

1999 SASWare Ballot® Results

(4,369 Total Votes)

PART I SAS Language

General

Overall Rank	Part Rank	Number of Votes	Item Number	
1.0	1.0	3725	3	provide a FORMAT/NOFORMAT system option to indicate whether to use associated formats in the DATA step or procedures
23.0	4.0	2925	2	provide a functionality similar to AUTOEXEC that allows a set of code to be executed at termination of the SAS session
33.0	6.0	774	1	provide a system option to control the number of decimal places printed for any output

DATA Step

Overall Rank	Part Rank	Number of Votes	Item Number	
16.0	3.0	3045	5	provide the number of records read or written to external file(s) as user-accessible information
72.0	7.0	282	6	provide an INITMISS= data set option to specify whether variables should be initialized to missing for each iteration of the DATA step when using the MODIFY, SET, MERGE, or UPDATE statements
101.0	10.0	180	4	provide the ability to use a variable list for the SORTED-BY= data set option to avoid typing long lists of variables

Functions

Overall Rank	Part Rank	Number of Votes	Item Number	
98.0	9.0	190	8	add an option to the ROUND function to round down, round up, or truncate values
152.0	12.0	82	7	provide a function to calculate the probability for the multi-variate normal distribution

Informats and Formats

Overall Rank	Part Rank	Number of Votes	Item Number	
28.0	5.0	861	12	provide a MMYW informat to read month and year values with a width of 4 or 5 and create SAS date values that use the first day of the month for the day portion
82.0	8.0	251	11	provide a ZIPCODE format to display the 10-character zipcode including the dash

Overall Rank	Part Rank	Number of Votes	Item Number
119.5	11.0	142	9

provide an informat and format like VMSZnw for all systems to be able to read or write zoned decimal values that are produced by other software on ASCII systems

172.0	13.0	59	10
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provide a format to write time in military form with leading zeros for times before 10:00 a.m.

WHERE Statement

Overall Rank	Part Rank	Number of Votes	Item Number
2.0	2.0	3717	13

provide the ability to display the WHERE clause in printed output

PART II Base SAS Procedures

All Procedures

Overall Rank	Part Rank	Number of Votes	Item Number
14.0	9.0	3145	14

provide the ability to use -L, -C, and -R with formats on a FORMAT statement to left-align, center, and right-align

19.0	12.0	2993	15
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provide an option to produce a header line when the input data set contains no observations

30.0	15.0	842	17
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provide an option to allow the page number to be reset when a BY value changes

55.0	19.0	511	18
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provide an option to separate columns in the OUTPUT window with tabs instead of spaces

77.0	26.0	267	16
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provide the SPLIT= functionality in all procedures that allow labeling

PROC CATALOG

Overall Rank	Part Rank	Number of Votes	Item Number
158.0	37.0	73	19

allow the use of the _ALL_ keyword on the DELETE statement with the appropriate entry type to delete all members with the specified entry type

PROC CHART

Overall Rank	Part Rank	Number of Votes	Item Number
89.5	28.0	206	20

add an option to allow uniform axis scaling across BY groups

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PROC CIMPORT

Overall Rank	Part Rank	Number of Votes	Item Number
45.0	17.0	602	21

provide the ability to select specific data sets or catalogs from a transport file when importing

PROC COPY

Overall Rank	Part Rank	Number of Votes	Item Number
4.0	2.0	3647	22

provide the ability to copy SAS data sets without changing the Created and Last Modified dates

181.0	40.0	42	23
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provide an option to copy only data sets with observations to the OUT= data library

PROC CORR

Overall Rank	Part Rank	Number of Votes	Item Number
71.0	25.0	294	24

provide confidence limits for Pearson correlations

PROC CPORT

Overall Rank	Part Rank	Number of Votes	Item Number
136.0	36.0	118	25

provide a way to display contents information for a transport file

PROC FREQ

Overall Rank	Part Rank	Number of Votes	Item Number
44.0	16.0	626	26

provide the ability to output information from more than one table request to a single data set

59.0	22.0	452	27
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add an option to output the number of unique values for a variable in the TABLES statement

132.5	34.5	125	28
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provide the ability to see variable labels when using the LIST option on the TABLES statement

PROC PLOT

Overall Rank	Part Rank	Number of Votes	Item Number
92.5	29.0	200	29

provide a UNIFORM option to uniformly scale axes across BY groups

PROC PRINT

Overall Rank	Part Rank	Number of Votes	Item Number
3.0	1.0	3691	33

allow the OBS column header and the N statistic to be labeled

11.0	7.0	3279	30
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provide explicit control of the number of observations that can be printed on a page

Overall Rank	Part Rank	Number of Votes	Item Number
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18.0	11.0	3013	32
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provide the ability to explicitly control where output will wrap

58.0	21.0	478	31
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provide an option to force a page eject if all observations in the current BY group will not fit on the remainder of the page

112.5	30.0	150	34
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provide an option to suppress printing any variables that have only missing values

132.5	34.5	125	35
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provide an option to allow every nth observation to be printed

PROC PRINTTO

Overall Rank	Part Rank	Number of Votes	Item Number
115.0	31.0	148	36

provide an option to send output to both the specified file or printer and the default output location simultaneously

PROC RANK

Overall Rank	Part Rank	Number of Votes	Item Number
118.0	32.0	143	37

add a ROUND option to specify the number of decimal places to consider when ranking values

PROC REPORT

Overall Rank	Part Rank	Number of Votes	Item Number
8.0	6.0	3438	38

provide the ability to suppress summary lines when there is only one observation for a group

20.0	13.0	2982	41
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provide the ability to print the word 'CONTINUED' when a report spans pages and to print 'END' on the last page

130.0	33.0	129	40
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provide the ability to group by computed columns

173.0	38.0	56	42
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provide the ability to define labels or column names instead of column numbers in an output data set that was created using an ACROSS variable

174.5	39.0	54	39
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add the ability to dynamically align text from LINE statements with report columns

PROC SORT

Overall Rank	Part Rank	Number of Votes	Item Number
24.0	14.0	1367	43

add an option to output observations deleted by the NODUP or NODUPKEY option to an alternate data set

PROC SQL

Overall Rank	Part Rank	Number of Votes	Item Number	
5.0	3.0	3507	45	provide the ability to do index-only reads to enhance performance when doing something like SELECT DISTINCT X (where x is a column of a very large table)
13.0	8.0	3148	44	allow the automatic conversion of variables from character to numeric when performing arithmetic expressions in a query
17.0	10.0	3018	49	allow appropriate functions to take advantage of indexes
52.0	18.0	539	46	allow calculated columns to inherit the default format of the column used in the calculation (for one-column calculations)

Overall Rank	Part Rank	Number of Votes	Item Number	
66.0	23.0	341	47	add a variable to the DICTIONARY.TABLES dictionary table that gives the size of the data set in bytes or megabytes
70.0	24.0	313	48	add SORTEDBY information to DICTIONARY.TABLES

PROC TABULATE

Overall Rank	Part Rank	Number of Votes	Item Number	
6.0	4.0	3475	50	provide an option to suppress the ALL line if the group being summed has only one level
7.0	5.0	3441	51	add the ability to change the text of the word CONTINUED to include the page number the table is continued from

PROC UNIVARIATE

Overall Rank	Part Rank	Number of Votes	Item Number	
57.0	20.0	483	52	provide standard errors and confidence intervals for all of the computed statistics
83.0	27.0	239	53	provide the ability to output the number of unique values for a variable

PART III**SAS Macro Facility**

Overall Rank	Part Rank	Number of Votes	Item Number	
9.0	1.0	3426	54	add line numbers to MPRINT output, so line numbers are continuous in the SAS log
10.0	2.0	3382	61	allow the IN operator to be used in a macro
22.0	3.0	2956	58	enhance the %PUT statement to allow text to be displayed in different colors in order to generate messages that look like SAS-generated NOTE, WARNING, and ERROR messages

Overall Rank	Part Rank	Number of Votes	Item Number	
25.0	4.0	968	55	provide the ability to delete macro variables
38.0	5.0	688	56	add a SOURCE option to use with the STORE option to cause the source code to be saved to the same catalog as the compiled macro
126.5	6.0	132	57	provide the ability to determine the autocall library from which a macro was invoked
164.5	7.0	67	60	allow the PARMBUFF option to include the default values of keyword parameters
204.0	8.0	22	59	provide the ability to sort the output of %PUT _ALL_ or SASHELP.VMACRO alphabetically by scope and name or by name only

PART IV SAS/GRAPH Software**Global Statements (AXIS, LEGEND, SYMBOL, etc.)**

Overall Rank	Part Rank	Number of Votes	Item Number	
35.0	4.0	724	62	provide the ability to specify just axis end points or just an increment value, and let the procedure fill in the other elements
69.0	6.	325	63	provide the ability to order axis values based on the order the data are read in
87.0	7.0	225	64	provide the ability to specify uneven intervals between tickmarks

DATA Step Graphics Interface

Overall Rank	Part Rank	Number of Votes	Item Number	
56.0	5.0	502	66	provide a complete set of functions to query various aspects of a device for any valid field in a device entry, where the results of the query can be used in a DATA step or macro
191.5	10.0	28	65	provide the ability to specify a GSET function to control the line thickness of a box produced with the GDRAW function BAR

Graphics Devices

Overall Rank	Part Rank	Number of Votes	Item Number	
12.0	1.0	3201	67	provide a "fit to page" printing option

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PROC GCHART

Overall Rank	Part Rank	Number of Votes	Item Number	Overall Rank	Part Rank	Number of Votes	Item Number	
				103.5	8.0	174	95	provide the ability to specify the maximum number of selections allowed in a Data Table or Table Editor object
21.0	3.0	2958	69	114.0	9.0	49	91	provide a method to determine which line is selected on the FRAME graphics object when overlays are used
121.0	8.0	141	68	131.0	10.0	128	96	provide an ALL argument to the _GRAY_ and _UNGRAY_ methods to gray or ungray all widgets

PROC GIMPORT

Overall Rank	Part Rank	Number of Votes	Item Number	Overall Rank	Part Rank	Number of Votes	Item Number	
142.0	9.0	107	70	139.0	11.0	112	81	provide a method to fill an SCL list with the values of a SAS table displayed in a Data Form or Data Table object
				145.0	12.0	100	76	provide the ability to create a computed column in the VIEWTABLE window

PROC GPLOT

Overall Rank	Part Rank	Number of Votes	Item Number	Overall Rank	Part Rank	Number of Votes	Item Number	
15.0	2.0	3055	71	148.0	13.0	90	77	provide the ability for the WHERE window called from Data Form or Data Table to subset lookup distinct values based on a subset already applied to the table on the _SET_DATASET_ method
				150.0	14.0	86	90	provide event types that can be triggered by system activity other than user input

PART V SAS/GIS Software

Overall Rank	Part Rank	Number of Votes	Item Number	Overall Rank	Part Rank	Number of Votes	Item Number	
116.0	1.0	146	72	154.0	15.0	78	89	provide an event type to be triggered by a timer
163.0	2.0	68	73	155.0	16.0	76	78	provide a NO EXIT attribute for FRAME applications that not only prevents you from exiting the AF application window but also from attempting to open non-SAS windows

PART VI SAS/AF Software

Overall Rank	Part Rank	Number of Votes	Item Number	Overall Rank	Part Rank	Number of Votes	Item Number	
				156.5	17.0	75	93	provide an AF FRAME calendar object similar to the Microsoft OCX calendar object
41.0	1.0	669	80	159.5	18.0	71	94	provide an execution status indicator class for FRAME entries
43.0	2.0	646	75	174.5	19.0	54	87	improve axis control for date, time, and datetime variables in the FRAME graphics object
46.0	3.0	595	82	189.0	20.0	31	74	provide the ability to define the style of cells in the Data Table object using the keyboard
53.0	4.0	535	88	191.5	21.0	28	92	provide graphics annotate methods to use with the FRAME graphics object
81.0	5.0	252	84	207.5	22.5	20	83	allow the CATALOG class to retrieve all the same information that the SAS System Viewer displays
95.5	6.0	197	85	207.5	22.5	20	86	provide the ability to pass object IDs as input parameters to OLE automation methods
97.0	7.0	191	79					provide the ability to bypass host printing and specify options to control the printing of graphical widgets such as ORGCHART, DATA TABLE, and GRAPHICS

PART VII SAS/FSP Software**PROC FSEDIT**

Overall Rank	Part Rank	Number of Votes	Item Number	
61.0	1.0	412	97	provide the ability to save settings such as line numbers and AUTOSPLIT in the FSEDIT SCL window across sessions

PART VIII Screen Control Language

Overall Rank	Part Rank	Number of Votes	Item Number	
40.0	1.0	670	104	provide the ability to control whether the FILEEXIST function checks for the existence of a physical file or a directory
49.0	2.0	563	105	allow the FINFO function to return the date on an external file
75.0	3.0	274	98	provide the ability for the SCL Static Analyzer to graphically display the associated DO/END and SELECT/END groups
141.0	4.0	108	103	provide the ability to copy a group of items from one SCL list to another using the COPYLIST function
146.0	5.0	94	106	provide the ability to specify the @ modifier in the PUT statement
153.0	6.0	79	99	provide a numeric format that would always return a value recognized by the where interpreter regardless of the settings of any global options
166.0	7.0	66	102	provide the ability to search for embedded text strings in a list item with SEARCHC
167.0	8.0	65	101	provide a look-ahead feature for help when typing text into an SCL entry
229.5	9.0	8	100	provide additional options in the CALL LETTER routine to define an alternate FORM entry for the current LETTER entry and to specify whether text is flowed when the FORM entry changes

PART IX SAS/EIS Software

Overall Rank	Part Rank	Number of Votes	Item Number	
37.0	1.0	696	109	provide the ability to specify in which dimension to place the analysis variables for a multi-dimensional report
147.0	2.0	93	107	support tree-structured data
223.5	3.0	11	108	provide the ability to compute averages for analysis variables that are not additive over time

PART X SAS/STAT Software

Overall Rank	Part Rank	Number of Votes	Item Number	
47.0	1.0	592	110	calculate confidence intervals for all appropriate parameters
50.0	2.0	554	111	provide more extensive non-parametric statistics and tests, including multiple comparisons
79.0	7.0	255	112	provide power analysis and sample-size determination in applicable hypothesis tests
80.0	8.0	253	115	provide support for missing value imputation methods in applicable procedures
119.5	11.0	142	114	add a NORMALIZE option to all procedures having a WEIGHT statement to normalize the weights to sum to the actual sample size
126.5	12.0	132	113	provide one-tailed tests where appropriate

New Procedures

Overall Rank	Part Rank	Number of Votes	Item Number	
65.0	5.0	348	116	provide a procedure for multivariate outlier detection based on robust methods
95.5	9.0	197	118	add a procedure for fitting nested or mixed logit (discrete choice) models
144.0	14.0	103	117	provide a procedure to test for multivariate normality

PROC CALIS

Overall Rank	Part Rank	Number of Votes	Item Number	
137.0	13.0	117	119	add standardized effects and compute tests of significance for all effects

PROC CATMOD

Overall Rank	Part Rank	Number of Votes	Item Number	
193.5	19.0	27	121	add an ESTIMATE statement
207.5	21.0	20	120	provide a way to score observations with missing response (like PROC REG and PROC GLM) or to score observations in a separate data set

PROC GLM/PROC ANOVA

Overall Rank	Part Rank	Number of Votes	Item Number	
117.0	10.0	144	122	provide multiple comparisons using the SLICE option
177.5	16.0	47	123	provide an option for the LSMEANS and MEANS statements to give Hsu's MCB (multiple comparison with the best) test

PROC LIFETEST

Overall Rank	Part Rank	Number of Votes	Item Number	
199.5	20.0	24	124	add an ORDER= option to control the order in which the levels of the STRATA variable appear on the output
218.5	23.0	13	125	compute the $G^{\{\rho\}}$ class of weighted rank statistics of Harrington and Fleming
231.0	26.0	7	126	provide an option to suppress the permutation approach for handling ties in the computation of the rank tests of survival time and covariates

PROC LOGISTIC

Overall Rank	Part Rank	Number of Votes	Item Number	
62.0	4.0	354	127	allow fitting of generalized logit models (for nominal, categorical responses)

PROC PHREG

Overall Rank	Part Rank	Number of Votes	Item Number	
162.0	15.0	69	132	compute the survival function for the Cox model with time-dependent covariates when they are specified by SAS programming statements
186.5	18.0	33	131	add a WEIGHT statement for incorporating case weights
214.5	22.0	14	128	add the C statistic
225.5	24.0	10	129	compute the robust variance estimator and the global influence function
227.5	25.0	9	130	compute the Z:PH statistic for each covariate

PROC REG

Overall Rank	Part Rank	Number of Votes	Item Number	
60.0	3.0	426	133	provide a test for lack-of-fit
67.0	6.0	336	135	provide a BOUNDS statement so parameters can be restricted to a range of values
184.0	17.0	35	134	implement an all possible regression selection method based on PRESS statistics

PART XI SAS/ETS Software**New Procedures**

Overall Rank	Part Rank	Number of Votes	Item Number	
103.5	3.0	74	137	provide a procedure to estimate a system of nonlinear equations on pooled time-series cross-sectional data
151.0	4.0	84	136	provide a procedure to analyze panel data when the response variable is categorical

Time Series Forecasting System

Overall Rank	Part Rank	Number of Votes	Item Number	
84.0	1.0	237	138	provide a way to get one-step ahead predictions based on a rolling regression when using a hold-out sample, rather than simply computing forecasts based on the in-sample parameter estimates

PROC ARIMA

Overall Rank	Part Rank	Number of Votes	Item Number	
184.0	7.0	35	139	support MODEL= and OUT-MODEL= options to write out and read in, respectively, the fitted model in order to forecast a new data set with a previously fitted model
203.0	11.0	23	140	provide the ability to test specific hypotheses and impose linear restrictions on the parameters

PROC AUTOREG

Overall Rank	Part Rank	Number of Votes	Item Number	
199.5	10.0	24	141	provide stepwise model selection for the regressor variables

PROC FORECAST

Overall Rank	Part Rank	Number of Votes	Item Number	
177.5	5.0	47	142	provide the ability to simultaneously model and forecast the total and the components of that total

PROC MODEL

Overall Rank	Part Rank	Number of Votes	Item Number	
182.0	6.0	41	144	support BY-group processing with the PARMSDATA= and ESTDATA= data sets so different starting values can be specified for each BY group
225.5	12.0	10	143	support likelihood ratio tests proposed by Vuong for model specification and non-nested hypotheses

PROC SPECTRA

Overall Rank	Part Rank	Number of Votes	Item Number	
102.0	2.0	175	145	support wavelet analysis

PROC SYSLIN

Overall Rank	Part Rank	Number of Votes	Item Number	
195.5	9.0	26	146	compute and print the standard errors and t-ratios for the reduced form coefficients

PROC TSCSREG

Overall Rank	Part Rank	Number of Votes	Item Number	
186.5	8.0	33	147	provide observation statistics such as predicted values and residuals

PART XII SAS/OR Software**New Procedures**

Overall Rank	Part Rank	Number of Votes	Item Number	
106.0	1.0	168	149	provide an Internet-based client-server application for scheduling and project management
140.0	4.0	110	148	add a procedure that supports the interior point method
164.5	5.0	67	150	add a procedure to convert MPX (Microsoft Project format) to SAS data sets for PROC CPM
193.5	6.0	27	151	add a procedure for automatic model generation

PROC LP

Overall Rank	Part Rank	Number of Votes	Item Number	
232.0	9.0	6	152	add specialized algorithms for covering and partitioning problems

PROC NETFLOW

Overall Rank	Part Rank	Number of Votes	Item Number	
212.0	7.0	16	153	add support for nonlinear interior point

PROC NLP

Overall Rank	Part Rank	Number of Votes	Item Number	
134.0	2.0	122	154	provide heuristic algorithms such as tabu search, simulated annealing, and genetic algorithms
138.0	3.0	116	156	add support for sparse methods for larger problems
214.5	8.0	14	155	add support for non-smooth optimization

PART XIII SAS/QC Software**New Procedures**

Overall Rank	Part Rank	Number of Votes	Item Number	
189.0	5.0	31	157	provide a procedure for analysis of means

ADX Interface

Overall Rank	Part Rank	Number of Votes	Item Number	
212.0	9.5	16	158	provide support for numeric optimization methods

PROC CAPABILITY

Overall Rank	Part Rank	Number of Votes	Item Number	
123.0	2.0	138	163	allow multiple distributions from the same family to be plotted on one histogram
199.5	7.0	24	159	support SAS time formats for the histogram bar values on the horizontal axis
199.5	7.0	24	162	provide overlaid and comparative versions of all graphical displays
199.5	7.0	24	164	add an option to clip off extreme portions of the first and/or last histogram bar when the spec lines are drawn through the first and/or last histogram bar and all of the data fall within specification
218.5	12.0	13	160	add keywords to inset the mean and standard deviation of all distributions
227.5	15.0	9	161	provide the ability to fit the Johnson and Pearson systems of distributions

PROC PARETO

Overall Rank	Part Rank	Number of Votes	Item Number	
128.5	3.0	131	165	add an HBAR statement for creating horizontal Pareto charts

PROC RELIABILITY

Overall Rank	Part Rank	Number of Votes	Item Number	
218.5	12.0	13	166	model the scale parameter in life distributions with the linear model
223.5	14.0	11	167	support parametric models for repairable systems analysis

PROC SHEWHART

Overall Rank	Part Rank	Number of Votes	Item Number	
110.0	1.0	156	168	support SAS time formats on the process variable so that control limits and vertical axis tick marks are labeled according to the formatted values
176.0	4.0	51	171	add an OVERLAY option for plotting multiple process variables on one control chart with one set of control limits
212.0	9.5	16	169	provide an option to add multiple sigma limits on control charts
218.5	12.0	13	170	provide options to suppress control limits within phases

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PART XIV SAS/IML Software

Overall Rank	Part Rank	Number of Votes	Item Number	
105.0	1.0	171	175	support wavelet functions and subroutines
128.5	2.0	131	176	support signal processing functions and subroutines
149.0	3.0	89	174	provide the ability to build user interfaces
168.5	4.0	63	173	support sparse matrices
170.5	5.0	62	172	support complex matrices

PART XV SAS/INSIGHT Software

Overall Rank	Part Rank	Number of Votes	Item Number	
36.0	1.0	711	177	provide the ability to record and replay all user actions
39.0	2.0	679	179	provide the ability to join two data sets
51.0	3.0	553	186	provide a calculator to create new variables
74.0	4.0	278	184	provide the ability to cut and paste
108.0	5.0	163	187	provide statistics and plots for multivariate outlier detection
112.5	6.0	150	180	provide the ability to add legends to charts and plots
122.0	7.0	139	182	provide the ability to have two cumulative distributions on the same set of axes
125.0	8.0	133	188	add support for spatial, geo-statistical, and lattice data analysis
143.0	9.0	104	192	support robust and additional non-parametric statistical methods
156.5	10.0	75	191	provide more general modeling capabilities such as nonlinear least squares
161.0	11.0	70	178	provide the ability to control the number of graphs that print and their placement on the page
179.0	12.0	45	185	provide the ability to specify the same axis scaling on all of the graphs
189.0	13.0	31	183	provide an option to output settings for the distribution analysis showing the variable labels instead of or in addition to the variable names
195.5	4.0	26	181	provide the ability to enter a variable name and modify variable attributes by single-clicking or double-clicking on the column heading block when creating a new data set
199.5	15.0	24	190	support cutting planes and projection from surface plots
218.5	16.0	13	189	support Trellis graphics

PART XVI SAS/LAB Software

Overall Rank	Part Rank	Number of Votes	Item Number	
92.5	1.0	200	193	add nonparametric statistics

PART XVII Data File Management**General**

Overall Rank	Part Rank	Number of Votes	Item Number	
42.0	2.0	661	194	provide the ability to establish a secondary SASWORK area to allow the program to continue processing when the current WORK location runs out of space
85.0	3.0	233	195	provide a system option to allow an error to be generated when a procedure attempts to access an empty data set

Import/Export Wizard

Overall Rank	Part Rank	Number of Votes	Item Number	
86.0	4.0	227	196	provide the ability to create one data set from multiple comma-delimited files with the import wizard

SQL Query Window

Overall Rank	Part Rank	Number of Votes	Item Number	
31.0	1.0	800	197	include SAS functions in the interface
100.0	5.0	184	198	add a menu option to print the generated query
229.5	6.0	8	199	add the ability to change the table names of an included query, even if the table is allocated

PART XVIII Communication Access Methods

Overall Rank	Part Rank	Number of Votes	Item Number	
63.0	1.0	353	200	enhance the server-form LIBNAME syntax for TCP/IP usage in specifying: SERVER=<remote-host-name><tcpip port#>

PART XIX Remote Library Services

Overall Rank	Part Rank	Number of Votes	Item Number	
29.0	1.0	849	201	allow the LIBNAME statement to support DISP=SHR

PART XX SAS/CONNECT Software

Overall Rank	Part Rank	Number of Votes	Item Number	
26.0	1.0	874	202	provide the ability to pass a LAN userid and password to the remote system

PART XXI SAS/SHARE Software**General**

Overall Rank	Part Rank	Number of Votes	Item Number	
88.0	2.0	207	203	enable system security tokens to be automatically exchanged between SAS client and SAS secured servers and thereby eliminate userid and password prompting

PROC OPERATE

Overall Rank	Part Rank	Number of Votes	Item Number	
207.5	3.0	20	204	provide the ability to send administrator-type messages to client sessions that are seen as being connected to the server

PROC SERVER

Overall Rank	Part Rank	Number of Votes	Item Number	
48.0	1.0	591	205	add the ability to disconnect a user from a SAS server after a specified period of inactivity

PART XXII SAS/ACCESS Software**All Interfaces**

Overall Rank	Part Rank	Number of Votes	Item Number	
27.0	1.0	870	206	provide the capability to distinguish between NULL and BLANK character values returned from a DBMS
32.0	2.0	779	208	provide the ability to convert data to the appropriate character set when loading data sets to database software on other platforms (e.g. ANSI to OEM)
94.0	5.0	199	209	provide the ability to use user-defined formats in view descriptors
111.0	6.0	154	207	support "commit and roll back" transaction-level processing verbs within DATA step MODIFY processing when used against relational databases such as Oracle or Sybase
184.0	10.0	35	210	provide a method for reading the S-Plus data files marketed by the Stat-Sci division of MathSoft Inc. Software

New Interfaces

Overall Rank	Part Rank	Number of Votes	Item Number	
205.0	11.0	21	211	provide an Interface to Informix for the PC platforms
218.5	12.0	13	212	provide an interface to read HL-7 data that is used in the medical field

Interface to DB2

Overall Rank	Part Rank	Number of Votes	Item Number	
168.5	8.0	63	213	provide a native interface on the PC platforms

Interface to PC File Formats

Overall Rank	Part Rank	Number of Votes	Item Number	
76.0	3.0	272	215	provide the ability to specify a worksheet name when creating Excel files from SAS data sets
91.0	4.0	205	216	display a warning message when there is data in an Excel field, but SAS reads it in as missing data
135.0	7.0	121	218	prompt the user whether to overwrite an existing file when using PROC DBLOAD or PROC EXPORT
170.5	9.0	62	214	provide an abbreviated way to list all variables of a certain type on a TYPE statement, such as _NUMERIC_ or _CHARACTER_
222.0	13.0	12	217	create a space-delimited file and write a note in the LOG if the DBMS= option is omitted and the extension in the OUTFILE= option is not recognized when using PROC EXPORT

PART XXIII SAS System for Mainframes**General**

Overall Rank	Part Rank	Number of Votes	Item Number	
159.5	2.0	71	219	enhance the INFILE statement FILEVAR= option to allow the user to specify a single tape device (UNIT=AFF)

PROC SOURCE

Overall Rank	Part Rank	Number of Votes	Item Number	
89.5	1.0	206	220	provide the ability to read and write records longer than 80 bytes

PART XXIV IT Service Vision Software

Overall Rank	Part Rank	Number of Votes	Item Number	
68.0	1.0	328	221	provide the ability to create a dynamic graph from a Web browser and drill down into the raw data that produced the graph
233.0	2.0	3	223	allow a FILENAME statement or DDname in CMPROCESS
234.0	3.0	2	222	provide support for the product MEMO with SMF collector VMACMEMO

PART XXV SAS System under OpenVMS**General**

Overall Rank	Part Rank	Number of Votes	Item Number	
99.0	1.0	185	224	provide transparent access of catalogs and catalog entries between OpenVMS for VAX and AXP host systems

PART XXVI SAS System for UNIX Workstations**General**

Overall Rank	Part Rank	Number of Votes	Item Number	
73.0	1.0	280	227	add the ability to write performance information to a flat file or to a SAS data set
107.0	2.0	166	226	add a numeric data type that has greater than 16 digits of precision to allow transparent access to databases with large numeric values, like Oracle's DECIMAL data type
180.0	3.0	43	225	provide support to fully utilize SMP boxes

PART XXVII SAS System for Personal Computers**General**

Overall Rank	Part Rank	Number of Votes	Item Number	
34.0	1.0	758	234	enhance the Find and Replace windows so they do not close automatically
54.0	2.0	532	232	add the REMOTE engine to the drop-down list of available engines with the New Library screen of DLGLIB
64.0	3.0	349	231	add cut and paste capabilities on the command lines and in the FSEDIT window
78.0	4.0	265	228	provide more file extension options when choosing FILE==>SAVE AS in order to save the contents of a window
109.0	5.0	162	233	add a warning dialog to prompt whether to replace, append, or cancel every time the FILE==>SAVE menu item is chosen to save a file in the Program Editor
124.0	6.0	134	230	implement an option to specify the directory to which all saved files should reside, regardless of where a file was last opened
210.0	7.0	19	229	provide the ability to concatenate environment variables

Distribution of Respondent Job Functions

2%	Manager/Staff End User Department
70%	SAS Software Representative
12%	Applications Programmer
15%	SAS Software Consultant
3%	Systems Analyst
2%	SAS Software Training Coordinator
4%	Systems Manager
5%	Statistician
2%	Manager/Staff Information Center

	Yes	No	Response
1. Should SAS Institute Inc. create a certification program for SAS software users?	70%	15%	16%
2. Would you pursue SAS software certification?	73%	24%	3%
3. Are you more likely to hire an individual with professional certification over someone without such certification, if they appear equal in all other areas?	79%	18%	3%
4. Should SAS Institute allow business customers to select pages or chapters from SAS books and receive customized documentation?	83%	13%	3%
5. Would you like to see more examples available on CD-ROM bundled with a hard copy book?	91%	2%	7%
6. Would you be interested in having the ability to submit documentation ideas and obtain information about book projects in progress using the WWW?	29%	68%	3%
7. Would you find a CD-ROM containing an index to all current documentation useful?	89%	9%	2%
8. What types of documentation do you find most informative when learning about SAS Institute products?			
15% "Getting Started" books	67%	Task-oriented information online	
75% Online HELP system	87%	Online examples	
89% Reference books with features arranged alphabetically	20%	Hard copy example manuals	