2002 SASware Ballot® Results

(out of 1639 total votes)

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
General	7.0	2.0	737	6	add the ability to independently center, right-justify, or left-justify a TITLE and a FOOTNOTE statement
	10.0	5.0	693	2	provide a system option to control the number of decimal places that are printed for any output
	13.0	6.0	658	1	provide the ability to use -L, -C, and -R with formats in a FORMAT statement to left-align, center, and right-align
	29.0	11.0	505	4	provide the ability to set different LINESIZE and PAGESIZE values for the SAS log and SAS listing files
	30.0	12.0	502	9	provide a method to create temporary TITLE statements and an option to use temporary TITLEs for the duration of a single PROC or DATA step without replacing global TITLEs
	36.0	16.0	454	5	add an option to clear all titles after the first page of output
	37.0	17.0	443	12	provide a "duration" variable type that contains beginning and ending dates, times, or datetimes
	79.0	29.0	312	7	add #BYVAL functionality to the FOOTNOTE statement
	83.0	31.0	298	3	provide a functionality similar to AUTOEXEC that allows a set of code to be executed at termination of a SAS session

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
General (continued)	88.0	33.0	280	11	provide a special missing value that sorts "high" to complement existing special missing values that sort "low"
	128.0	46.0	185	10	provide the ability to specify referential integrity constraints and primary and foreign keys on the same variable in two tables when there is a one-to-one relationship between the tables
	134.0	47.0	174	8	provide a way to recover logical deletions
DATA Step	1.0	1.0	1205	16	provide use of ranges within the IN operator so that each value does not have to be specified individually; for example: if x in(10-25) would include values of 10 through 25
	24.0	9.0	536	13	provide the number of records read or written to external file(s) as user-accessible information
	33.0	13.0	486	15	provide a data set option to keep or move labels from the input data set to the output data set
	42.0	20.0	424	17	allow more than one character to be assigned to the MISSING= option
	69.0	26.0	339	14	provide the ability to use the special list variables _NUMERIC_ and _CHARACTER_ in the PUT statement
	121.0	44.0	201	18	generate a warning or error message when a numeric value reaches the upper limit of the exponentiation range of the operating system
	143.5	48.5	153	19	allow integrity constraints for creation of SAS data sets such as an OUT= on a PROC or when reading raw data

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
Functions	15.0	7.0	643	20	add an option to the ROUND function to round down, round up, or truncate values of the first argument
	92.5	34.5	271	21	create a new function similar to INTNX that would return an exact increment
	169.0	53.0	110	22	add the last modified date to the output from the FINFO function
	209.0	58.0	71	23	provide bond yield and price functions with several day/count basis choices, including 30/360, actual/actual, actual/360, and actual/365
Informats and Formats	9.0	4.0	703	29	provide a WORDDATEw. informat to read date values in the form of July 19, 2000
	26.0	10.0	533	31	provide an informat and a format to read and write date values in the form of yymmmdd or yyyym-mmdd, with the option of including separators
	43.0	21.0	417	26	provide a ZIPCODE format to display the 10-character zip code, including the dash
	48.5	22.0	394	32	enhance the DATEw. format to allow the specification of a separator character
	50.0	23.0	393	34	provide a format for datetime values where the date portion is written in the form of mmddyy or mmddyyyy
	51.0	24.0	387	25	provide a format to write time in military form with leading zeros for times before 10:00 a.m.
	59.0	25.0	369	30	provide a format to display dates in the form of year/quarter, such as 2000/Q1

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
Informats and *Formats* (continued)	146.5	50.0	147	28	add a format and an informat for latitude an longitude data in the form of dddmmsN where ddd stands for degrees (positive or negative), mm is minutes, and sN is seconds in BESTw. format
	163.5	52.0	121	24	provide an informat and format to read or write zoned decimal values that are produced on ASCII systems by other software vendors such as Micro Focus COBOL
	177.0	55.0	98	33	provide a format for euro values to be represented in European decimal notation such as the COMMAXw.d format, except for the EUROTO format
	214.0	60.0	62	27	provide formats such as WORDFw. and WORDSw. to convert numeric values to words for languages other than English
WHERE Statement	122.0	45.0	200	35	add an option to control whether a NOTE appears in the SAS log when there is a WHERE statement
Display Manager System (*Including Text Editor*)	8.0	3.0	730	52	allow editing of a program while SAS does its processing
	16.0	8.0	638	45	add special color coding for DO and END statements in the Enhanced Editor window
	34.0	14.0	465	46	add special color coding for macro variable references in the Enhanced Editor window
	35.0	15.0	460	40	provide a menu item to clear out all memory and the SAS log

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
Display Manager System (continued)	40.0	18.0	429	53	provide the ability to run a job against a data set being viewed in an Explorer window
	41.0	19.0	428	59	allow the ability in the Enhanced Editor window to highlight lines of code, click a "disable" button, and comment out the code
	71.0	27.0	334	37	provide a utility for searching catalog entries using keywords
	78.0	28.0	316	47	add a column ruler to the Enhanced Editor window, similar to the COLS line command in the Program Editor
	80.0	30.0	305	36	add a warning dialog box 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
	85.5	32.0	293	54	allow the ability to search for any option in the SAS System Options window instead of having to drill down through multiple folders to find what you are looking for
	92.5	34.5	271	60	provide the ability to COPY and PASTE the column names from VAR to a clipboard under View Columns
	94.5	36.0	269	49	provide the ability to print text with color attributes in color when the text is sent to a color printing device
	96.0	37.0	261	39	extend the 256 single-line character limit in the Program Editor to allow raw text file editing using the Text Editor commands

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
Display Manager System (continued)	102.0	38.0	243	51	add the ability to find a variable name from among many while in the VAR window of a data set
	103.0	39.0	239	44	add a SUBMITBLOCK command to submit all code from the current cursor position up to the start of the next PROC or DATA step
	108.0	40.0	224	41	provide an "ALTSAVE" option to automatically save the contents of the Editor, Log, and Output windows to a specified location
	113.0	41.0	213	38	allow a file that is saved by using the FILE command on the command line of the Program Editor window to appear in the list of recently used files
	117.0	42.0	205	42	provide an option to disable the Save command, allowing only Save As to be used, to eliminate the possibility of inadvertently overwriting an existing file
	118.5	43.0	204	43	provide the ability to hide lines of code so that commands and line commands will not apply to them
	143.5	48.5	153	63	change ERROR: Limit set by ERRORS= option reached to NOTE: Limit set by ERRORS= option reached
	154.0	51.0	141	61	provide the ability to resize the File Open window
	175.0	54.0	102	55	provide the ability to the Keys File so that users can mimic their favorite Text Editor such as Notepad or a UNIX Editor (Linux System VI)

PART I SAS Language	Overall Rank	Part Rank	Number of Votes	Item Number	
Display Manager *System* (continued)	179.0	56.0	97	48	provide a method to override the default action of bringing the Output window to the top of all SAS windows, to allow output such as HTML to bring the HTML window to the top
	185.0	57.0	93	62	add a way to print the Enhanced Editor Key's list
	210.0	59.0	70	56	increase the number of redefin-able keys
	224.5	61.0	53	50	increase the number of characters saved in the DMS command PREVCMD from 128 characters to 32,767 characters
	249.0	62.0	32	58	provide the ability in the Enhanced Editor window to use a different programming scheme
	250.0	63.0	29	57	allow the UNIX commands in the Keys window to be longer than on the PC

PART II
Base SAS Procedures

	Overall Rank	Part Rank	Number of Votes	Item Number	
All Procedures	3.0	2.0	984	66	provide the ability to label each page of output from an individual procedure as "Page x of n"
	14.0	5.0	646	65	provide an option to allow the page number to be reset when a BY value changes
	19.0	6.0	582	64	provide an option to produce a header line when the input data set contains no observations
	97.0	26.0	258	67	provide an option such as USEFMT for all procedures to permanently associate variable formats to the output data set when using a FORMAT statement in a procedure
PROC COMPARE	55.0	16.0	376	68	provide an option to include a variable in the output data set that lists variables that are found to be unequal

PART II Base SAS Procedures	Overall Rank	Part Rank	Number of Votes	Item Number	
PROC CORR	54.0	15.0	382	69	provide an option to output correlations and p-values in a list structure rather than in a matrix structure
PROC FORMAT	60.0	18.0	367	71	provide JUSTIFY and UPCASE functionality for the VALUE statement to avoid having to alter the stored values using the DATA step
	67.0	20.0	341	72	provide a front end to simplify the creation and editing of user-written formats
	111.0	30.0	215	70	enhance the FMTLIB option so that information on all format libraries listed in the FMT-SEARCH= option will be printed
	139.0	35.0	161	73	provide the ability to determine if a format is located in the libraries that are referenced by the FMTSEARCH= option, the LIBRARY libref, or both
PROC FREQ	6.0	4.0	783	74	add an option to the TABLES statement to output the number of unique values for a variable
	118.5	31.0	204	75	implement the PRELOADFMT option to preload all formats for the variables in the TABLES statement, as in PROC MEANS
PROC MEANS/ PROC SUMMARY	20.0	7.0	581	77	provide the ability to include a warning message in the log that indicates how many observations were dropped due to missing values when the MISSING option is not used
	21.0	8.0	575	76	provide an option to specify a width for the column that contains the variable labels so that the labels can wrap within that width
PROC PMENU	183.5	45.0	94	78	add the ability to use icons

PART II Base SAS Procedures	Overall Rank	Part Rank	Number of Votes	Item Number	
PROC PRINT	32.0	9.0	491	80	provide an option to insert a blank line after every *n*th line
	39.0	10.0	431	82	provide the ability to display the label of the BY variable on the summary line
	52.0	14.0	386	79	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
	104.5	28.0	233	81	provide an option to exclude variables from the BY line if they are listed both in the BY statement and in the ID statement
	109.0	29.0	222	83	allow for a default split character for labels
PROC REPORT	56.0	17.0	375	87	provide the ability to print the word CONTINUED when a report spans pages, and to print END on the last page
	77.0	23.0	319	84	provide the ability to suppress summary lines when there is only one observation for a group
	101.0	27.0	245	98	provide an option to keep groupings from splitting across pages
	120.0	32.0	202	86	provide the ability to group by computed columns
	148.0	37.0	146	89	provide the ability to use the break options SKIP, OL, UL, DUL, and DOL when requesting ODS output
	150.5	38.5	144	93	allow a spanned header over more than one ID variable
	157.5	42.0	135	85	add the ability to dynamically align text from LINE statements with report columns

PART II Base SAS Procedures	Overall Rank	Part Rank	Number of Votes	Item Number	
PROC REPORT (continued)	165.0	43.0	119	90	provide the ability to execute conditional LINE statements in a compute block instead of the LINE statement always being printed
	181.5	44.0	95	88	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
	190.0	46.0	90	95	change the ODS table grid so that the ORDER/GROUP variables are in one box instead of blank rows with horizontal lines per row, something similar to PROC TABULATE output in ODS
	197.0	47.0	79	96	provide the ability to autopopulate computed variables under ACROSS, based on the number of ACROSS values so that the exact number of columns does not need to be determined prior to PROC REPORT
	207.5	48.0	72	91	provide a method to have an ORDER/GROUP variable value populate every row when a DISPLAY is to the left in the COLUMN statement, as in previous releases
	218.5	49.0	57	97	allow placement control of values in the LINE statement when using PROC REPORT and ODS output destinations
	232.0	50.0	46	92	provide the ability to print output from the REPORT window in a left-to-right and top-to-bottom method in the same way that output from the OUTPUT window is printed
	239.5	51.0	38	94	allow the assignment of values to specific columns when using LINE statements

PART II Base SAS Procedures	Overall Rank	Part Rank	Number of Votes	Item Number	
PROC SORT	2.0	1.0	1198	99	add an option to output obser-vations that are deleted by the NODUP or NODUPKEY option to an alternate data set
	4.0	3.0	842	100	provide the ability to sort by formatted values
	152.0	40.0	143	101	create an option that would cause NOTSORTED "BY" variables not to be sorted when only the second variable needs to be sorted
PROC SQL	44.0	11.0	416	102	allow the automatic conversion of variables from character to numeric when performing arithmetic expressions in a query
	74.0	21.5	327	108	allow PROC SQL to create mul-tiple output tables from a single query
	74.0	21.5	327	110	add a method for specifying a range of variables in the select clause
	81.0	24.0	304	106	provide a MEDIAN summary function
	126.0	33.0	191	107	trim the trailing blanks in the macro variable that were created by the INTO :macvar syntax
	131.5	34.0	181	103	allow calculated columns to inherit the default format of the column that is used in the cal-culation (for one-column calcu-lations)
	141.0	36.0	159	109	add an option to cause SAS to enter 'syntax check mode' when an error occurs in SQL Pass-Thru
	150.5	38.5	144	105	add SORTEDBY information to DICTIONARY.TABLES
	153.0	41.0	142	104	add a variable to the DICTIO-NARY.TABLES dictionary table that gives the size of the data set in bytes or megabtyes

PART II Base SAS Procedures	Overall Rank	Part Rank	Number of Votes	Item Number	
PROC TABULATE	48.5	13.0	394	113	provide the ability to automati-cally scale the column width to the length of the data values
	65.0	19.0	345	112	provide the ability for column widths to be independent of the format widths with a WIDTH= option
	91.0	25.0	276	111	add a SPLIT= option
PROC TRANSPOSE	47.0	12.0	401	114	add an option such as EACHROW to transpose each row of data into one COL1 variable, without requiring a UNIQUE BY variable

PART III SAS Macro Facility	Overall Rank	Part Rank	Number of Votes	Item Number	
	11.0	1.0	683	117	allow the IN operator to be used in a macro
	12.0	2.0	681	120	allow %DO loops to iterate using a list of constants such as %DO i=a,b,c;
	28.0	3.0	512	115	add line numbers to MPRINT output so that line numbers are continuous in the SAS log
	38.0	4.0	433	122	provide the ability to globalize all macro variables without having to specify each one individually
	76.0	5.0	321	118	issue a note confirming the suc-cessful compilation of a macro
	100.0	6.0	249	119	enhance the MPRINT output to show the nesting of macros, such as MPRINT(C.B.A) sourceline;
	114.0	7.0	209	121	provide a %abort statement that will abort SAS within a macro
	183.5	8.0	94	116	add a SOURCE option to use with the STORE option to cause the source code to be saved to the same catalog as the com-piled macro

PART IV Output Delivery System (ODS)	Overall Rank	Part Rank	Number of Votes	Item Number	
	69.0	1.0	339	123	add a RENAME= or REORDER option to the ODS OUTPUT statement so that the ODS output data set can be reordered
	84.0	2.0	297	128	add a Base.Freq.Crosstabs table so that an output data set can be created with all variables invloved in the crosstab from PROC FREQ
	85.5	3.0	293	125	add the ability to generate a table of contents with the RTF destination
	87.0	4.0	292	124	add the ability to use style sheets with the RTF destination
	89.0	5.0	278	129	provide the ability to remove the "=" within the BY values in the table of contents
	142.0	6.0	157	127	enhance ODS with Remote Library Services so that PROC DOWNLOAD is not needed to create a true HTML file on the local session
	157.5	7.0	135	126	provide the ability to control the Results Viewer programmatically

**PART V
SAS/GRAPH
Software**

New Procedures	72.0	3.0	332	130	provide a procedure to generate a Venn diagram
Global Statements (AXIS, LEGEND, SYMBOL, etc.)	62.0	2.0	365	131	provide the ability to specify only the start point, the end point, or the BY increment when specifying the order in an AXIS statement
	94.5	6.0	269	132	provide the ability to order axis values that are based on the order in which the data is read

PART V SAS/GRAPH Software	Overall Rank	Part Rank	Number of Votes	Item Number	
Global Statements (continued)	99.0	7.0	253	133	provide an option to allow the dynamic specification of uneven intervals between tick marks on a sequential axis range
	110.0	9.0	220	134	provide the ability to control the height of the symbols for each entry in the LEGEND and have the default symbol height reflect the symbol size from the plotted data points defined in the SYMBOL statement
PROC GCHART	58.0	1.0	370	135	implement a UNIFORM option to uniformly scale axes across BY groups
	90.0	5.0	277	136	provide an option to allow the user to specify the order of sub-group bars
	104.5	8.0	233	137	provide an option to position axes on both sides of the chart
PROC GPLOT	82.0	4.0	300	138	provide the ability to create horizontal box plots
PROC G3D	130.0	10.0	183	139	provide the ability in the AXIS statement to specify an axis range for the X/Y/Z axis of a G3D surface or scatter plot
PART VI SAS/FSP Software					
PROC FSVIEW	25.0	1.0	534	140	provide the ability to cut and paste from the FSVIEW window
PART VII SAS Component Language	64.0	1.0	355	141	provide the ability to maintain the sort order unless requested to be changed

PART VIII AppDev Studio	Overall Rank	Part Rank	Number of Votes	Item Number	
	197.0	1.0	79	144	provide the ability to specify formats for a column via the DataSetInterface
	203.5	2.0	75	145	provide a better means for controlling component sizing within webEIS when displayed within a browser
	224.5	3.0	53	143	provide the ability to customize the text of the Overlay label in the webAF Chart component
	229.0	4.0	49	142	provide the ability to create a chart in the same section of a webEIS document that is independent of the Multi-dimensionalTableView Row or Column Axis specifications
	245.5	5.0	36	146	create a webAF component that will allow the user to locate the defined ACL groups and respective users
PART IX SAS/MDDB Server	133.0	1.0	178	147	enhance the Open OLAP Server to allow a given category variable to exist in more than one display dimension
PART X SAS/STAT Software *All Procedures*	5.0	1.0	834	148	calculate confidence intervals for all appropriate parameters
	17.0	2.0	631	150	provide power analysis and sample-size determination in applicable hypothesis tests
	27.0	4.0	529	149	provide more extensive non-parametric statistics and tests, including multiple comparisons
	63.0	6.0	356	151	provide one-tailed tests where appropriate

PART X SAS/STAT Software	Overall Rank	Part Rank	Number of Votes	Item Number	
New Procedures (continued)	45.0	5.0	409	152	provide a procedure for multi-variate outlier detection that is based on robust methods
PROC BOXPLOT	107.0	7.0	225	153	add options to clip extreme outliers so that box plots are more readable when outliers are present
PROC GLM/ PROC ANOVA	145.0	8.0	149	154	provide multiple comparisons using the SLICE= option
PROC LIFEREG	169.0	11.0	110	155	add the ability to fit frailty models (random effects models)
PROC LIFETEST	171.0	12.0	108	158	add the ability to perform pair-wise and multiple comparisons of homogeneity among strata
	193.0	14.0	84	157	include additional tests of homogeneity of the survival curves across strata
	213.0	15.0	64	156	add the ability to produce cumulative incidence plots
PROC PHREG	159.0	9.0	131	160	add the ability to compute survival estimates for models that include time-dependent covariates
	166.0	10.0	114	162	add an option to the TEST statement to perform a likelihood ratio test
	191.5	13.0	89	159	add a WEIGHT statement for incorporating case weights
	218.5	16.0	57	161	add the ability to model "transient effects," time-dependent covariates that cease to exist as time progresses
	221.0	17.0	55	163	add the ability to produce cumulative incidence plot
PROC REG	23.0	3.0	559	164	provide a test for lack of fit

PART XI SAS/ETS Software	Overall Rank	Part Rank	Number of Votes	Item Number	
New Procedures	106.0	1.0	229	166	provide a general modeling procedure for fitting stochastic processes with Markov chain models
	205.5	6.5	73	165	provide a Maximum Entropy procedure
Time Series Forecasting System	149.0	2.0	145	167	provide the ability to fit general ARIMA models, including general, factored, and subset models
	200.0	4.0	77	171	create cross-correlation plots to improve identification of transfer function models
	203.5	5.0	75	169	provide an option for restricting the range of possible forecast values for variables with a known maximum or minimum value using series transformation heuristics
	207.5	8.0	72	168	provide a means to interrupt the automatic model-fitting process
	226.5	11.5	52	170	attempt estimation by using methods such as CLS whenever maximum likelihood estimation fails for ARIMA models
PROC ARIMA	177.0	3.0	98	174	support a TREND= option in the ESTIMATE statement to automatically build and include a time-trend variable in the model
	205.5	6.5	73	172	allow restrictions to be imposed on the model parameters
	245.5	19.0	36	173	support an option to compute and output additional statistics of fit, such as MAPE R-square, and Theil statistics
PROC AUTOREG	235.5	14.0	41	175	provide an INEST= option to name an input data set that provides starting values for any or all parameters in a model

PART XI SAS/ETS Software	Overall Rank	Part Rank	Number of Votes	Item Number	
PROC AUTOREG (continued)	242.5	17.5	37	177	provide a BOUNDS statement to impose inequality constraints on parameter estimates
	247.0	20.0	35	176	support the specification of the GARCH or autoregressive parameters in the RESTRICT and TEST statements
PROC EXPAND	248.0	21.0	34	178	provide an option to allow processing when a BY group has only a single observation
PROC MODEL	222.5	10.0	54	179	support BY-group processing with the PARMSDATA= and ESTDATA= data sets so that different starting values can be specified for each BY group
PROC SPECTRA	237.0	15.0	40	180	provide the ability to compute p-values or critical values for the test statistics that are computed by the WHITETEST option
PROC SYSLIN	226.5	11.5	52	181	compute the value of the log-likelihood function and associated statistics of fit, including AIC and SBC
PROC TSCSREG	216.0	9.0	58	183	provide tests for autocorrelation
	234.0	13.0	42	186	provide estimation of dynamic panel data models
	239.5	16.0	38	182	provide the ability to identify fixed-effects model parameters by the actual levels of the time series and cross-section variables
	242.5	17.5	37	185	provide an autocorrelation model for unbalanced panel data
	252.0	22.0	26	184	provide a RESTRICT statement

PART XII SAS/OR Software	Overall Rank	Part Rank	Number of Votes	Item Number	
New Procedures	131.5	1.0	181	187	provide an Internet-based client/server application for scheduling and project management

PART XIII

SAS/QC Software

	Overall Rank	Part Rank	Number of Votes	Item Number	
New Procedures	160.0	1.0	127	188	provide a procedure for analysis of means
PROC CAPABILITY	218.5	2.5	57	189	provide overlaid and comparative versions of all graphical displays
	218.5	2.5	57	190	allow multiple distributions from the same family to be plotted on one histogram

PART XIV
SAS/IML Software

	Overall Rank	Part Rank	Number of Votes	Item Number	
	135.0	1.0	167	195	support multidimensional matrices (beyond two dimensions)
	155.0	2.0	138	194	implement BY-group processing
	156.0	3.0	136	191	support sparse matrices
	161.5	4.0	123	197	provide more flexibility in formatting matrices in PRINT and PUT statements
	173.5	5.0	104	193	add a function to create an upper or lower triangular matrix directly from another matrix or vector
	212.0	6.0	67	192	implement a method to name and access matrices x1, x2, x3, and so forth, without having to use CALL EXECUTE
	215.0	7.0	61	196	allow modules or functions to call themselves recursively

PART XIV SAS/IML Software (continued)	Overall Rank	Part Rank	Number of Votes	Item Number	
	253.0	8.0	22	198	provide a function to simulate multivariate GARCH time series data
PART XV SAS/INSIGHT Software	125.0	1.0	193	200	provide the ability to add legends to charts and plots
	127.0	2.0	186	199	provide the ability to record and replay all user actions
	146.5	3.0	147	201	provide statistics and plots for multivariate outlier detection
	222.5	4.0	54	202	provide the ability to freeze the work
PART XVI SAS/LAB Software	129.0	1.0	184	203	add nonparametric statistics
PART XVII Data File Management					
General	18.0	1.0	621	204	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
	74.0	3.0	327	205	provide the ability to append in PROC EXPORT
	235.5	4.0	41	206	support overlapping keys functionality for primary and foreign key referential integrity constraints
Import/Export Wizard	57.0	2.0	374	207	add an option for specifying that all fields are numeric or character

	Overall Rank	Part Rank	Number of Votes	Item Number	
PART XVIII Remote Library Services	124.0	1.0	194	208	provide the ability to handle short numerics across cross-architecture host types
PART XIX SAS/SHARE Software	197.0	2.0	79	209	provide a Perl DBI interface to SQL queries against SAS data via a multiuser server
PROC SERVER	123.0	1.0	197	210	add the ability to disconnect a user from a SAS server after a specified period of inactivity
PART XX SAS/ACCESS Software *All Interfaces*	112.0	4.0	214	212	provide the ability to display all tables for all the schemas in the Explorer window when using a SAS/ACCESS LIBNAME engine, as the SQL Query Window does
	139.0	5.5	161	211	support "commit and roll back" transaction-level processing verbs within DATA step MODIFY processing when used against relational databases such as ORACLE or SYBASE
	180.0	7.0	96	213	create indexes and constraints on the DBMS table that is created from a SAS data set that contains indexes and constraints
	200.0	8.0	77	215	create an option that would return missing values in the DBMS in the same order as missing values in SAS
	238.0	9.0	39	214	provide an option to show only tables in the Explorer window (currently both tables and queries are shown)
Interface to ADABAS	254.0	11.0	11	216	enhance the ADABAS engine to be able to read a record directly by the ISN

PART XX SAS/ACCESS Software	Overall Rank	Part Rank	Number of Votes	Item Number	
Interface to PC File Formats	22.0	1.0	573	217	provide the ability to specify a worksheet name when creating Excel files from SAS data sets
	46.0	2.0	403	218	display a warning message when there is data in an Excel field, but SAS reads it as missing data
	61.0	3.0	366	219	add a SHEET= statement to the EXPORT procedure
	139.0	5.5	161	221	allow DDE and XLS files to be read with the SAS/ACCESS Interface to PC File Formats on UNIX
	242.5	10.0	37	220	allow labels (instead of names) of the variables in the file created by a DIF procedure on UNIX
PART XXI SPD Server	172.0	1.0	105	223	add a method of interrupting a long-running query
	229.0	2.0	49	222	implement SAS Version 8 integrity constraints for the SPD Server
PART XXII SAS/Warehouse Administrator	194.5	1.0	83	225	provide the ability to use the same table as both input and output for a single process
	229.0	2.0	49	224	allow the ability to change the order of columns displayed on the columns tab of mapping properties
	251.0	3.0	27	226	provide the ability to use the DB2 add-in tools to register and load DB2 tables on UNIX platforms

PART XXIII SAS/IntrNet Software	Overall Rank	Part Rank	Number of Votes	Item Number	
Application Dispatcher	173.5	1.0	104	229	provide a secure and effective way to pass authentication credentials so that they are available for each request, especially connecting or reconnecting to a DBMS or SAS/SHARE server
	188.5	2.0	91	227	provide an option for the Application Load Manager to display a list of requests that are awaiting execution
	191.5	3.0	89	231	provide the ability to save LIBNAME definitions with user-specific parameters for use across requests within a session
	211.0	4.0	69	230	provide the ability when using the AUTH=HOST option to permit client users to execute SAS programs only through the Application Server, and deny read access to external applications
	233.0	5.0	43	228	provide the ability for administrators to specify site-specific BROKER error messages
PART XXIV SAS System for Mainframes					
SAS System under OS/390	136.0	1.0	164	232	provide a check to see if a file is already allocated to a libref before allowing a FILENAME statement, FILE command, or anything else to reference it as an external flat file
	188.5	3.0	91	233	add a REPLYTO= option to the EMAIL access method to allow a reply to be sent to someone other than the person running the job

PART XXIV **SAS System for** **Mainframes**	Overall Rank	Part Rank	Number of Votes	Item Number	
SAS System under OS/390 (continued)	202.0	5.0	76	234	add the ability within the URL access method to access and read Secure Sockets Layer (SSL) Web pages into SAS data sets
PROC PDSCOPY	194.5	4.0	83	235	allow the INDD parameter to process a fileref for a list of concatenated files in a FILE-NAME statement
PROC SOURCE	161.5	2.0	123	236	provide the ability to read and write records that are longer than 80 bytes
PROC TAPELABEL	231.0	6.0	47	237	handle an A13 abend in a way that is similar to handling an 813-04 abend, to enable SAS to recover
PART XXV **IT Service Vision** **Software**	163.5	1.0	121	238	provide the ability to create values at the summary level similar to the MINID and MAXID statistics in PROC MEANS
PART XXVI **SAS System under OpenVMS**					
General	186.5	1.0	92	239	provide transparent access of catalogs and catalog entries between OpenVMS for VAX and Alpha host systems
PART XXVII **SAS System for** **UNIX** *General*	115.0	1.0	208	241	add an option to allow a local SAS help system (that does not require a Web browser) to be used
	137.0	2.0	163	240	add a system option to limit the amount of workspace that is used by a SAS process
	177.0	3.0	98	243	add a -WORKPERM option to specify the permissions to assign to the SASWORK library
	181.5	4.0	95	245	port SAS to Linux on the Itanium Platform Family

	Overall Rank	Part Rank	Number of Votes	Item Number	
PART XXVII SAS System for UNIX (continued)	186.5	5.0	92	242	add the ability to save the size attribute of the Open window
	200.0	6.0	77	246	port SAS to Linux on the mainframe
	242.5	7.0	37	244	provide a silent install
PART XXVIII SAS System for PCs *General*	31.0	1.0	497	247	implement an option to specify the directory to which all saved files should reside, regardless of where a file was last opened
	53.0	2.0	385	252	add the ability to copy the list of column names of a SAS data set from the View Columns drop-down list in the SAS Explorer window
	66.0	3.0	342	254	to allow the colors in the SAS log to print in color for printed output, and to retain color for the SAS log that is saved to a file
	69.0	4.0	339	248	add cut-and-paste capabilities on the command lines and in the FSEDIT window
	98.0	5.0	256	249	allow the SAS System Viewer to display values using user-defined formats
	116.0	6.0	206	251	add a push button control to the Find window to switch to the Replace window
	167.0	7.0	113	253	add a DM command to close the SAS Explorer window and a DM command to open the Explorer window in the left window pane
	169.0	8.0	110	250	provide an option to specify the line feed as the end of record marker for output files being ported to UNIX

Distribution of
Respondent Job Functions:

44%	Statistician
43%	Applications Programmer
23%	Systems Analyst
19%	Manager/Staff End User Department
15%	SAS Software Consultant
11%	SAS Software Representative
7%	Systems Manager
6%	Manager/Staff Information Center
3%	SAS Software Training Coordinator