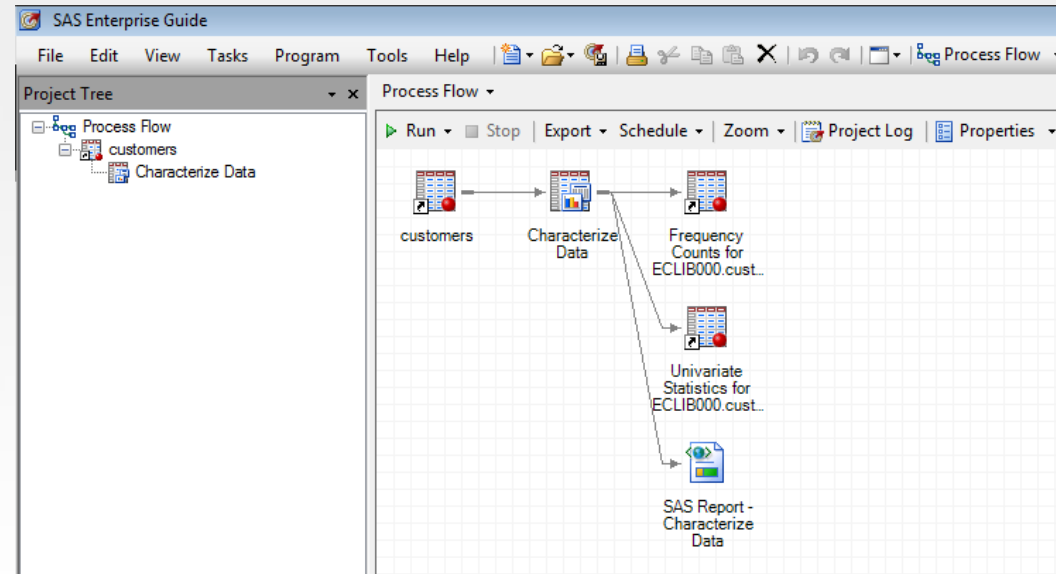
The output includes frequency counts for character columns, summary statistics for numeric columns, and basic graphs to characterize each.

Partial Output:

Summary of Categorical Variables for ECLIB000.customers				
Limited to the 15 Most Frequent Distinct Values per Variable				
Variable	Label	Value	Frequency Count	Percent of Total Frequency
Customer_Age_Group	Customer Age Group	31-45 years	27	35.0649
		15-30 years	22	28.5714
		46-60 years	14	18.1818
		61-75 years	14	18.1818
Variable	Label	Value	Frequency Count	Percent of Total Frequency
Customer_Country	Customer Country	US	28	36.3636
		CA	15	19.4805
		DE	10	12.9870
		AU	8	10.3896
		TR	7	9.0909
		IL	5	6.4935
		ZA	4	5.1948

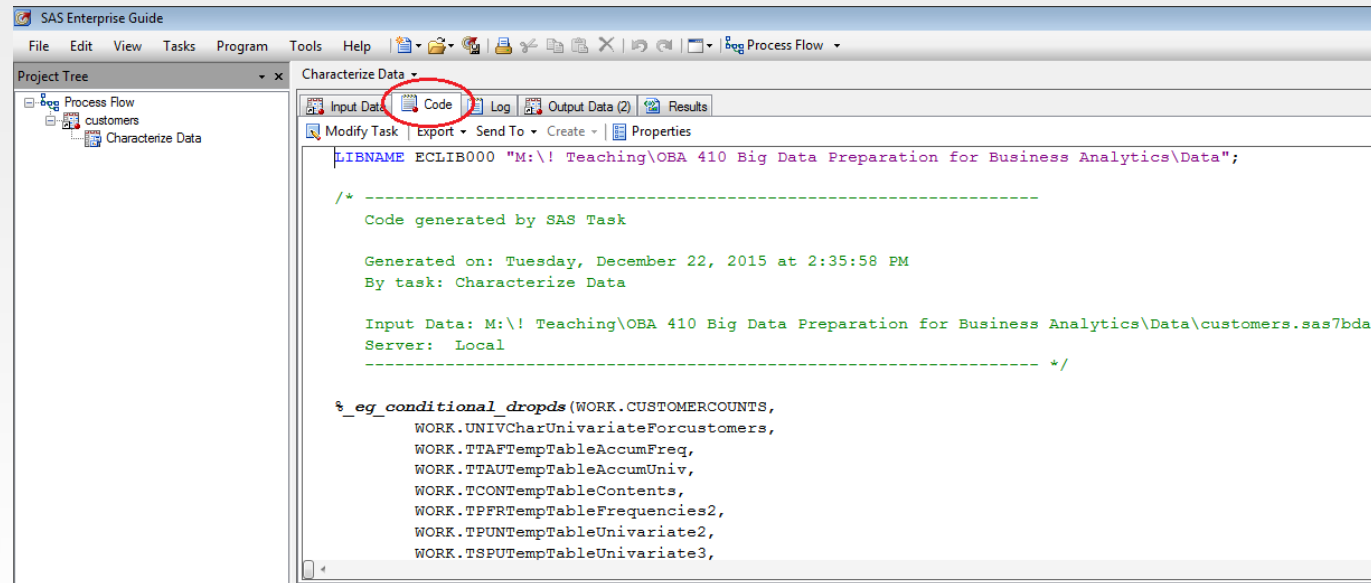
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  11. To view the contents of the current project, select Process Flow on the toolbar or press **F4**. The Characterize Data task was added in the Project Tree and Process Flow linked to the **customers** data set.



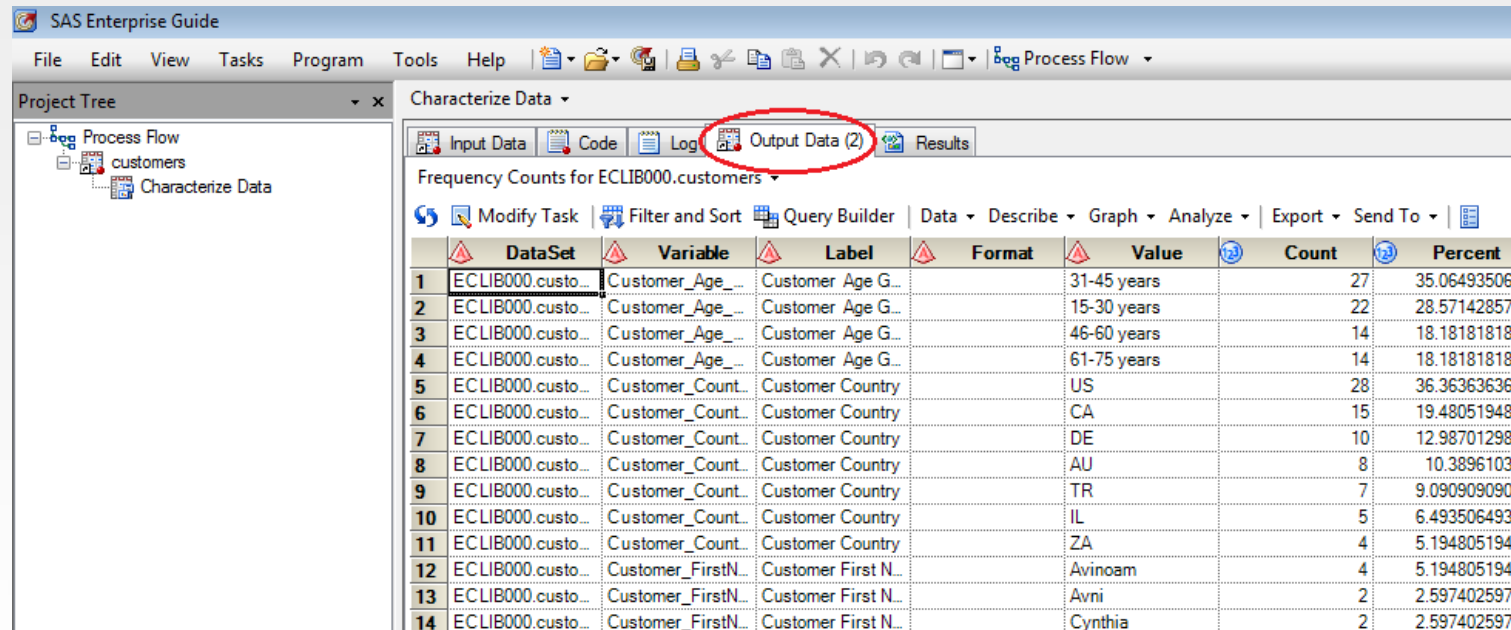
# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
  12. Return to the task results by double-clicking the **Characterize Data** icon in either the Project Tree or Process Flow. To view the task code, select the **Code** tab.



# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace  
13. To view the created data set that contains the summary of frequency counts, select the **Output Data (2)** tab.



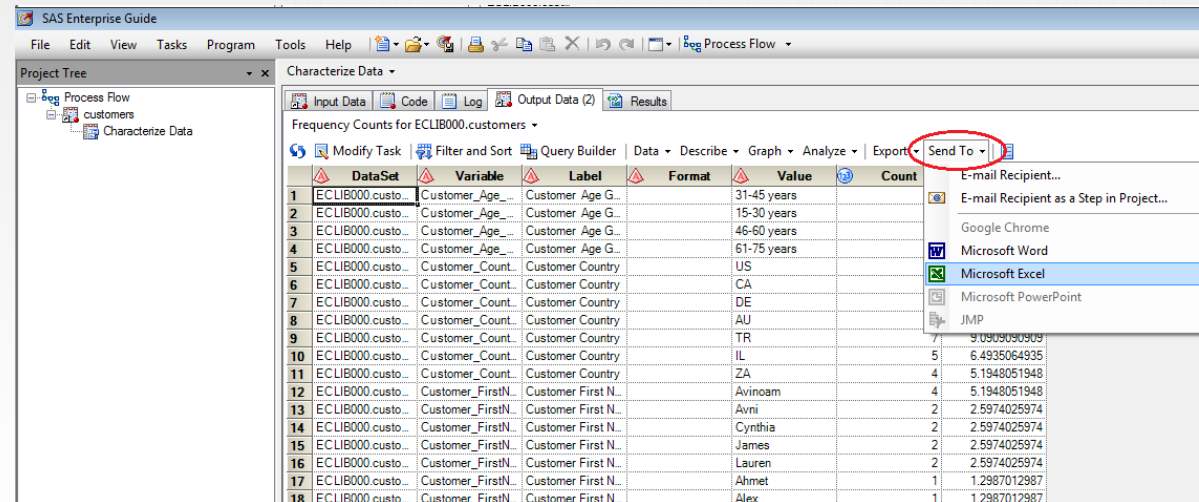
The screenshot shows the SAS Enterprise Guide interface. The 'Project Tree' on the left displays a process flow with 'customers' and 'Characterize Data'. The main workspace is titled 'Characterize Data' and has several tabs: 'Input Data', 'Code', 'Log', 'Output Data (2)', and 'Results'. The 'Output Data (2)' tab is selected and circled in red. It displays a table titled 'Frequency Counts for ECLIB000.customers'.

	DataSet	Variable	Label	Format	Value	Count	Percent
1	ECLIB000.custo...	Customer_Age_...	Customer Age G...		31-45 years	27	35.064935065
2	ECLIB000.custo...	Customer_Age_...	Customer Age G...		15-30 years	22	28.571428571
3	ECLIB000.custo...	Customer_Age_...	Customer Age G...		46-60 years	14	18.181818182
4	ECLIB000.custo...	Customer_Age_...	Customer Age G...		61-75 years	14	18.181818182
5	ECLIB000.custo...	Customer_Count...	Customer Country		US	28	36.363636364
6	ECLIB000.custo...	Customer_Count...	Customer Country		CA	15	19.480519481
7	ECLIB000.custo...	Customer_Count...	Customer Country		DE	10	12.987012987
8	ECLIB000.custo...	Customer_Count...	Customer Country		AU	8	10.38961039
9	ECLIB000.custo...	Customer_Count...	Customer Country		TR	7	9.0909090909
10	ECLIB000.custo...	Customer_Count...	Customer Country		IL	5	6.4935064935
11	ECLIB000.custo...	Customer_Count...	Customer Country		ZA	4	5.1948051948
12	ECLIB000.custo...	Customer_FirstN...	Customer First N...		Avinoam	4	5.1948051948
13	ECLIB000.custo...	Customer_FirstN...	Customer First N...		Avni	2	2.5974025974
14	ECLIB000.custo...	Customer_FirstN...	Customer First N...		Cynthia	2	2.5974025974



# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace
14. The output data can be exported easily to a wide variety of other software formats, including Microsoft Excel. To automatically open the data in Excel, return to the Characterize Data task and select **Send To > Microsoft Excel**. Close Excel and do not save the changes.



# Introduction to SAS Enterprise Guide

- Demonstration: Navigating SAS Enterprise Guide Workspace

15. To save the collection of tasks, code, and results generated so far, you must save the project. Select **File > Save Project As...** from the menu bar and select the **Local Computer** icon. Navigate to the appropriate file location and type the filename. Select **Save**.