2004 SASware Ballot® Results

	Overall Rank	Part Rank	Number of Votes	Item Number	
PART I **SAS Language**					
General	11.0	5.0	318	5	add USERINFO fields to SAS data sets to store information (metadata) about the data set and individual variables
	29.0	9.0	243	2	provide a method to access Secure FTP in the FILENAME statement
	35.0	12.0	231	4	add an encryption method (or enhance the current ENCRYPT= option) to provide high grade security using a 128-bit key
	90.5	19.0	133	3	provide an option in the SASFILE statement to pass the named data set to a specified number of DATA and PROC steps, or all subsequent ones, until SASFILE is closed
	149.5	23.0	78	1	add options of VALUE and LONG/SHORT to the GETOPTIONS function to retrieve information about how the option value was set
DATA Step	4.0	2.0	377	7	provide an option in the SET statement to create a variable that will store the name of the SAS data set from which the current observation is read
	103.0	20.0	117	6	provide a method for the GROUPFORMAT option in the BY statement to be applied on a variable-by-variable basis instead of as a whole statement option
	104.0	21.0	115	8	provide an option such as NOLIST to the ABORT statement to prevent listing all variables to the SAS log

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				PART I **SAS Language**
Functions				
1.0	1.0	474	10	provide the ability to pass an ARRAY to SAS functions, especially aggregate functions such as MAX, MEAN, and SUM
8.0	4.0	327	12	provide a new parameter to the SCAN function to perform like the DSD option in the INFILE statement, to handle consecutive delimiters as separate values, and to treat delimiters within quotation marks as data
19.0	7.0	280	16	provide a method, such as a function, to return the current value of the TITLE and FOOTNOTE statements
22.5	8.0	273	11	provide a function that returns the ordinal of a word in a string, such as WORDINDEX("abc de def", "def")=3
33.0	11.0	238	15	provide a function to delete a SAS data set, the same way the FDELETE function deletes an external file
54.0	15.0	185	13	provide a function to multiply values across an observation; for example, X=MULT(2,5,3);
129.5	22.0	91	14	provide a method to determine when the last update occurred on the zip code table that is used for the ZIPSTATE, ZIPNAME, ZIPNAMEL, and ZIPCITY functions
162.0	25.0	60	9	generate a libref automatically if a macro variable named in "libref" has a null value
WHERE *Statement*				
36.0	13.0	228	17	provide an option to control the level of error detection when a WHERE statement fails to return any observations, to allow SAS to continue processing submitted statements or go into syntax check mode
86.5	18.0	138	18	enhance the WHERE statement to allow bit constants, as in where x='00110001'b;

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PART I **SAS Language**				
Display Manager System & Enhanced/ Text Editor				
5.0	3.0	364	26	provide a "code beautifier", similar to the cb utility available with C, that will convert existing sloppily formatted SAS programs to readable format
16.0	6.0	290	25	allow display of parenthesis nesting count at the current mouse location in the Enhanced Editor
32.0	10.0	239	22	add an option to the Enhanced Editor to permit syntax-driven intelligent word wrapping
50.0	14.0	197	24	add syntax completion auto-suggest capability to the Enhanced Editor
56.0	16.0	176	20	provide an option to set or view the location of the AUTOSAVE file
85.0	17.0	141	27	provide the ability to delete output objects from the Results Window based on the name of the object
157.5	24.0	64	21	allow the DMS window title bar (-TITLE) to be mixed-case
170.0	26.0	53	23	include associated key assignments when importing or exporting Enhanced Editor keyboard macros
211.5	27.0	29	19	include some special NLS-translated data sets in SASHELP
PART II **Base SAS Procedures**				
General				
6.0	3.0	335	28	provide an option to compute the mode statistic in procedures that produce summary statistics such as MEANS, TABULATE, and REPORT
PROC CIMPORT				
90.5	42.0	133	29	provide support for the COMPRESS system option

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PART II **Base SAS** **Procedures**				
PROC COMPARE 15.0	8.0	293	32	add an option to ignore case when comparing the values of character variables
24.5	14.5	271	30	add an EXCLUDE statement in order to remove a variable list from the comparison
34.0	18.0	237	31	add an option to list the variables with unequal values in the output data set
PROC CONTENTS 52.0	25.0	191	33	provide an option to include the code that generated or modified the data set in the procedural output
PROC COPY 122.0	47.0	98	34	provide an option to automatically truncate data set names when copying to Version 6 libraries
PROC CORR 63.5	29.0	163	35	add an option to print the Pearson correlations in the upper triangle and the Spearmans correlations in the lower triangle of the correlation matrix
80.5	39.0	147	38	provide a test to compare dependent correlations
115.5	46.0	101	36	add an option to compute the poly-serial correlation between continuous and ordinal variables
145.0	52.0	81	37	add an option to print the n values in the correlation matrix output when n is constant for all pairs of variables in the matrix
PROC CPORT 92.0	43.0	131	39	provide an option to allow encryption on transport files
175.0	54.0	49	40	add a NOCLONE option, as in PROC COPY, to both PROC CPORT and PROC CIMPORT
PROC DATASETS 172.0	53.0	52	41	set an appropriate value of the SYSCC macro variable when statements such as a LABEL statement generate a warning when following the MODIFY statement

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PART II **Base SAS** **Procedures**					
PROC FORMAT	13.0	6.0	302	44	provide an option that would ignore case when matching a value to a range in a user-defined format
	21.0	12.0	278	42	allow the JUSTIFY and UPCASE options to apply to the VALUE statement
	30.0	17.0	241	43	provide the ability to create a PICTURE format for a character value
PROC FREQ	12.0	5.0	305	45	provide a cross-tabulation table template
PROC MEANS	14.0	7.0	294	46	provide the ability to calculate the geometric mean
	45.5	23.0	203	47	provide an option to produce the data set as the table is displayed, with NVar rows and NStat columns
PROC PRINT	2.0	1.0	414	50	provide the ability to display the label of the BY variable rather than the variable name on the summary line
	9.0	4.0	322	53	add an option to print a special report when no observations are found in the data set
	17.0	9.0	286	48	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
	18.0	10.0	281	49	provide an option to insert a blank line after every n lines and provide a secondary option to specify the n value
	24.5	14.5	271	51	provide the ability to specify a variable that will trigger calculation of subtotals when its value changes
	39.0	19.0	218	52	add an option to put the grand total summary line on a separate page when the SUM and PAGEBY statements are used

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PART II **Base SAS** **Procedures**					
PROC RANK	76.0	35.0	155	54	add a WEIGHT statement to allow the weighting of variable values
	95.0	44.0	126	55	add an option to rank that is based on a formatted value
PROC REPORT	40.5	20.0	214	67	add an option to keep groups from splitting across pages
	42.0	21.0	212	59	provide the ability to suppress summary lines when there is only one observation for a group
	59.0	27.0	172	64	allow a header to span more than one ID variable
	65.0	30.0	162	63	provide the ability to condition-ally execute LINE statements in a COMPUTE block
	66.5	31.0	161	71	provide a method to define a SPLIT character that can be used with all ODS destinations
	72.0	32.5	158	61	provide the ability to add labels and column names to ACROSS variables in an output data set
	77.0	36.0	152	65	provide an option to display GROUP and ORDER variables in one box similar to TABULATE output in HTML, RTF, PDF, and PRINTER destinations
	78.5	37.5	150	60	provide the ability to dynamically align text from LINE statements with report columns
	78.5	37.5	150	62	provide the ability to use the break options SKIP, OL, UL, DUL, and DOL in all ODS destinations except OUTPUT
	83.0	40.0	143	68	provide the ability to determine the end of a physical page in order to place LINE statements in COMPUTE AFTER _PAGE_ blocks for all ODS destinations except OUTPUT

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PART II **Base SAS** **Procedures**				
PROC REPORT (continued)				
84.0	41.0	142	70	add an option to suppress the printing of a blank LINE statement when the variables are blank or missing
100.0	45.0	121	56	provide the ability to use multilabel formats
128.0	48.0	93	66	allow placement control of values in the LINE statement via absolute or relative pointers when using ODS destinations other than OUTPUT
134.0	49.5	86	58	provide support for the OF variable list syntax in conjunction with functions such as SUM and MEAN
134.0	49.5	86	69	provide the ability to span special characters in headers for all ODS destinations except OUTPUT
139.0	51.0	84	57	add an option that is used in conjunction with a FLOW'ed ORDER variable which would allow other variables to print beside the flowed lines of text
PROC SORT 3.0	2.0	379	72	enhance PROC SORT to include a new option that would test the input data set to see if it is already in sequence
PROC TABULATE 22.5	13.0	273	73	add a SPLIT= option to control the splitting of labels
27.0	16.0	254	74	allow the use of variable lists, such as A1-A3, in the TABLE statement
47.5	24.0	202	75	add an option to use in conjunction with the MISSING option, which together would include missing value frequencies in the frequency tables but not use them in the calculation of other statistics
53.0	26.0	189	77	provide a feature similar to PCTSUM that calculates the percentage change

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PART II
Base SAS
Procedures

Overall Rank	Part Rank	Number of Votes	Item Number	
PROC TABULATE (continued)				
61.0	28.0	165	76	add an option such as ORDER=SUM to order by the summed value of an analysis variable that would also inter-act wtih the DESCENDING option
PROC TRANSPOSE				
20.0	11.0	279	78	provide an option to transpose each row of data into one variable without requiring a unique BY variable
44.0	22.0	205	79	provide the ability to order by format-ted values, including missing values, in the output data set
PROC UNIVARIATE				
72.0	32.5	158	80	provide Grubb's test for outliers
74.5	34.0	157	81	provide Dixon's test for outliers

PART III
SAS Macro Facility

Overall Rank	Part Rank	Number of Votes	Item Number	
26.0	1.0	258	85	add a macro variable that contains the text of the last error encountered within a program
43.0	2.0	210	82	provide an automatic macro variable that contains the folder path of the batch SAS program or the last pro-gram opened from the File menu, or when SAS is invoked via the regis-tered file type actions
63.5	3.0	163	84	provide a way to hide or encrypt cer-tain macro variables
112.5	4.0	102	83	enhance the RESOLVE function to include support for unprintable characters

PART IV
Output Delivery
System (ODS)

Overall Rank	Part Rank	Number of Votes	Item Number	
10.0	1.0	319	90	provide an easy-to-use GUI to gener-ate STYLE template code
38.0	2.0	221	96	provide the ability to justify images both horizontally and vertically

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				PART IV **Output Delivery** **System (ODS)**
55.0	3.0	179	89	provide an option for ODS PRINTER to automatically scale batch mode output to fit the page
57.5	4.0	174	97	provide a way to embed VBA code into an RTF file so that Microsoft Word will recognize and execute the code when the document is opened
66.5	5.0	161	98	provide an option to password-protect PDF files
68.5	6.0	160	86	provide a method to query ODS options, similar to ODS SHOW, and make the results accessible for use within programming statements
72.0	7.0	158	91	provide an option to control how panels are placed on a page for PRINTER and PDF destinations, such as top to bottom or left to right
80.5	8.0	147	93	provide the ability for TITLE and FOOTNOTE components to have both linked and static portions in the PRINTER and PDF destinations
88.0	9.0	135	100	provide the ability to reduce the space between PROC and DATA step tables when STARTPAGE=NO is in effect
96.5	10.0	124	92	provide the ability to control the thickness of border rules on links in the PDF destination
98.5	11.0	123	88	provide the ability to print COMPUTE BEFORE/AFTER _PAGE LINE statements on every physical page for printer destinations
108.0	12.0	108	94	create an automatic macro variable that contains the path information displayed by the ODS PATH SHOW statement

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PART IV Output Delivery System (ODS)					
	115.5	13.0	101	87	provide the ability to switch character sets in order to produce special characters that are not in the character map of the current character set
	153.0	14.0	70	95	provide a way of programmatically determining the last HTML temporary file created when HTML is selected under the Results tab
	157.5	15.0	64	99	support NO_TOP_MATTER and NO_BOTTOM_MATTER for PostScript and PCL
PART V SAS/GRAPH Software					
General	40.5	1.0	214	101	allow automatically generated graphics filenames to exceed eight characters and include user-requested information such as #BYVAL
	51.0	3.0	194	108	add drill-down capability for graphs in PDF
	68.5	6.0	160	103	provide the ability to use the #BYVAL and #BYVAR options in all SAS statements
	82.0	8.0	145	105	add the ability to draw an arrow on an annotated line at a specified angle
	89.0	9.0	134	106	add a new graphics procedure to create calendar and pie charts
	139.0	16.0	84	107	provide a macro to simulate the look of ODS graph styles on server-side graphs
	141.5	17.5	83	102	add an option to the ACTION statement of a graphics procedure that assigns colors by using a variable
	143.5	19.0	82	104	add support for cross-hatch patterns in Java and ActiveX graphs

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PART V **SAS/GRAPH** **Software**				
General (continued) 159.5	21.0	63	110	provide a README file for the !sasroot/misc/applets directory describing the use of each .jar file
226.0	23.0	22	109	add support for the MENUREMOVE parameter in the Java Map applet
PROC GAREABAR 197.5	22.0	33	111	add support for PATTERN statements in the GAREABAR procedure
PROC GCHART 74.5	7.0	157	112	add an option to calculate the percent of the sum variable for horizontal bar charts that are created by the GCHART procedure
PROC GMAP 119.5	12.0	99	114	provide an EXPLODE option to enlarge the specified map areas
127.0	14.0	94	113	provide the ability to create a continuous color legend
PROC GPLOT 45.5	2.0	203	115	add a GROUP= option
57.5	4.0	174	120	provide an interpolation that allows for only the mean values to be joined
60.0	5.0	167	116	provide the ability to generate horizontal box plots
93.0	10.0	130	121	provide the ability to specify a single symbol in the legend instead of the three default symbols
125.0	13.0	96	119	provide the ability to control the color of bubble plots by using data values
141.5	17.5	83	117	provide the ability to generate solid-filled bubble plots
154.0	20.0	69	118	add support for the HTML= option in GPLOT BUBBLE plots
PROC GREPLAY 107.0	11.0	109	122	add the capability to automatically create paneled output in PROC GREPLAY
PROC G3D 136.5	15.0	85	123	add the ability to display a legend on a G3D scatter plot

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PART VI SAS AppDev Studio					
	230.0	1.0	21	124	provide the ability to set text based on the selection of the ResourceBundle and resource name via the component customizer
PART VII SAS/STAT Software					
General	28.0	1.0	253	125	add a procedure for sample survey design including optimal sample size allocation methods
PROC BOXPLOT	49.0	4.0	198	126	add options to clip extreme outliers so that box plots are more readable when outliers are present
	70.0	5.0	159	130	provide the ability to generate horizontal box plots in PROC BOXPLOT
	94.0	7.0	129	127	add an option to specify the length of the whiskers in percentile units from 0 to 25
	102.0	9.0	118	128	add an option to center the labels within each block
	118.0	14.0	100	129	add a WEIGHT statement so that weighted quantiles can be used in generating box plots
PROC GAM	161.0	30.0	61	131	add an OFFSET= option for use with Poisson models
PROC GENMOD	86.5	6.0	138	132	provide options for score tests of parameters, and in the ESTIMATE statement, for score tests, likelihood-based tests, and confidence intervals
PROC LIFEREG	112.5	11.0	102	135	provide the output data set of PROC LIFEREG with automatically computed estimates of the HAZARD function
	124.0	16.0	97	133	add variable selection capability
	126.0	17.0	95	134	fit parametric models for truncated data
	132.0	20.0	88	136	fit a three-parameter (shape, scale, and threshold) Weibull distribution

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PART VII SAS/STAT Software					
PROC LIFETEST	98.5	8.0	123	137	perform multiple comparisons for tests of homogeneity of the survival curves
	111.0	10.0	106	140	perform person year and standardized mortality ratio analysis
	115.5	12.5	101	143	compute the median survival time for the life table or actuarial method (by interpolation)
	122.0	15.0	98	142	add an option to plot failure versus time
	129.5	18.0	91	138	produce cumulative incidence tables and plots
	131.0	19.0	90	139	provide additional graphics statements such as AXIS and LEGEND
	136.5	22.0	85	141	perform actuarial life table and demographic analyses
PROC MI	165.0	32.0	56	144	add an option for missing pattern print
	195.0	35.0	34	145	provide an option to either not produce the posterior modes using the EM algorithm if no imputation is carried out, or to save this to a SAS data set
PROC PHREG	115.5	12.5	101	146	add the ability to perform frailty analysis and fit random effects models
	152.0	29.0	71	147	add a GROUPNAMES= option to add or delete a group of covariates simultaneously for use with variable selection techniques
PROC REG	31.0	2.0	240	149	add a CLASS statement
	37.0	3.0	227	148	provide a test for lack of fit
PROC SURVEYMEANS	143.5	23.0	82	152	add a CONTRAST statement for comparing means, totals, and percentages across levels of domain variables

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PART VII SAS/STAT Software					
PROC SURVEYMEANS (continued)	147.0	25.0	79	150	compute ratio estimates for subpopulations or domains
	147.0	25.0	79	153	add options for jackknife and balanced repeated replication (BRR) variance estimation methods
	147.0	25.0	79	154	provide an option that treats respondents as a subpopulation in the presence of item nonresponse (same as the default results in SUDAAN)
	149.5	27.0	78	151	add percentile estimation
	163.0	31.0	59	156	add an option to specify which subpopulations to analyze from the DOMAIN statement, rather than getting all the domain levels output
	190.5	34.0	39	155	provide double ratio estimation
PROC SURVEYREG	134.0	21.0	86	159	provide an option that treats respondents as a subpopulation in the presence of item nonresponse (same as the default results in SUDAAN)
	151.0	28.0	77	158	add options for jackknife and balanced repeated replication (BRR) variance estimation methods
	174.0	33.0	51	157	add a DOMAIN statement
PART VIII SAS/ETS Software					
PROC ARIMA	176.5	4.0	48	160	support holdout samples and rolling simulation capability
	178.0	5.0	46	161	print and send to the OUTEST= data set statistics of fit such as R-square, adjusted R-square, MAPE, MPE, MAE, and the Theil statistics
	182.5	8.5	43	164	support an ID statement to copy specified variables from the input data set to the output data set

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PART VIII **SAS/ETS Software**				
PROC ARIMA (continued)				
199.5	18.5	32	162	support RESTRICT and BOUNDS statements to impose restrictions and inequality constraints on the model parameters
206.5	24.0	30	163	support an INEST= data set in the ESTIMATE statement to read in parameter estimates
PROC AUTOREG				
172.0	2.5	52	166	compute additional statistics of fit such as mean absolute percent error (MAPE), mean absolute deviation (MAD) and the corrected Akaike's information criterion (AICC)
181.0	7.0	44	165	compute standardized parameter estimates
232.5	43.5	19	167	allow the XBETA keyword and hetero variables to be specified together in the HETERO statement
PROC EXPAND				
222.0	36.5	23	169	support bivariate moving window transformation operations such as correlations and covariances
237.0	46.0	17	168	support a transformation operation that computes the moving kurtosis
PROC MDC				
193.0	15.0	35	172	support discrete choice models for panel data
195.0	16.0	34	174	add an option to compute marginal effects and elasticities
206.5	24.0	30	170	add an option to compute a test of the assumption of independence of irrelevant alternatives (IIA)
206.5	24.0	30	171	add functionality to estimate alternative-specific intercept and regressor coefficients
218.5	33.5	25	173	support character CHOICE= and ID variables
PROC MODEL				
167.5	1.0	54	177	support simultaneous equation models with random effects
199.5	18.5	32	175	send to a data set the final derivatives that are evaluated at each observation

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				PART VIII **SAS/ETS Software**
201.5	20.0	31	176	*PROC MODEL* (continued) support BY-group processing with the PARMSDATA= and ESTDATA= data sets so that different starting values can be specified for each BY group
179.5	6.0	45	187	*PROC QLIM* support the fixed-effects logit model
182.5	8.5	43	178	support panel-data fixed and random effects for qualitative and limited dependent variable models
186.5	11.5	41	186	support the random-effects probit model
189.0	13.0	40	181	support Tobit analysis with quantile regression models
206.5	24.0	30	179	support stochastic and unobserved threshold models
206.5	24.0	30	185	add a TEST statement to provide multiple tests, such as LM, LR, and Wald, for testing functions of parameters
214.0	30.0	28	182	support models with right-hand-side endogenous variables such as the simultaneous probit model
214.0	30.0	28	183	compute marginal effects for a variable that enters the model nonlinearly; for example, if X and X_SQUARED appear in the model, the marginal effect should depend upon the unit change in X as well as in X_SQUARED
232.5	43.5	19	184	provide an INEST= option to supply starting values for the parameters
235.0	45.0	18	180	support friction models
220.0	35.0	24	188	*PROC SPECTRA* print the p-value that is associated with Fisher's Kappa statistic computed by the WHITETEST option

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PART VIII **SAS/ETS Software**					
PROC SYSLIN	184.0	10.0	42	189	compute statistics of fit based on the log-likelihood function such as AIC
	190.5	14.0	39	191	provide robust regression methods for systems of linear equations
	211.5	28.0	29	190	provide tests of diagonal covariance matrix to compare SUR and OLS models
PROC TSCSREG	172.0	2.5	52	195	provide tests for heteroscedasticity
	186.5	11.5	41	192	provide tests for autocorrelation
	197.5	17.0	33	197	provide statistics of fit including – 2LL, AIC, and SBC
	206.5	24.0	30	193	provide instrumental variables estimation methods for panel data models
	206.5	24.0	30	198	provide unit root tests for panel data
	214.0	30.0	28	194	add an option that sends the fixed-effects parameter estimates to the OUTEST= data set
	216.5	32.0	27	196	support analysis of weighted panel data via a WEIGHT statement
PROC VARMAX	218.5	33.5	25	204	support alternative covariance estimation methods
	222.0	36.5	23	201	provide standard errors for the exogenous variable impulse response function output
	226.0	39.0	22	199	add a conditional variance forecast to the OUT= data set
	226.0	39.0	22	203	support an option to provide starting values for parameters for maximum likelihood estimation
	226.0	39.0	22	205	support restrictions on the covariance matrix of the innovation
	230.0	41.5	21	200	support model estimation by using input data with embedded missing values

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PART VIII **SAS/ETS Software**				
PROC VARMAX (continued)	230.0	41.5	21	202	support inequality constraints on the parameter estimates via a BOUNDS statement
PROC X12	238.0	47.0	10	206	support the SIGMALIM= option in the X11 statement
PART IX **SAS/QC Software**				
PROC CAPABILITY	167.5	1.5	54	207	allow multiple distributions from the same family to be plotted on one histogram
	167.5	1.5	54	208	provide overlaid and comparative versions of all graphical displays
PROC RELIABILITY	206.5	3.0	30	210	add an OUTPUT statement
	222.0	4.0	23	211	fit parametric models for truncated data
	235.0	5.0	18	209	provide a method in the MCFPLOT statement to place a straight reference line on the MCF plot
PART X **SAS/IML Software**				
	164.0	1.0	57	212	allow user-defined modules in IML to have optional arguments
	179.5	2.0	45	215	provide the ability to use undefined matrices in user-defined IML functions
	192.0	3.0	38	214	allow the RANK and RANKTIE functions to accept missing values
	201.5	4.0	31	213	allow parentheses for RETURN statements to be optional
PART XI **SAS/LAB Software**				
	186.5	1.0	41	216	add nonparametric statistics to SAS/LAB software

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PART XII SAS/CONNECT Software					
	105.5	1.0	112	217	add an option to MP CONNECT to allow a timeout value to be set
	156.0	2.0	66	218	activate the RDISPLAY menu item in the SAS/CONNECT monitor
PART XIII SAS/SHARE Software					
	109.5	1.0	107	220	add the ability for a SAS/SHARE server to disconnect a client session after a specified period of inactivity
	155.0	2.0	68	221	provide a client-side LOCKWAIT option to specify a maximum time interval to wait for the availability of a locked object under the control of a SAS/SHARE server
	186.5	3.0	41	219	allow SAS/SHARE servers to communicate with and share libraries with other SAS/SHARE servers in an OS/390 SYSPLEX environment
PART XIV SAS/IntrNet Software					
Application Dispatcher	101.0	1.0	120	222	provide a secure and effective way to pass authentication credentials so that they are available for each request, especially for connecting or reconnecting to a DBMS or SAS/SHARE server
	122.0	2.0	98	223	provide a monitoring tool that can be run by the administrator in determined intervals to query the Application Server for its current status and display that status
	176.5	3.0	48	224	allow multiple load managers to be installed as a Windows service

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PART XV **SAS Integration** **Technologies**					
	119.5	1.0	99	225	allow SAS to be a DCOM client that can talk to external software rather than SAS as a DCOM server that is called by external programs
PART XVI **SAS Research Data** **Management**					
	226.0	1.0	22	226	change the Repository tab to display only the warehouse environments in the Pooled Metadata Repository (PMR) to which the user has access
PART XVII **Future Directions**					
New SAS *Products/Platforms*	109.5	1.0	107	227	provide a port to Mac OS X
PART XVIII **SAS IT Resource** **Management**					
	235.0	1.0	18	228	provide a centralized management method for all PDBs in ITRM
PART XIX **SAS System Viewer** **for PCs**					
	167.5	1.0	54	229	show definitions of Grid and Text for the SAS Viewer's font properties
PART XX **SAS System** **for Mainframes**					
SAS System *under OS/390*	139.0	1.0	84	230	enhance the FILENAME statement for HFS (hierarchical file system) access to support wildcard or pattern matching as allowed on UNIX

Overall Rank	Part Rank	Number of Votes	Item Number	
PART XXI SAS System for PCs				
7.0	1.0	331	233	allow printing the contents of the Enhanced Editor in color on a color printer
47.5	2.0	202	231	add a -sassavedfolder option to define where SAS programs are saved without regard to where they were opened
62.0	3.0	164	234	return all available file information, including file size and modification date, for the FINFO() function
96.5	4.0	124	232	provide the ability to call the Results Viewer programmatically
159.5	5.0	63	235	provide an option to suppress the WAKEUP() function status window
PART XXII SAS System for UNIX				
105.5	1.0	112	236	add a system option to limit the amount of workspace that is used by a SAS process on UNIX
195.0	2.0	34	238	provide a SAS interface to REXX on UNIX
216.5	3.0	27	237	provide SAS/GRAPH map data sets in an uncompressed format on UNIX systems

Distribution of Respondent Job Functions:

39%	Applications Programmer		**5%**	SAS Software Training Coordinator
16%	Manager/Staff End User Department		**44%**	Statistician
5%	Manager/Staff Information Center		**20%**	Systems Analyst
16%	SAS Software Consultant		**9%**	Systems Manager
11%	SAS Software Representative			