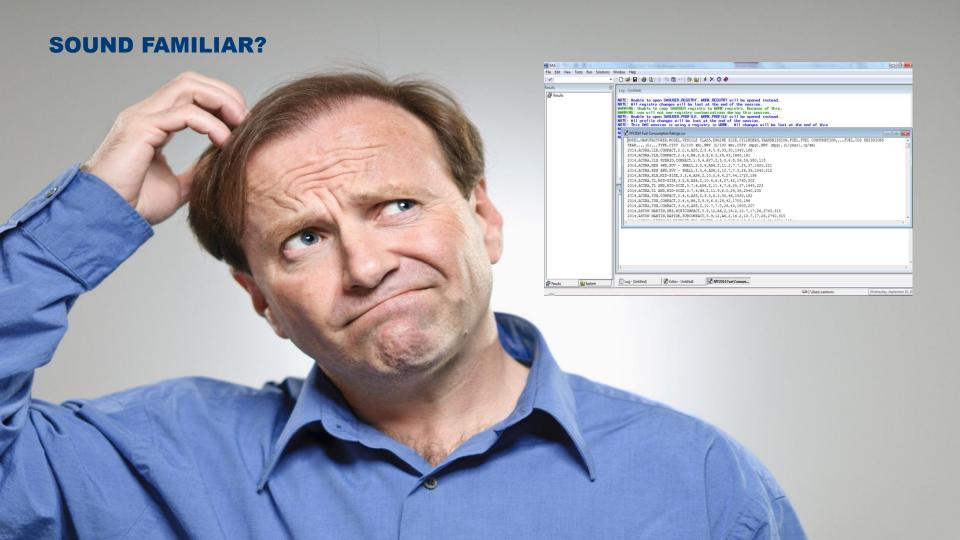
ENTRY-LEVEL SAS: WORKING WITH EXCEL

MATT MALCZEWSKI, SAS CANADA



EXCEL IS EVERYWHEREWHY?

- You can work with the data, and visually represent it
- Highly customizable visualization of data (colour, shading, emphasis)
- Some statistical capabilities which can help illustrate trends or points of interest
- Allows for data merges bringing different data sources together, including images
- Pervasive accessible through laptops, desktops, phones, tablets....



THE QUESTION

 How can Excel users access the power of SAS analytics within their more familiar environment?

THE ANSWER

SAS Office Analytics

Task	Microsoft Excel	Microsoft Outlook	Microsoft Word	Microsoft PowerPoint
Open Web Report Studio Reports	Yes	Yes	Yes	Yes
Open OLAP Cubes	Yes	Yes & No*		
Open Information Maps	Yes			
View BI Dashboards	Yes	Yes & No*		
Run SAS Stored Processes	Yes	Yes	Yes	Yes
Access SAS Datasets	Yes		Yes**	Yes**
Update SAS Datasets	Yes			
Open SAS Visual Analytics Designer Reports	Yes	Yes	Yes	Yes

^{*}There was a previous experimental feature in version 9.2.

^{**}You can build reports from them.

A CAVEAT

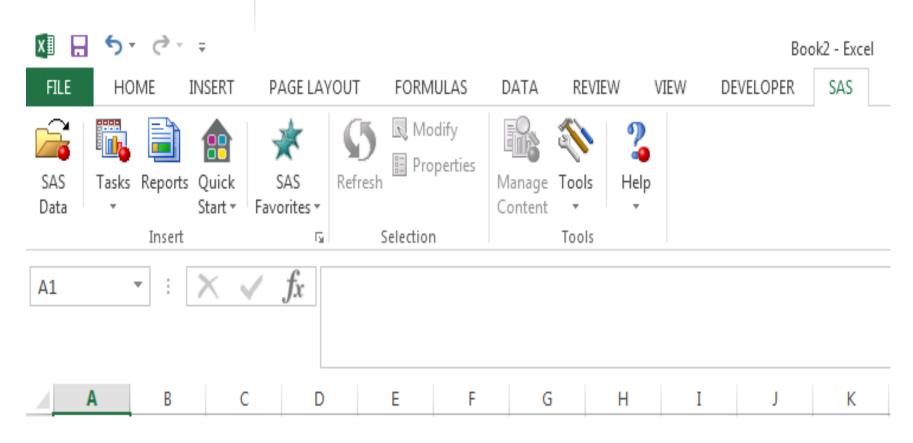
- This is a very, very introductory talk
- Many of the most powerful elements require metadata/server-based data...
 this talk won't feature demos of those features

AGENDA

- Walkthrough of Ribbon Functionality
- Introduce & Import Data
- Some SAS Analysis: Characterizing the Data
- Some Visual Analysis: Basic Graphing
- Reporting: How It Works In A Server-Based Environment
- The Magic of Custom Prompts/Stored Processes



THE RIBBON



INTRODUCTION TO THE DATA



Gouvernement du Canada

Canada.gc.ca | Services | Departments | Français

data.gc.ca



About data.gc.ca -

Open Data •

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Home > Open Data > Search Data

Fuel Consumption Ratings

A yearly data set of all passenger vehicles sold in Canada based on their fuel-consumption ratings, estimated carbon-dioxide emissions and annual fuel costs.

Licence:

Open Government Licence - Canada

Dataset Resources

Resource Name	Format	Language	Link
1995-1999 - Fuel Consumption Ratings	CSV	English	Download
1995-1999 - Fuel Consumption Ratings	CSV	French	Download
2000 - Fuel Consumption Ratings	CSV	English	Download





IMPORTING THE DATA

• Brought into Enterprise Guide



QUESTION

What can we learn about fuel consumption on Canadian roads last year?





DATA CHARACTERIZATION

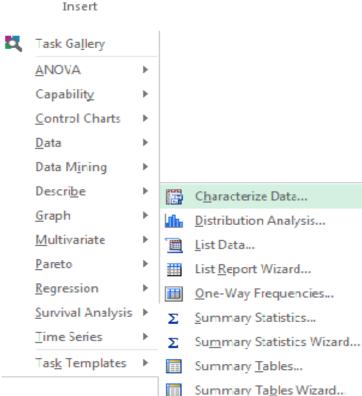
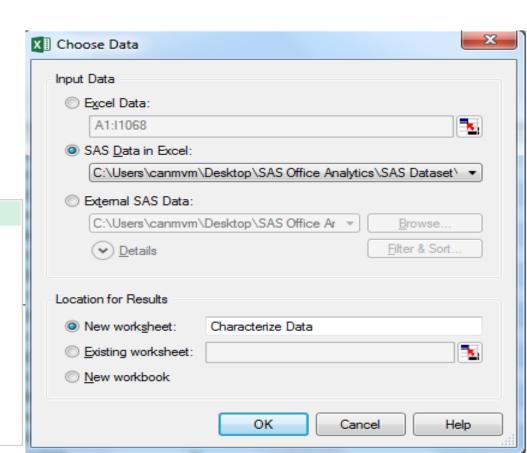


Table Analysis...



HOW ABOUT VISUALIZATION?

- The 'Task Gallery' helps a novice user select an appropriate representation
- Launches directly from the gallery
- 80+ tasks from a variety of categories



REPORTING

- Leveraging the power of metadata and SAS, we can simply update our data 'on the fly' as required
- This allows for simple refreshes of presentations, monthly reports, dashboards, etc.
- Scheduling function

With Office Analytics, share across Office platform (email, Powerpoint, Word, etc.)

CUSTOM PROMPTS

- Build prompts in Enterprise Guide
- Host in shared environment on server
- A single stored process could hold many custom prompts, and they could be dependent (i.e. sensitive to previous selections)
- Allows for flexible access and total autonomous use of a shared data environment (multiple users, multiple users, minimal upkeep)
- Different filters, same table
- HOWEVER, be mindful of writing over data!

IN SUMMARY

- SAS works with Excel as an easy bridge into complex analytical and reporting processes
- Leveraging the power of SAS in a familiar framework has never been easier



EXTRA RESOURCES

- 'Moving Beyond Spreadsheets' White Paper
- SAS Office Analytics <u>Demos</u>
- SAS Canada Community (Coming Soon)
 - Video Interview
 - Blogs
 - Discussion Group
 - Live chat session?

QUESTIONS?

MATT.MALCZEWSKI@SAS.COM

TWITTER: MALCHEW

LINKEDIN: MATT MALCZEWSKI

