

# 2010 SASware Ballot<sup>®</sup> Results

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART I</b>				
<b>SAS Language</b>				
<i>General</i>				
	26	8	262	enable simple indexes to have a name other than that of the index variable
	33	9	248	add diagnostic messages with space used in utility files
	42	11	232	provide a system option to turn off the automatic correction of SAS code syntax
	55	14	196	provide a tool that enables SPD Engine table components (metadata, indexes, data) to be restored to a different location than originally specified
	123	18	63	provide the ability to register SAS servers so that they accept only libnames that use the metadata LIBNAME engine (MLE)
	162	20	37	provide the ability to allocate multiple Meta libraries with a single LIBNAME statement that uses syntax such as LIBNAME . META LIBURI="@Name='Prefix-"; where '.' indicates that the libref that is defined in the metadata repository is to be assigned and that each library whose name begins with 'Prefix-' is to be allocated
<i>DATA Step</i>				
	7	3	361	enhance the ARRAY statement to enable dynamic _TEMPORARY_ array processing so that the number of elements can change with each use
	38	10	238	provide a HASH ITERATOR method to reset any locks on the hash table so that table can be cleared without deleting the hash iterator object

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART I</b>				
<b>SAS Language</b>				
<i>DATA Step</i>				
	43	12	231	provide an alternative method of creating a DATA Step view for simple views such as data one / view; to create a view named WORK.ONE
	73	15	134	add an option on the INFILE statement that enables you to perform case-insensitive comparisons by including '@string' on the INPUT statement
<i>Functions</i>				
	3	1	400	enable the MAX and MIN functions to take a single argument as the SUM function does
	16	6	314	add a new function that can check for the existence of an operating environment variable, and add an additional argument to the SYSGET function in order to stop the error message if the environment variable is not found
	17	7	306	change the default length of the SCAN function from 200 to the length of the first argument
	45	13	227	enable the YRDIF function to take two parameters and set the default for the third parameter to 'ACT/ACT'
<i>Informats and Formats</i>				
	5	2	376	enhance the YMDDTTMw. datetime informat to enable it to read an AM or PM, if present, in the time portion of the value, and provide a datetime YMDDTTMw. format
	188	22	19	provide the ability to specify the implied decimal specification for the TRAILSGNw. informat

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART I</b>				
<b>SAS Language</b>				
<i>SAS Windowing Environment</i>				
	13	4	332	add the ability to resize the Open Program and Save As dialog boxes
	105	17	76	add an option to designate non-text characters that can be used as word boundaries when double-clicking on a "word"
<i>Enhanced Editor</i>				
	15	5	326	add a command to select all code in a PROC or DATA step
	77	16	122	add an option to save bookmarks for SAS programs that are edited in the Enhanced Editor
	148	19	51	enable more than 401 Enhanced Editor abbreviations
	184	21	21	add an option to deselect highlighted text when using the EDCMD command
<b>PART II</b>				
<b>Base SAS Procedures</b>				
<i>PROC CDISC</i>				
	152	13	46	enable PROC CDISC to include audit records as part of the ODM file
	157	14	42	add a new variable for ODM that allows you to record a physical unit of measure for a data item or value
<i>PROC DATASETS</i>				
	1	1	465	add the NOPRINT option on the PROC DATASETS statement
	4	3	396	provide the ability to retrieve all metadata regarding a SAS data set from one location

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART II</b>				
<b>Base SAS Procedures</b>				
<i>PROC FORMAT</i>				
	41	7	233	enable informatted ranges to convert real numbers to character values
	72	10	135	add new directives to the PICTURE statement that enable you to display duration in days, hours, and minutes
<i>PROC MEANS</i>				
	78	11	120	add the ability to obtain harmonic means
<i>PROC REPORT</i>				
	71	9	136	provide the ability to assign a value of zero to the CELLWIDTH attribute for a column under an ACROSS variable
<i>PROC SORT</i>				
	8	4	352	add an option to allow PROC SORT to preserve the compression of an input data set when creating the output data set
<i>PROC SQL</i>				
	2	2	438	add syntax that enables you to trim values when creating macro variables that use the INTO clause
	24	6	265	add an option to fail queries when a GROUP BY clause is converted to an ORDER BY clause
	52	8	207	enhance natural joins to keep original column attributes
<i>PROC TRANSPOSE</i>				
	9	5	351	add support for transposing variable attributes such as format, informat, type, and length

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART II</b>				
<b>Base SAS Procedures</b>				
<i>PROC UNIVARIATE</i>				
	110	12	72	add the Generalized Extreme Value distribution
<b>PART III</b>				
<b>SAS Macro Facility</b>				
	10	1	340	provide a system option that would keep all global macro variables from being overwritten
<b>PART IV</b>				
<b>SAS Output Delivery System (ODS)</b>				
<i>General</i>				
	38	1	238	provide the ability to add the BY-group value in the name of a file that is created when using the NEWFILE=BYGROUP ODS option
<i>PRINTER (PCL, PDF, PS)</i>				
	63	2	167	add the ability to insert comments in PDF files that are created by ODS
<b>PART V</b>				
<b>XML LIBNAME Engine</b>				
	93	1	87	provide the ability to write multiple data sets to a file using an XML map
	117	2	67	provide the ability to add comments using the SAS XML Mapper

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART VI</b>				
<b>SAS/GRAPH</b>				
<i>General</i>				
	69	3	143	provide the ability to specify uneven axis tick mark values with the ActiveX and Java device drivers
	74	5	133	provide an option to define breaks in axis values to display extreme values without showing the entire axis range
	75	6	130	add the ability to apply a format to labels with the REFLABEL option on the AXIS statement
	80	8	116	provide support for a SPLIT= option on the LEGEND statement
	100	13	78	enable multiple split characters to be honored by the SPLIT= option on an AXIS statement
	103	14	77	provide the ability to produce vector graphics in an EMF format file with ODS GRAPHICS
<i>PROC GBARLINE</i>				
	64	1	160	provide the ability to create multiple plot lines using a category variable
	66	2	152	provide the ability to automatically generate the same scale for the bar and plot axes
	79	7	118	provide an option to place text labels on top of bars, symbols, and lines
	95	10	84	provide the ability to create area fills under the plot lines
<i>PROC GEOCODE</i>				
	131	22	57	provide an option that enables you to include variables from the input data set in the geocode output data set
<i>PROC GKPI</i>				
	144	25	53	enable the use of user-defined formats

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART VI</b>				
<b>SAS/GRAPH</b>				
<i>Graph Template Language</i>				
	69	3	143	provide the ability to generate grouped-box plots
	92	9	89	enable the use of more symbol markers
	97	12	81	provide the ability to display minor tick marks on all axes
	105	15	76	provide the ability to produce a stem-and-leaf plot
	107	16	75	provide the ability to create bubble plots of varying size bubbles
	127	20	60	provide the ability to set DRILLTARGET=_SELF so that drill-down output is displayed in the same window
	130	21	58	provide the ability to split axis values based on a given value
	131	22	57	enable the use of the WHERE= option on GTL plot statements to allow further subsetting of data at the individual plot level
	144	25	53	provide the ability to format, position, and align statistics that are displayed with the DISPLAYSTATS option for the BOXPLOT statement
	149	27	50	add an option to the ENTRY statement that enables you to wrap text entries
	152	28	46	provide the ability to display statistics with the LOESS statement
	156	29	44	provide a better algorithm for collision avoidance for the text from the CURVELABEL option
	159	30	40	provide the ability to specify a fill pattern for the BARCHARTPARM statement
	167	31	32	provide the ability to specify a group variable for ellipse computations
	173	32	29	provide an option to offset the curve-label text attributes

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART VI SAS/GRAPH</b>				
<i>ODS Statistical Graphics</i>				
	96	11	83	provide the ability to wrap long variable names or labels in a scatter-plot matrix
	110	17	72	provide the ability to order the panels in PROC SGPANEL
	112	18	71	provide the ability to include an inset within the panels
	120	19	65	provide the ability to generate jittered-dot plots
	136	24	56	provide the ability to create an ellipse plot with PROC SGPANEL
<b>PART VII SAS/AF</b>				
	51	1	217	provide an interface that enables you to visually display the contents of an SCL list
	171	2	30	add a parameter to the PUTLIST function that enables you to limit the depth to which a list is printed
<b>PART VIII SAS AppDev Studio</b>				
<i>General</i>				
	159	1	40	enable multiple developers who are working on the same Web Infrastructure Platform Web application to concurrently test against a common BI installation

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART IX</b>				
<b>SAS BI Dashboard</b>				
	76	1	123	provide the ability to define titles that are based on data values
	136	2	56	provide the ability to display column labels in the data model if they are available
	139	3	55	provide the functionality to sort or specify the order of indicators
	154	4	45	add options to enable text wrapping
	169	5	31	provide the ability to suppress the display of the indicator name
	176	6	27	enhance the user interface that is available for defining ranges
	180	7	23	provide additional options to define a Bar and Trend display
	183	8	22	enable users to choose the method for drawing intervals on detail plot
	184	9	21	provide the ability for partial promotion of content
<b>PART X</b>				
<b>SAS Add-In for Microsoft Office</b>				
	18	1	298	provide an automated capability to apply existing filters to new data
	29	2	254	provide an option to enable users to control the output location to which logs and results are written
	44	3	228	provide the ability to navigate to SAS server files that are not already defined as SAS libraries
	50	4	218	enable users to sort items using a collating sequence
	90	5	90	provide the ability to cancel the SAS connection to the Workspace Server
	109	6	73	provide the ability to open SAS Web Report Studio reports onto separate worksheets

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XI</b>				
<b>SAS Enterprise Guide</b>				
<i>General</i>				
	6	1	375	automatically trim trailing blanks from variable values before exporting the values to an Excel spreadsheet
	11	2	335	provide the ability to preview a SAS program within a project that has been specified using the %INCLUDE statement
	12	3	333	provide users the ability to copy and paste both data values and column headers in the data grid
	18	4	298	provide the ability to password-protect a process flow in order to prohibit changes
	20	5	295	provide an invocation option that enables you to launch a custom task at startup
	21	6	290	provide the ability to perform a universal search-and-replace operation across all tasks within a project
	22	7	270	provide the ability to keep the Properties window open while editing code in order to copy column information into the Code window
	25	8	264	add the ability to enter comments as part of the properties for a task
	28	9	261	provide the ability to print page numbers
	30	10	252	provide an option that enables you to specify whether the DSD option should be used when you are importing data
	32	11	249	provide the ability to specify the name of the catalog in which to store a new format definition in the Create Format task
	33	12	248	provide a visual cue in the process flow for tasks that include custom code

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XI</b>				
<b>SAS Enterprise Guide</b>				
<i>General</i>				
	35	13	244	add the ability to branch the Conditional Logic node based on the occurrence of an error
	37	14	239	provide an option that enables you to open multiple output data sets into separate tabs without having to go back to the Process Flow to open additional result tables
	40	15	237	provide a way to acquire more control over the icon size and associated text within the process flow
	48	16	221	prompt the user before overwriting a program that is open within a Code window, if the program has also been modified externally by another user
	54	17	201	provide a keyboard shortcut that enables you to copy a table name from the server list
	59	18	188	provide support for sorting prompts from within the Select Prompt dialog box
	62	19	170	provide an option that enables you to retrieve all distinct values when applying a filter
	65	20	154	add an option that enables you to control whether the Send To E-mail Recipient feature compresses all files into one attached file or attaches each file individually to an e-mail
	82	21	112	provide the ability to reference macro variables and other project information, such as name, date, and time, when exporting results or tables
	84	22	103	provide the Run button with the same functionality as the Submit button in the Base SAS windowing environment
	86	23	96	provide the ability to directly rename a task without having to select Edit

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XI</b>				
<b>SAS Enterprise Guide</b>				
<i>General</i>				
	100	24	78	provide the ability within the interface to export data to a fixed-width file
	100	24	78	enable the Summary Tables task to create a totals page in the resulting output
	113	26	70	provide the ability to specify a Z variable in 2D plots and a color variable in 3D plots
	136	27	56	add a new task that enables you to generate a distance or similarity matrix that can be used for clustering
	139	28	55	provide an option that enables users to bypass the default behavior that creates a table for any task that generates a plot
	158	29	41	provide additional support for explicit passthrough for DBMS-specific statements within the Query Builder, like "WITH UR", or "Uncommitted Read", for a DB2 query
	162	30	37	provide the ability to view the description of an OLAP cube after the cube has been opened into the project
	167	31	32	add a task that generates PROC CORRESP code
	176	32	27	provide a warning when a prompt name must be converted from double-byte characters to single-byte characters and allow user to manually edit the name
<i>OLAP Analyzer</i>				
	180	33	23	display the descriptions for OLAP cube dimensions within the OLAP Analyzer

OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES
--------------	------------------	-----------------

**PART XII****SAS Information Delivery Portal**

115	1	69	enable portlets to be maximized
118	2	66	provide the ability to change the browser title
120	3	65	provide an option that enables each link or application to open into a new window
122	4	64	enable users to add comments to content
127	5	60	enable users to share content with multiple groups
142	6	54	provide a configuration option that enables you to disable the display of share type and group associations for pages and portlets
144	7	53	provide the functionality to present additional pages to the user, based on the page they select
164	8	36	add a date column to the Publications Channel Subscriptions portlet

**PART XIII****SAS Information Map Studio**

98	1	80	provide the ability to create global filters and prompts that can be reused in other maps
107	2	75	provide the ability to add prompted filters as a pre-filter on an information map
166	3	35	provide a method that will prevent columns from being sorted when inserting a data source
169	4	31	provide the ability to see the dimension description when an OLAP dimension is added to a map

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XIV</b>				
<b>SAS OLAP Server</b>				
<i>General</i>				
	57	2	192	provide the ability to refresh updated formats without restarting the SAS OLAP Server
	131	5	57	provide the ability to cancel all OLAP sessions that have been open longer than a specified amount of time
<i>SAS OLAP Cube Studio</i>				
	55	1	196	provide the ability to select multiple member values by using the CTRL or SHIFT keys when applying member-level security instead of having to add each member individually
	58	3	190	append the .sas file extension to generated code if no extension is provided
	60	4	177	use unique icons to visually differentiate between the different types of cube dimensions that include standard, time, and measures
	180	6	23	provide the ability to define a product as a simple calculation in the Calculated Members interface
	187	7	20	provide the ability to coalesce all aggregations within the Aggregation Tuning interface
	192	8	18	display the number of existing racks that are created during incremental updates for each aggregation of a cube within the Aggregation Tuning interface
	193	9	17	provide the ability to select the default ARM log location from the configuration file in the drop-down list in the Aggregation Tuning interface

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XV</b>				
<b>SAS Web Report Studio</b>				
	103	1	77	provide the ability to cascade a prompt down to multiple equally dependent prompts
	118	2	66	allow the creation of prompts where you have the option to specify a value
	123	3	63	add the ability to hide the Table of Contents and Data Selection panes so that users cannot expand or collapse them
	129	4	59	provide the ability to combine smaller categories into a slice that is labeled as "other" and control what values are represented by this slice
	142	5	54	add the ability to clear the list of recently opened reports
	164	6	36	provide the ability to use a rollover mechanism for the SAS Web Report Studio log
<b>PART XVI</b>				
<b>SAS/STAT</b>				
<i>General</i>				
	139	9	55	implement a randomized parallelizable, truncated SVD algorithm for dense matrices
<i>PROC BOXPLOT</i>				
	67	1	151	add an option that enables you to form groups using combined levels of the group-variable and block-variables, instead of using only the group-variable
<i>PROC GENMOD</i>				
	84	3	103	provide exact poisson regression

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XVI SAS/STAT</b>				
<i>PROC GENMOD</i>	123	7	63	provide quasi-least squares (QLS) estimation of the working correlation matrix for generalized estimating equations (GEE) models
<i>PROC LIFETEST</i>	154	12	45	add a Turnbull algorithm
<i>PROC LOESS</i>	131	8	57	produce residuals in ODS table ScoreResults
<i>PROC PHREG</i>	83	2	106	compute an ROC curve and c-statistic (area under the curve)
	90	4	90	add the ability to fit random effects models including frailty models
	94	5	85	provide the capability to automatically fit smoothing splines
<i>PROC POWER</i>	113	6	70	add more tests for non-inferiority analysis to the TWOSAMPLEFREQ statement
<i>PROC QUANTREG</i>	151	11	47	add a RESTRICT statement
<i>PROC ROBUSTREG</i>	147	10	52	provide the capability to make pairwise comparisons for robust ANOVA

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XVII</b>				
<b>SAS/ETS</b>				
<i>PROC AUTOREG</i>	178	2	26	support the Bai-Perron Multiple Structural Change test and the Andrews Structural Change test
<i>PROC ESM</i>	188	4	19	provide the ability to specify starting values for the smoothing state at time t=0
<i>PROC PANEL</i>	171	1	30	support autocorrelation test of residual in the dynamic panel model when level equations are used
<i>PROC QLIM</i>	179	3	25	add a DESCENDING option to reverse the sorting order for the levels of the discrete dependent variable
<i>PROC VARMAX</i>	188	4	19	support a NOESTIMATE option with an INEST= data set to specify the model parameter estimates to be used in forecasting
	188	4	19	support more general RESTRICT statement specifications, such as linear functions of the model parameters
<b>PART XVIII</b>				
<b>SAS/QC</b>				
<i>General</i>	89	2	92	provide a procedure for multivariate process monitoring

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XVIII</b>				
<b>SAS/QC</b>				
<i>PROC CAPABILITY</i>				
	86	1	96	add support for more distributions, such as the Generalized Extreme Value and Pareto distributions
<i>PROC CUSUM</i>				
	174	3	28	add an option to reset the cumulative sum
<i>PROC RELIABILITY</i>				
	184	4	21	add the capability to fit the 3-parameter Weibull distribution to censored lifetime data
<b>PART XIX</b>				
<b>SAS High-Performance Forecasting</b>				
<i>PROC HPF</i>				
	194	1	11	add an ERRORCONTROL option, as found in PROC HPFENGINE
<b>PART XX</b>				
<b>SAS/ACCESS</b>				
<i>General</i>				
	46	2	224	add a DBSASTYPE option that can be included for PROC SQL Pass-Through queries
	99	3	79	add the ability to read and write JMP files through a LIBNAME statement
	150	7	49	increase the current default value of the DBMAX_TEXT option

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XX</b>				
<b>SAS/ACCESS</b>				
<i>Interface to DB2</i>				
	161	8	39	add the flexibility to change the default datatype decisions
<i>Interface to OLE-DB</i>				
	126	5	62	add an option to the SAS/ACCESS Interface to OLE DB software that enables you to read Boolean data types
<i>Interface to Oracle</i>				
	31	1	251	store the label information from a SAS data set into a table comment, and store the variable label information from a SAS data set into a column comment
	115	4	69	provide the ability to create a delimited data file, instead of a fixed-length data file, when using the BULKLOAD option to load data to Oracle
	174	9	28	add support for Oracle Transparent Application Failover (TAF)
<i>Interface to PC File Formats</i>				
	131	6	57	add the ability to convert character formats to SPSS value labels using PROC EXPORT
<b>PART XXI</b>				
<b>SAS Integration Technologies</b>				
<i>SAS Stored Processes</i>				
	14	1	330	provide a SAS language interface for executing stored processes from a SAS program, including the ability to programmatically control the stored process input and output as well as retrieve execution status

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XXI</b>				
<b>SAS Integration Technologies</b>				
<i>SAS Stored Processes</i>				
	61	2	176	provide the ability to monitor the current status and activity of SAS Stored Process Servers
	68	3	147	provide a batch queue framework for execution of stored processes, and include the ability to manage the number of active stored processes and terminate pending or executing stored processes
	81	4	115	provide a command line utility for executing stored processes
	88	5	95	provide a user interface in SAS Management Console and other client applications to deploy stored processes for execution at scheduled times
<b>PART XXII</b>				
<b>SAS Management Console</b>				
	26	1	262	add a capability to the User Manager plug-in that enables you to view the indirect and implicit groups or roles that are associated with a user or group identity
	46	2	224	provide a search facility for all applicable plug-ins that enables you to quickly locate a specific user or group from the full list of users and groups in the metadata repository
	48	3	221	add a capability to the User Manager plug-in that enables you to sort users in a role or group by the Name that is stored in the metadata as well as by the Display Name

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
<b>PART XXIII</b>				
<b>SAS Metadata Server</b>				
	36	1	243	provide a utility that consolidates the steps that are required to remove a user from the system; the utility should remove the user definition from metadata, remove all access controls that are associated with that user, remove the user's home folder, remove Content Server content that is associated with the user, and provide solution-specific behavior as needed
	53	2	202	provide a capability that enables you to use a wildcard character on the SELECT and EXCLUDE statements to include a range of table names; for example, SELECT TEST *; would select tables with the names TEST1, TEST2, TEST3, TEST4... TESTn
<b>PART XXIV</b>				
<b>Metadata Server Utilities</b>				
	23	1	267	provide the ability, when marking a library as pre-assigned, to specify whether the library is assigned by the server with its default engine or the META engine

**Distribution of Respondent Job Functions:**

58% Applications Programmer  
28% Manager/Staff End User Department  
15% Manager/Staff Information Center  
33% SAS Software Consultant  
17% SAS Software Representative  
33% SAS Software Training Coordinator  
55% Statistician  
42% Systems Analyst  
40% Systems Manager