

# Topic: Why Sas Enterprise Guide Might be Your Key to Data Integration

Case Studies in SSAS Integration



# Welcome to the Case Study!

#### **Today's Lecture**

- SAS Enterprise Guide (EG) was invented in the 1990s. Some SAS shops adopted it, and some did not.
- Those who did like it a lot, but those who didn't don't see the point.
- Today, we will consider the usecase for EG and data integration in SAS



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# What is SAS Enterprise Guide (EG)?

- It's actually an interface that has been around a long time in SAS
- It versions separately from SAS base/STAT
- It helps you manage your code, set up data pipelines, and run tasks in a more automated way
- Programmers either adopted EG and now they use it all the time – or they haven't and find it awkward



Analysis and Reporting
Made Easier using
Enterprise Guide

By Sunil Gupta <a href="https://buff.ly/46XwuBz">https://buff.ly/46XwuBz</a>

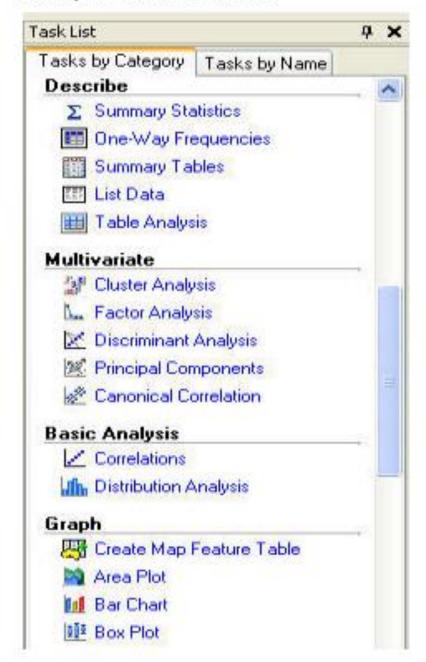




## SAS Enterprise Guide for...just using SAS!

- Here is a screen shot from the white paper of the interface
- You will recognize the PROCs
- You can set them up as tasks
- The interface lets you set up jobs to run in order including data steps (needed to transform data before you do some of these tasks)

#### **Enterprise Guide Task List**





### What are the Different Functions of SAS EG?

- Can help you write reports automatically generate PROC TAB code
- White paper focuses on using EG to program data and report pipelines
- If you adopt EG, you are "in for a penny, in for a pound"
- ...but it can do amazing things if you do adopt it!

Table 1.1 Sales Statistics by Product

			Product Sales		
		Unit Totals	Dollar Totals	Average (Mean)	Min
<b>Product Category</b>	Product				
Shoes	Boots	5,382	\$35,900	\$1,496	\$-1,400
	Shoes	4,180	\$41,800	\$1,742	\$100
Slippers	Slippers	8,360	\$41,800	\$1,742	\$0
Total		17,922	\$119,500	\$1,660	\$-1,400

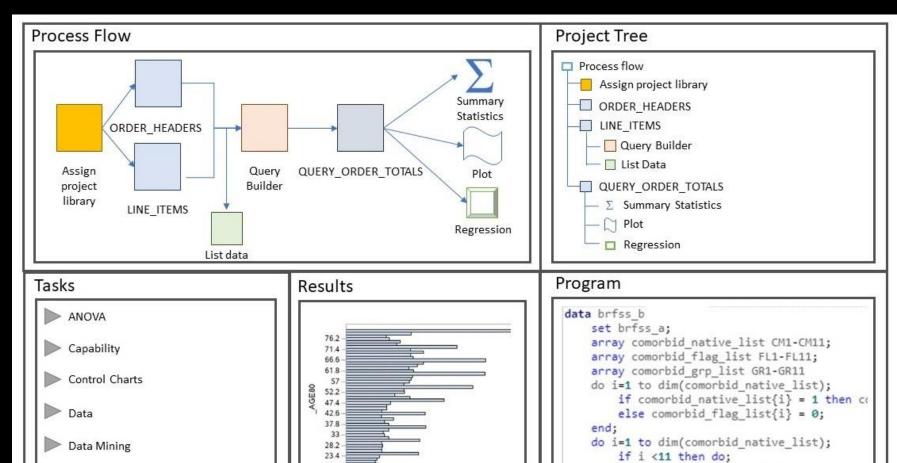
#### Report generated from EG menus

#### Code SAS EG wrote



Describe

### **S** EG Interface for Data Integration



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- Diagram from my book, "Mastering SAS Programming for Data Warehousing"
- EG has a lot of functionality for organizing multiple tasks – including imports from ODBC connections!
- Previous lecture SAS Access
   Component

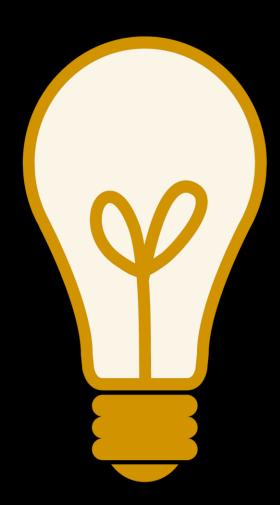
comorbid grp list{i} = comorbid na

if comorbid native list{i} gt 2 then



# Take Home Messages about EG for SAS Data Integration

- If your SAS shop has not adopted EG, don't do it just for the purpose of data integration
- But if you are an EG shop, depending on your situation, you may be able to use EG for data integration from external data sources
- Example: Importing in a small reporting dataset each month from a local SQL server to help run reports out of your SAS server





#### **Questions?**

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