

2009 SASware Ballot[®] Results

	OVERALL RANK	RANK WITHIN PART	NUMBER OF VOTES	
PART I				
SAS Language				
<i>General</i>				
	3	1	744	provide an option that enables you to turn off or on certain notes that are written to the SAS log; for example, notes about data set compression, invalid data, or invalid argument to a function
	25	3	363	provide the ability to define SAS data set and variable names with a length of up to 70 characters
	40	11	177	add a method for SAS to estimate the number of observations in a view in order to estimate resource needs
	44	12	166	generate a log message to indicate a loss of precision may occur when changing a numeric value from 8-bytes to a smaller number of bytes
	52	14	144	allow multiple SAS jobs to function as batch SAS command line parameters
	57	15	129	allow the usage of special characters such as: !, &, %, and ^ when creating or applying passwords with PROC DATASETS or other SAS processes
	59	16	125	provide the ability to enter numeric option values with commas included as in FIRSTOBS=256,789
	66	19	115	add the ability to create bit map indexes to enhance performance and take up less space
	88	24	95	provide a PROPCASE value for the VALIDVARNAME= option to capitalize the first letter in each variable name

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PART I				
SAS Language				
<i>DATA Step</i>				
	27	5	294	set a DATA step variable to indicate which data sets contribute data for a MERGE statement
	30	7	236	add a window to the DATA step debugger that lists the values of all variables
	121	27	58	add an option similar to DKRICOND that enables you to set the level of message when you get the message "SAS went to a new line when input statement reached past the end of a line."
<i>Functions</i>				
	26	4	323	add an option to the SUBSTR function that enables you to enter the ending position of the substring to extract
	28	6	265	add a function that shows the current line number of the code from which that code was called
	34	9	205	add a function or CALL routine to set a variable to a value when passed the name of the variable to set and the value to set it to
	49	13	150	allow the DATA step OPEN function to open a data set for write and update access, and provide functions to add and update observations in a data set
	85	23	97	add a function that allows you to abbreviate the value of a variable in order to better make use of space in the output
	125	28	55	add an option similar to FMTSEARCH that enables you to specify an alternate location for the zip code data set

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PART I				
SAS Language				
<i>Display Manager System & Enhanced/Text Editor</i>				
	4	2	737	provide the functionality to stop a SAS process in interactive mode exactly as the ERRORABEND option stops a process in batch mode - immediately stop the process upon error, produce a log, and not terminate the session
	31	8	228	add the ability to highlight and submit multiple discontinuous blocks of code
	36	10	202	add the ability to submit the PROC or DATA step in which the cursor is currently positioned without highlighting the code
	61	17	124	provide a method for the recently used files list of the SAS Explorer window the ability to expand the width of the text displayed, or display enough text to distinguish as unique
	71	20	108	allow keyboard macros to issue SAS commands
	95	25	83	add the ability to search macro descriptions in the Keyboard Macros window
	105	26	74	add the ability to set the foreground and background colors for both selected (highlighted) text (when the Find window is active) and selected text not in focus (Find window closed)
	169	29	28	issue messages to indicate that a font size is incompatible with 3270 programmed symbols
<i>Viewtable Window</i>				
	63	18	120	provide an option to disable text wrapping
	74	21	107	provide the ability to set justification of column values
	80	22	105	provide the ability to scroll horizontally via a function key

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PART II				
Base SAS Procedures				
<i>PROC CPORT</i>	55	12	131	provide an option to allow the encryption of transport files
<i>PROC FORMAT</i>	7	1	670	add the ability to create multilabel formats using CNTLIN data sets
<i>PROC FREQ</i>	66	16	115	increase consistency between the crosstabs template and other table templates
	120	23	59	provide the Mantel-Fleiss criterion for the stratified Mantel-Haenszel test
<i>PROC MEANS</i>	97	20	81	provide an alternate form of the AUTONAME option
<i>PROC REPORT</i>	32	3	210	provide the ability to suppress summary lines when there is only one observation for a group
	37	5	196	add an option to prevent groups from splitting across pages
	43	7	171	provide an option to specify an indentation when text flows to the next row
	45	8	156	for ODS HTML, PDF, RTF, and PRINTER output, optionally suppress the printing of a blank LINE statement when all of the variables used in the LINE statement are either blank or missing

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PART II				
Base SAS Procedures				
<i>PROC REPORT</i>				
	50	10	147	provide the ability to conditionally execute LINE statements in a COMPUTE block
	55	12	131	provide the ability to dynamically align text from LINE statements with report columns
	62	14	123	support COMPUTE BEFORE <i>_PAGE_</i> and COMPUTE AFTER <i>_PAGE_</i> with ODS RTF output
	63	15	120	provide the ability to have multiple justifications for LINE statements in a COMPUTE block in ODS output so that each LINE statement can be customized, and make each LINE statement an individual cell in ODS destinations
	71	17	108	provide the ability to use multiple BREAK statements on the same GROUP or ORDER variable
	85	18	97	change the way output is printed when ACROSS variables are used to align values in the same row
	94	19	88	provide an option to produce a line, like the HEADLINE option produces, below the report after the detail rows on a page and above the footnotes on each page
	97	20	81	eliminate the requirement that each item in a LINE statement have an accompanying format
	104	22	75	add labels created from a combination of column header values to the ACROSS variable columns in output data sets
<i>PROC SORT</i>				
	45	8	156	provide the ability to sort all variables except variables listed on the BY statement

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PART II				
Base SAS Procedures				
<i>PROC SQL</i>				
	12	2	605	add a NOWARN option to prevent WARNINGS from being returned by PROC SQL
	33	4	207	add the ability to use a CALCULATED reference on an ON clause like you can on a WHERE clause with PROC SQL
	41	6	175	provide the ability to create a macro variable range without having to specify an upper bound for the range using the PROC SQL / :INTO syntax
<i>PROC UNIVARIATE</i>				
	51	11	146	add confidence interval options for nonstandard quantiles
PART III				
SAS Macro Facility				
	1	1	859	assign line numbers to code seen in a log generated by a macro in order to correlate with any LINE:COL messages given at the bottom of a DATA Step
PART IV				
SAS Output Delivery System (ODS)				
<i>ExcelXP</i>				
	54	1	140	provide the ability to determine the location to start writing data using the ExcelXP tagset
	70	2	110	provide the ability to populate the VLOOKUP and HLOOKUP functions using the ExcelXP tagset

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PART IV				
SAS Output Delivery System (ODS)				
<i>ExcelXP</i>	74	3	107	include procedure titles in output that is created with the ExcelXP tagset
<i>PRINTER (PCL, PDF, PS)</i>	83	4	102	allow access to page numbers in ODS PRINTER destinations (PCL/PDF/PS) as macro variables
	102	5	77	provide the ability to reset LASTPAGE in the ODS PRINTER destinations (PCL/PDF/PS)
PART V				
SAS/GRAPH				
<i>General</i>	29	1	261	provide an option to move the origin of the X axis to a specified value on the Y axis
	103	4	76	provide the ability to convert coordinate values between various map projections
<i>PROC GCHART</i>	91	3	92	provide the ability to generate a legend when the ERRORBAR option has been specified on the VBAR/HBAR statement
<i>PROC GMAP</i>	59	2	125	provide the ability to show bubbles within map areas where the size of the bubble represents the data

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PART VI				
SAS/AF				
	140	1	45	add a parameter to the LVARLEVEL function to specify whether a missing value, if found, should be returned with the unique values of a table column
	143	2	43	promote the List View Control to production status
	162	3	32	provide the ability to open the Tab Order window from the Properties window
PART VII				
SAS AppDev Studio				
<i>General</i>				
	124	1	56	add a visual editor for JSP pages
	127	2	54	provide support for developing Web service interfaces
	131	3	52	provide a more automated deployment process for custom Web applications
PART VIII				
SAS BI Dashboard				
	18	1	558	provide documentation for customizing SAS BI Dashboard
	108	2	70	add a process indicator to show that the dashboard display is still loading
	109	3	66	provide the ability to pass a parameter from a parent dashboard to a child dashboard, and display the parameter value as part of the child dashboard name

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PART VIII				
SAS BI Dashboard				
	112	4	62	provide the ability to link to a specific report section
	121	5	58	provide the ability to define dynamic ranges based on current data
	129	6	53	provide the ability to display the dashboard name above the indicator
	131	7	52	provide more flexibility when aligning the gauges in a dashboard
	135	8	51	provide a better method for handling missing values that are displayed in indicators
PART IX				
SAS Add-In for Microsoft Office				
	2	1	796	add the ability to change the type from numeric to character and vice versa when copying data from Excel to SAS data sources
	71	2	108	provide an option to enable or disable the evaluation of a formula when it is the value in a table
	74	3	107	provide the ability to modify existing templates
PART X				
SAS Enterprise Guide				
<i>General</i>				
	5	1	730	provide the ability to run tasks up to a certain point in the process flow
	6	2	717	provide the ability to specify the delimiter to be used when exporting data

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PART X				
SAS Enterprise Guide				
<i>General</i>				
	8	3	664	provide the ability to span multiple sheets when data that is sent to Excel does not fit in one worksheet
	9	4	660	provide the ability to directly attach HTML and companion files, like images and stylesheets, to e-mail instead of attaching them as a combined zipped file
	14	5	586	provide the ability to export multiple tables from a Microsoft Access Database
	35	6	203	provide the ability to change a column name or table name for the whole process flow
	39	7	180	provide the ability for end users to add items to the pop-up menu
	41	8	175	provide the ability to add output data options to the Summary Statistics task
	47	9	155	provide the ability to combine multiple projects into one project process flow so that multiple projects can be run in succession
	48	10	153	provide the ability to import multiple Excel files at once
	52	11	144	add an option to control the spacing between nodes in the process flow
	92	12	91	provide the ability to send default output when there is no output to send
	101	13	78	provide an option to compress all task generated data sets
	105	14	74	list the input data source in the results title or footnote by default

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PART X				
SAS Enterprise Guide				
<i>General</i>				
	140	15	45	provide the ability to cluster large data sets in the CLUSTER task by allowing options for a) forming preliminary clusters using K-means followed by b) hierarchical clustering of the preliminary clusters and c) mapping the original observations into the final clusters
	162	18	32	add an option to enable the CLUSTER task to create a cluster data set for a given cutoff level in the tree instead of only for a given number of clusters
<i>OLAP Analyzer</i>				
	153	16	37	combine the ACTIVEX and Graph options dialogs
	159	17	34	include menu selections that allow table or graph navigation on data cells
PART XI				
SAS Information Delivery Portal				
	21	1	542	assign content administrators based on groups instead of individual identities
	22	2	538	display the page tabs in the banner area while viewing content such as stored processes or information maps
	114	3	61	add the ability to download WebDAV files
	114	3	61	provide the ability to customize error pages

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PART XI				
SAS Information Delivery Portal				
	123	5	57	allow users to customize the starting folder for all navigator portlets
	125	6	55	provide the ability to do a full text search within documents stored on the WebDAV server
	138	7	46	add additional icons for common file types when viewing WebDAV files, as well as provide the ability to customize and add icons for additional file types
PART XII				
SAS Information Map Studio				
	20	1	551	provide the ability to view the metadata of an information map in a Web report
	100	2	79	provide an option for defining a join relationship as "outer" or "inner"
	114	3	61	provide "AND" as a conditional operator when multiple authorization filters are applied
	118	4	60	support drill-across functionality from one dimension member to another
	127	5	54	provide the ability to set security permissions on individual filters
	137	6	48	provide the ability to choose the action to be applied, like move, copy, or cancel, when you drag and drop using the right mouse button
	169	7	28	assign single available server automatically to a library

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PART XIII				
SAS OLAP Server				
	23	1	534	support many-to-many dimensions in a cube structure
	24	2	530	include the cube job as part of the export process
	129	3	53	provide the ability in the table selector of Cube Designer to select a table from a SAS library or metadata folder location
	145	4	42	provide sorted lists of measures in all views of the items
	147	5	41	include metadata and procedure options within the log output following the execution of the short form of PROC OLAP
	172	6	27	include all dimension tables during export of multiple language cubes
PART XIV				
SAS Web Report Studio				
	11	1	608	provide the ability to view the PROC SQL that is generated in SAS Web Report Studio
	15	2	584	provide the ability to display a cumulative total column next to the total column
	79	3	106	provide an option to allow column headings and subheadings to wrap
	84	4	101	provide the ability to include legends for conditional highlighting rules
	87	5	96	provide the ability to specify tool tips over table columns, rows, and the title
	92	6	91	provide the ability to format the percent of total calculation

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PART XV SAS/STAT				
<i>PROC KDE</i>				
	131	10	52	provide a SCORE statement
	159	12	34	add optimal bandwidth selectors for bivariate density
<i>PROC LIFEREG</i>				
	112	8	62	fit a Gompertz distribution
<i>PROC LIFETEST</i>				
	74	1	107	compute confidence limits on the difference in median survival times between groups
	111	7	65	perform k-sample median tests for right-censored data
	118	9	60	provide an option to compute Peto's variance formula for the Kaplan-Meier survival estimates
<i>PROC PHREG</i>				
	74	1	107	compute an ROC curve and c-statistic (area under the curve)
	90	4	93	perform Cox regression with interval-censored data
	96	5	82	add the ability to fit random effects models including frailty models
	107	6	72	fit relative survival models
<i>PROC QUANTREG</i>				
	131	10	52	provide a test for parameter differences across multiple quantiles

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PART XV SAS/STAT				
<i>PROC SURVEYMEANS</i>				
	80	3	105	add an option to compute stratum-level estimates
PART XVI SAS/ETS				
<i>General</i>				
	149	2	39	provide a cross-section or time-series modeling procedure to analyze the impact of business process or product changes, where experimental cross-sectional units can be observed during different time periods
	156	4	35	support a procedure for fractal time-series analysis, including fractional Brownian motions and the stable Paretian distribution for modeling and simulation
	162	6	32	support bilinear time-series models
<i>PROC ARIMA</i>				
	172	7	27	support a SIGMA= option in the ESTIMATE statement to be used in computing the log-likelihood function value when model parameter estimates are provided and the NOEST option is used
<i>PROC ESM</i>				
	188	14	15	provide an option to allow for alternative constraint specifications on the smoothing weights other than the default Zero-One/Additive constraint

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PART XVI				
SAS/ETS				
<i>PROC MODEL</i>	161	5	33	add an option to produce output of the GMM overidentifying restrictions-test statistic, p-value, and degrees of freedom of the test
<i>PROC PDLREG</i>	184	11	19	support Shiller's distributed lag model with smoothness priors
<i>PROC QLIM</i>	153	3	37	add an option to compute the marginal effects of a dummy variable as discrete change when the dummy variable changes from 0 to 1
<i>PROC TIMESERIES</i>	135	1	51	support model-based methods for seasonal adjustment of weekly time-series data
<i>PROC VARMAX</i>	181	8	21	compute and output standardized residuals for GARCH models
	182	9	20	compute and output robust standard errors for GARCH models
	185	12	18	support a HETERO statement to include exogenous variables in the variance equations
	185	12	18	support Smooth Transition AutoRegressive (STAR) and Smooth Transition Vector AutoRegressive (STVAR) models

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PART XVI SAS/ETS				
<i>PROC X12</i>	182	9	20	support the Signal Extraction in ARIMA Time Series (SEATS) method for seasonally-adjusting time-series data
PART XVII SAS/IML				
	149	1	39	support a function for simulating time-series data based on exponential smoothing models or processes
	178	2	23	add the MU and SIGMA input arguments to CALL ARMALIK in a manner similar to their support in CALL ARMASIM
PART XVIII SAS/OR				
<i>PROC OPTMILP</i>	174	1	26	allow specification of a partial solution in the PRIMALIN= input data set as a warm start technique
<i>PROC OPTMODEL</i>	180	2	22	add sorting capabilities to the modeling language
PART XIX SAS/QC				
<i>PROC RELIABILITY</i>	178	1	23	produce Crow-AMSAA reliability plots

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PART XX				
SAS High-Performance Forecasting				
<i>General</i>				
	167	1	30	add an INPUTBY option to allow input variables to be used according to BY groups
PART XXI				
SAS Enterprise Miner				
	140	1	45	add a Survival Analysis node
	151	2	38	add a CLUSTER node option to enable the comparison of clustering results across different techniques and across different numbers of clusters
	153	3	37	allow easier determination of the winning model in the Model Comparison node results
	156	4	35	allow the Score node to use both interval and nominal targets in the same node
	156	4	35	add highlighting to the Properties Panel to identify properties that have changed from their default value
	165	6	31	add the ability to sort the contents of the Select Data Source window when assigning a data source to the Input Data Source node
	169	7	28	allow multiple hidden layers in the Neural Network node
	174	8	26	add an EQUAL value as a possible interval grouping method in the Interactive Grouping node
	176	9	24	show the selected model in the End Groups node when multiple modeling nodes exist in the group flow
	176	9	24	move the Delete Project section to the bottom of the File Menu list

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PART XXII				
Data File Management				
<i>Import/Export Wizard</i>				
	65	1	116	add a radio button to control the end of record marker when reading delimited files using the IMPORT WIZARD
PART XXIII				
SAS/ACCESS				
<i>General</i>				
	10	1	610	allow the use of encoded passwords when submitting COMPLETE, PROMPT, or NOPROMPT connections to access external databases with SAS/ACCESS products
	38	2	194	add PROC SQL Pass-Through macro variables that report on rows being inserted, updated, or deleted
	58	3	127	provide a method of preventing the automatic assignment of labels when using SAS/ACCESS software
<i>Interface to MySQL</i>				
	145	5	42	allow the SERVER= option to accept a fully qualified host name without quotes when using SAS/ACCESS Interface to MySQL
<i>Interface to Oracle</i>				
	82	4	104	add an option to control the maximum amount of time that SAS waits when trying to connect to Oracle
<i>Interface to Teradata</i>				
	165	6	31	add the SLEEP and TENACITY options to SQL Pass-Through when using the DBSLICEPARM option

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PART XXIV				
SAS Scalable Performance Data Server				
	185	1	18	include MINMAXVARLIST settings for each member in the results of the CLUSTER LIST command
PART XXV				
SAS/SHARE				
	109	1	66	add a SAS system option that specifies the default TCP/IP address to use in connecting to a SAS/SHARE server
PART XXVI				
SAS/CONNECT				
	68	1	114	add and make as the default an option that prevents truncation of records in flat files that are UPLOADED or DOWNLOADED without having to resort to using LRECL=nnnnn on both input and output filenames
PART XXVII				
SAS Integration Technologies				
	19	1	554	add a Sharepoint as a publishing target
	151	2	38	add the ability to retrieve page results from LDAPS dataset functions

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PART XXVIII				
SAS Management Console				
	13	1	596	provide the ability to display implicit and nested membership for users and groups
	69	2	111	provide the ability to define library metadata in batch
	143	3	43	provide the ability to import and export an ESRI Map Service
PART XXIX				
SAS Metadata Server				
	97	1	81	add support in the repository wizard to browse and configure with remote file systems
	138	2	46	preserve the original constraint name when registering table metadata
PART XXX				
Metadata Server Utilities				
	16	1	581	provide the ability to direct output from PROC METADATA to a SAS data set
	17	2	575	provide an autocall macro to produce a list of all objects of a specified type that are stored in a particular SAS Metadata Repository
	114	3	61	provide the ability in the METABROWSE utility to view the entire value for a TextStore object that contains more than 1000 characters in the StoredText attribute

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PART XXXI				
Systems (General)				
	88	1	95	allow single sign-on from Windows to UNIX using Kerberos
PART XXXII				
SAS System for Mainframes				
<i>SAS System under z/OS</i>				
	147	1	41	expand the INFILE statement wildcard (*) functionality on z/OS beyond the current limited support for PDS members and UNIX System Services (USS) paths
	168	2	29	enhance the FINFO DATA step function by adding the ability to return ISPF stats and load module information for library members

Distribution of Respondent Job Functions:

- 69% Applications Programmer
- 61% Manager/Staff End User Department
- 4% Manager/Staff Information Center
- 51% SAS Software Consultant
- 47% SAS Software Representative
- 3% SAS Software Training Coordinator
- 27% Statistician
- 53% Systems Analyst
- 6% Systems Manager