Release Objectives

- Leverage the capabilities of SAS 9.3 platform
- Enriched User Experience
- Increased productivity
KEY NEW FEATURES

• 32 and 64-bit versions
• Enhanced program editor with auto complete for dataset variables
• Improved tooltip support for SAS keywords with help documents
• Reusable queries (Query Templates and Sub Queries)
• Data Explorer tool to view a SAS data set without adding the data set to project
  • Create a custom view of your data by selecting columns to include in the view, creating a filter, and sorting data.
  • Quickly calculate basic charts and statistics for each column in a SAS data set
  • Add a data exploration view to project
• Show ODS Statistical Graph
• Enhanced Tile Chart Task
• Enriched interface for creating Stored Process
• HtmlBlue is the new default style for SAS Report and HTML results
PROGRAMMERS PRODUCTIVITY FEATURES IN SAS® ENTERPRISE GUIDE® 5.1
AUTOEXEC IN
PROJECT

- Assign project specific libraries
- Connect to remote databases such as Oracle
- Set up macros
- Set up datasets
OPEN RECENT PROGRAMS/PROJECTS
ENHANCED PROGRAM EDITOR

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
ENHANCED PROGRAM EDITOR

Converts code into Indented Format
ENHANCED PROGRAM EDITOR – ANALYZE PROGRAM

Converts lines of Code into Process Flow for visual representation and ease understanding of the program flow.
ENHANCED PROGRAM EDITOR OPTIONS

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
ENHANCED PROGRAM EDITOR OPTIONS

Options to set the Autocomplete keywords/characters for coding

Options to set the rules for code indentation
ENHANCED EDITOR

• Auto completion for Variables in Data sets

Provides the ability to view the list of variables from the selected data set.
ENHANCED EDITOR

• Added Syntax Auto-Completion support for HPA PROCs
  • HPLMIXED – Mixed Linear Models
  • HPLOGISTIC – Logistic Regression
  • HPNLIN – Non-Linear Regression
  • HPREG - Regression
  • HPCORR - Correlation
ENHANCED EDITOR

- Link to on-line help and documentation

Enhanced tool tip support with web link to Product Documentation and Samples
FLEXIBLE EDITOR OPTIONS

Ability to control many Editor options and Internet Search Engine
Ability to split and stack the programming window – side by side or tiled
• Work with different parts of same program in single view
BUSINESS ANALYSTS PRODUCTIVITY FEATURES IN SAS® ENTERPRISE GUIDE® 5.1
• Quick Stats: Obtain descriptive statistics quickly
• Filter and Sort Data on focused columns
• Generate data views for Process Flow
INTERACTIVE DATA EXPLORATION

Insights, with Quick stats

Business Filters
CHOICE OF DESCRIPTIVE STATISTICS
QUERY BUILDER ENHANCEMENTS

• Re-usable query templates
  • Saved query settings, including data references
  • Can be run on same or different data sources
  • Ones that return only a single column can be used to create subqueries

• Point-and-click Subqueries
  • Nested queries (output from one as input to another)
  • Supported on WHERE clause, HAVING clause, and SELECT statement
  • Subquery must either return a scalar value (for single value comparisons) or one column of data of the same type (for “In a list” comparisons)
REUSABLE QUERIES

Define queries and save them as Templates.
REUSABLE QUERIES
PERFORMANCE, AND OTHER ENHANCEMENTS IN SAS® ENTERPRISE GUIDE® 5.1
Key Features:

• Option to Create a SAS 9.2 Compatible Version of Stored Process
• Options for Stored Process Storing and Execution
OPTION FOR SAS 9.2 COMPATIBLE VERSION
OPTIONS FOR STORED PROCESS SOURCE CODE

Source code location and execution:
- Allow execution on other application servers (store source code in metadata)
- Allow execution on selected application server only
  - Store source code in metadata
  - Store source code on application server

Source code repository:
C:\Program Files\SASHome\SASFoundation\9.3\inttech\example

Source file:
Stored_Process.sas
- Overwrite existing file

Result capabilities: [ ] Stream [ ] Package
Key Features:

- Parallel Code and Task Execution
- Many Options for controlling Job Execution
- SAS Grid Manager Integration
GRID AWARENESS AND POLICY

SAS Grid Manager identified in SAS Management Console. Administrators can "Force" Grid execution for all EG users.

Task Status Window in SAS Enterprise Guide identifies the Server type where code executed.
CODE EXECUTION OPTIONS

SAS Programs and Task Properties Options for code submission

- Close all open data before running code
- Initialize grid (if available) when connecting to a workspace
- Insert custom SAS code before submitted code
- Insert custom SAS code after submitted code
- Allow parallel execution on the same server
WHAT CAN EFFECT PERFORMANCE

• Network
• Files – other operating systems, “bitness” – CEDA
• File size
• Local Memory and CPU – .NET, JAVA
• Inside Enterprise Guide
  • Deselect “Automatically open data when added to project”
  • Subset data to drop columns not needed at the beginning of a Process Flow
• Turn off Auto-complete
• Enterprise Guide 5.1 Reference:
THANK YOU FOR INVITING ME TODAY AND ESPECIALLY FOR USING SAS!