TIPS AND TRICKS FOR SAS® ENTERPRISE GUIDE™

CUSTOMER LOYALTY TEAM • Support You Can Count On
ENHANCED PROGRAM EDITOR
**ENHANCED EDITOR**

- Link to on-line help and documentation
- Enhanced tool tip support with web link to Product Documentation and Samples
- Mouse over Tooltip with details for SAS PROCS, SAS Functions
ENHANCED PROGRAM EDITOR - AUTOCOMPLETE

Connects to data library listing accessible data tables

Provides list of SAS PROCS, SAS Functions and Macro variables, assisting user while coding
Auto completion for Variables in Data sets

Provides the ability to view the list of variables from the selected data set.
Converts code into Indented Format
PROGRAMMING FEATURES

ENHANCED PROGRAM EDITOR – ANALYZE PROGRAM

Coverts lines of Code into Process Flow for visual representation and ease understanding of the program flow.
GENERAL OPTIONS FOR THE EDITOR

- Helps set the options for Code Appearance including Font Size and Font Colour for various key elements of the code.
PROGRAMMING FEATURES

ENHANCED PROGRAM EDITOR OPTIONS

Options to set the Autocomplete keywords/characters for coding

Options to set the rules for code indentation
Smart highlighting is available in the program editor. By default, when you select or search for a word in the program editor, all other occurrences of that word are also highlighted.

New in SAS 9.4
If you have SAS programs in your SAS Enterprise Guide project, you can now track your changes in those programs using standard source control management methods.

New in SAS 9.4
The SAS Macro Variable Viewer enables you to view all of the SAS macro variables that are defined in your current SAS session. You can use this window to see changes to the macro variables while you work in SAS Enterprise Guide and to quickly evaluate a macro expression.

The SAS System Options Viewer enables you to view all of the SAS system options that are defined for your current SAS session.

New in SAS 9.4
Ability to split and stack the programming window – side by side or tiled
- Work with different parts of same program in single view
*/

/* Macro variable */

list_to_be_mapped=Fatal;

/* Get the graphics environment */
options reset=all check=white border title=12pt hnext=10pt;

/* Create a projected map of North Carolina with county boundaries */
/* State TIPS for Florida is 12 */

PROC gmap data=maps.counties out=MYMAP;
   where state="NC";
   id state county: map=QUIT;
/* Create a data set containing the names of the counties */
/* In Florida: */

DATA names;
   input maps.names.ofcounties;
   where state="FL";
/* Make the annotate macro available */
/* Use the MAPPLANE annotate macro to create an annotate data set */
/* to label the counties. */
/* The macro parameter is: */
/* Input Map data set. */
/* Attribute data set that contains variable for the label. */
/* Resulting output data set for use in AINSP in GMAD. */
/* Variable for label on. Can be text or number. */
/* Space-separated list of the first that the map and attribute */
/* data sets are passed on. */
/* Use the MAPPLANE annotate macro to create an annotate data set */
/* to label the counties. */
/* The macro parameter is: */
/* Input Map data set. */
/* Attribute data set that contains variable for the label. */
/* Resulting output data set for use in AINSP in GMAD. */
/* Variable for label on. Can be text or number. */
/* Space-separated list of the first that the map and attribute */
/* data sets are passed on. */
VIEWING OPTIONS

Code and Results
Log Summary
Log Summary
The new Project Log Summary window is displayed with the Project Log window and includes an aggregated list of all the messages that have been generated in the project log.
FILTERING OPTIONS

- Filter and Sort
- Query Builder
- Filters in Tasks
- Code
Filtering Options

Filter and Sort Task
SAS ENTERPRISE GUIDE TIPS

FILTERING OPTIONS

Query Builder

Query Builder for SAS\texttt{appbank.CAMPAIGN}

New Filter

1 of 2 Build a basic filter

Identifier: \texttt{STATE}
Column Name: \texttt{STATE}
Operator: Equal to
Value: CO

Values

<table>
<thead>
<tr>
<th>Value</th>
<th>Formatted Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AZ</td>
<td>AZ</td>
</tr>
<tr>
<td>CA</td>
<td>CA</td>
</tr>
<tr>
<td>CD</td>
<td>CD</td>
</tr>
<tr>
<td>ID</td>
<td>ID</td>
</tr>
<tr>
<td>NV</td>
<td>NV</td>
</tr>
<tr>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td>UT</td>
<td>UT</td>
</tr>
</tbody>
</table>

More Values

(Additional options for values)
Filters in Tasks

Filter since 4.3 not widely known
WHERE FILTER

- You can now subset your data in the data grid by typing a WHERE clause filter. The new Where button appears at the top of the data grid.
CREATE CASE-INSENSITIVE FILTERS

- Uncheck Match Case
Right-click
New code node in Process Flow
Edit, Save Code
Run Task
ADD CODE TO PROCESS FLOW

From File Menu
ADD CODE TO PROCESS FLOW

Add code to process flow
ADD CODE TO PROCESS FLOW

Edit/Run Code

```sas
PROC SURVEY \n    DATA= your data set; \n    VAR variates; \n    CLASS categories; \n    CLUSTER clusters; \n    WEIGHT weights; \n    STRATA strata; \n    BY by factors; \n    RUN; \n```

```sas
DATA example; \n    SET input; \n    EXPLODE="EXPLODED"; \n    RUN; \n```
Manually Link to dataset
ENTERPRISE GUIDE TUTORIALS

• View Free Tutorials
  • http://support.sas.com/training/resources/
    » SAS Enterprise Guide Tutorial
    » Getting Started with SAS Enterprise Guide
    » SAS Enterprise Guide Tutorial for Statistics
Thank you for your time and attention!

QUESTIONS?

Connect with me:
LinkedIn: https://www.linkedin.com/in/melodierush
Twitter: @SAS_MelodieRush