

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
1	Connect To Database				Provides option to connect to SQL Database to get access to relevant data from the tables. It also has functions to import data from Excel and SQL.	P
2	Connect To Database			GetData	Selects an SQL database.	F
3	Connect To Database			Tables	Selects a table from the selected database to perform sCAAT functions.	F
4	Connect To Database			Current Table	Displays the current table details with an option to export table to Excel.	F
5	Connect To Database			Import to Excel	Imports the selected table in Excel.	F
6	Connect To Database			Import to SQL	Imports the selected table in SQL.	F
7	Connect To Database			Close Conn.	Close all SCAAT connections with the current database.	F
8	Curate				Curate refers to transforming data in a standard structure to be usable for data analysis as required. Curation of data ensures that data is formatted and purified for use in data analytics.	P
9	Curate	Remove			Remove specific characters, spaces, etc. from the Table.	M
10	Curate	Remove		Non-Alphabetic Characters	Removes non-alphabetic characters in the selected column.	F
11	Curate	Remove		Non-Numeric Characters	Removes non-numeric characters in the selected column.	F
12	Curate	Remove		Non-AlphaNumeric Characters	Removes non-alphabetic and non-numeric characters in the selected column.	F
13	Curate	Remove		Multiple Spaces	Removes multiple spaces & replaces them with a single space in selected column.	F
14	Curate	Remove		All Spaces	Removes all spaces in the selected column.	F
15	Curate	Remove		Indent/Leading Spaces	Removes indent/all spaces before the first character in the selected column.	F
16	Curate	Remove		Trailing Spaces	Removes all spaces after the last character in the selected column.	F
17	Curate	Remove		Leading & Trailing Spaces	Removes all spaces before and after the first and last characters respectively in the selected column.	F
18	Curate	Remove		Specific/Special Character(s)	Removes selected characters, numbers & special characters in selected column.	F
19	Curate	Remove		Leading 'X' Characters	Removes 'X' (specified) number of characters from left in the current column.	F

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20	Curate	Remove		Ending 'X' Characters	Removes 'X' (specified) number of characters from right in the current column.	F
21	Curate	Remove		All From 'X' Characters	Removes all characters in the current column after the specified position.	F
22	Curate	Remove		Empty Row(s)	Deletes all empty rows in the Table.	F
23	Curate	Format			Change the character case of data or sheet name.	M
24	Curate	Format		Lower Case	Converts text to lower case in the selected column.	F
25	Curate	Format		Upper Case	Converts text to upper case in the selected column.	F
26	Curate	Format		Title Case	Converts text to title case in the selected column where, the first letter of every word is capitalised.	F
27	Curate	Format		Sentence Case	Converts text to sentence case in the selected column where, the first letter of the sentence in the cell is capitalised.	F
28	Curate	Convert			Convert data as per specific formats.	M
29	Curate	Convert		To Numeric	Converts the selected cells to number format.	F
30	Curate	Convert		To Character	Converts the selected cells to character format.	F
31	Curate	Convert		To Date	Converts the selected cells to date format.	F
32	Curate	Convert		To Currency	Converts the selected cells to currency format.	F
33	Curate	Convert		Fill With Leading Zero(s)	Adds a specified number of zeros before the first digit in each cell to ensure uniform length for all cells.	F
34	Curate	Convert		PDF Format	Publishes a copy of the selected Tables in PDF format in the same location as the original.	F
35	Curate	Convert		Import Text Files	Imports Text files with standard fixed headers/bank statement in print format into MS Excel	F
36	Profile				Data profiling refers to the act of analysing the data contents to get an overall perspective of data. This helps in validating data at a macro level and assessing whether the data is correct and complete.	P
37	Profile	Data			Analyse data to understand overall perspective at macro level.	M
38	Profile	Data	Stratify		Group numeric, date and character data into specific strata.	SM
39	Profile	Data	Stratify	Numeric	Groups numeric data into different strata based on intervals.	F
40	Profile	Data	Stratify	Date	Groups dates into different strata based on intervals.	F
41	Profile	Data	Stratify	Character	Groups characters into different strata based on intervals.	F

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No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
42	Profile	Data	Stratify	KeyField	Groups numeric data into different strata based on intervals. Data is displayed based on selected values.	F
43	Profile	Data	Stratify	Aging	Computes difference of selected two date columns & stratifies on specified intervals for computed date difference.	F

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No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
44	Profile	Data	Summarize		Summarizes numeric data.	SM
45	Profile	Data	Summarize	Quick	Groups each distinct value in a numeric column and displays corresponding count and sum with options to perform further analysis by computing on selected fields/compare with other existing/result fields to identify exceptions.	F
46	Profile	Data	Summarize	KeyField	Groups each distinct value in a numeric column and displays corresponding count and sum. Data is displayed based on selected keyfield.	F
47	Profile	Data	Totals		Computes count, sum and cumulative total.	SM
48	Profile	Data	Totals	Count	Displays count/sum of values in the selected numeric range/columns with options to perform further analysis by computing on selected fields/compare with other existing/result fields.	F
49	Profile	Data	Totals	Sum	Displays average /Min. /Max. for selected numeric range/columns.	F
50	Profile	Data	Totals	Cum./Sub Total	Displays cumulative total or sub-total for the selected numeric column.	F
51	Profile	Data	Classification		Groups items as per statistical classification and displays items in groups as quadrants, percentiles, clusters and patterns.	SM
52	Profile	Data	Classification	Quadrants	Displays items in four quadrants as per the specified percentage for each category for selected two numeric columns.	F
53	Profile	Data	Classification	Percentiles	Displays items in specific percentages as per default/specified percentage for a selected column with option to group by a specific field.	F
54	Profile	Data	Classification	Clusters	Displays summary of data for selected column with option to group by specified field so that each cluster has data of similar characteristics as specified.	F
55	Profile	Data	Classification	Patterns	Displays in selected ascending/descending order (based on count/sum/product) the summary of groups of data for selected column with option to group by specific field.	F

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56	Profile	Data		Classify	Groups each distinct value in a character column and displays corresponding count/ sum with option to display average, min. & max. value for each group with options to perform further analysis by computing on selected fields/compare with other existing/result fields.	F

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No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
57	Profile	Data		Group By	Groups each distinct value for selected column (s) (character/numeric/date) and displays corresponding count/ sum with option to display average, min. & max. value for each group with options to perform further analysis by computing on selected fields/compare with other existing/result fields.	F
58	Profile	Data		Add Remarks4Condition	Add new column(s) with remarks added (single/multiple) based on manual entry or auto selection, for single or multiple conditions for specified column(s).	F
59	Profile	Data		Aging	Groups and totals all records that are within and beyond the aging date based on the specified aging intervals.	F
60	Profile	Data		Top / Last X	Displays the topmost or bottommost 'x' number of records in a column.	F
61	Profile	Details			Displays column statistics/properties. Copy sum/average to clipboard.	M
62	Profile	Details		Column Statistics	Displays column-wise statistics of numeric, date and character data.	F
63	Profile	Details		Column Properties	Shows column properties such as number of valid cells, blank cells, total cells and data type of all columns.	F
64	Profile	Search			Find/ find and replace data based on specified inputs.	M
65	Profile	Search		Find & Navigate	Finds the specified value in the selected columns/Table with option to navigate to specified column.	F
66	Profile	Search		By Column(s)	Finds the specified value(s) in the current Table based on multiple values in column(s) or in same row.	F
67	Profile	Search		By Rows	Finds the nth occurrence of a specified value in the selected column.	F
68	Profile	Search		Multiple Values	Finds and replaces multiple values in the current Table.	F
69	Analyse				Analyse refers to examining the data in detail to discover essential features by breaking data into specific components by grouping, identifying and reviewing specific features.	P
70	Analyse	Identify			Identifies gaps, duplicates, outliers and format.	M
71	Analyse	Identify	Duplicates		Identifies duplicate and unique values.	SM
72	Analyse	Identify	Duplicates	Identify Duplicates	Displays all duplicate records in the selected columns.	F
73	Analyse	Identify	Duplicates	Identify Uniques	Displays all records that are unique in the selected columns.	F

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74	Analyse	Identify	Duplicates	Remove Duplicates	Displays all unique records and one record from each of the duplicate records.	F

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No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
75	Analyse	Identify	Duplicates	Same Same Different	Displays records where the values in one/more selected columns are same but different in another column.	F
76	Analyse	Identify	Duplicates	In Same Row	Displays duplicate values (character/ date/ numeric) in the same row.	F
77	Analyse	Identify	Gaps		Identifies gaps in numeric, date and character values based on intervals.	SM
78	Analyse	Identify	Gaps	Numeric	Displays all successive numeric records whose difference is within the given interval.	F
79	Analyse	Identify	Gaps	Date	Displays all successive date records whose difference is within the given interval.	F
80	Analyse	Identify	Gaps	Character	Displays all successive alphanumeric records whose difference is within the given character mask.	F
81	Analyse	Identify	Outliers		Display records that do not match a specified character mask or value.	SM
82	Analyse	Identify	Outliers	By Mask	Displays records that do not match a defined mask where 'C' represents characters and 'N' represents numbers.	F
83	Analyse	Identify	Outliers	By Bounds	Displays records whose mask matches the selected condition. Also finds records that match a value at specific positions.	F
84	Analyse	Identify	Outliers	By Numbers	Displays records that exceeds 'x' number of times, the average/standard deviation of the selected numeric column.	F
85	Analyse	Identify		Format	Identifies the format of each row in the selected column as 'C' for characters and 'N' for numbers with options to show field length and identify exceptions.	F
86	Analyse	Identify		Mandatory Data	Displays rows with cells which have blanks or spaces or both (missing data) for specified columns,	F
87	Analyse	Sampling			Extract specific samples from the population based on specified criteria.	M
88	Analyse	Sampling	By Selection		Displays specific no. of selected records based on specific criteria such as Interval, Numbers or Top 'X' (Group By).	SM
89	Analyse	Sampling	By Selection	Interval	Displays every nth record based on the interval given.	F
90	Analyse	Sampling	By Selection	Numbers	Display specific number of records picked at random/Top 'x' based on number/percentage.	F

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No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
91	Analyse	Sampling	By Selection	TotCount	Displays specific number of records from total count of records with option to select based on Groups.	F

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No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
92	Analyse	Sampling	By Criteria		Displays specific no. of selected records based on specific criteria as selected based on search, query, exceptions. List of values, statistics, outliers and duplicates.	SM
93	Analyse	Sampling	By Criteria-Analysis		Displays specific no. of selected records based on analysis on specified criteria as selected based on Numeric, Character, List of Values, Exceptions and Outliers.	SM
94	Analyse	Sampling	By Criteria	Analysis: Numeric	Displays specific number of records at random selected based on numeric analysis of specified columns.	F
95	Analyse	Sampling	By Criteria	Analysis: Character	Displays specific number of records at random selected based on Character analysis of specified columns.	F
96	Analyse	Sampling	By Criteria	Analysis: Outliers	Displays specific no. of records selected at random from results of Outlier function.	F
97	Analyse	Sampling	By Criteria	Analysis: Statistics	Displays specific number of records at random for each of the columns as selected.	F
98	Analyse	Sampling	By Criteria	Analysis: Exceptions	Displays specific number of records at random for specified list of exceptions.	F
99	Analyse	Sampling	By Criteria	Search	Displays specific number of records at random for each of the specified values of search.	F
100	Analyse	Sampling	By Criteria	Query	Displays specific number of records at random as per specific conditions of query.	F
101	Analyse	Sampling	By Criteria	List of Values	Displays specific number of records at random selected based on list of specified values for selected column.	F
102	Analyse	Sampling	By Criteria	Duplicates	Displays specific number of records at random for each set of results of duplicates.	F
103	Analyse	Sampling	By Profile		Displays specific no. of selected records based on profiling of data such as strata, summary, grouping, aging, MIS and statistical classification.	SM
104	Analyse	Sampling	By Profile-Stratified		Displays specific no. of selected records based on profiling of stratified data such as numeric, date, character and aging.	SM
105	Analyse	Sampling	By Profile	Stratified: Numeric	Groups numeric data into different strata based on intervals. Records from any strata can be randomly picked based on a specified number or percentage.	F
106	Analyse	Sampling	By Profile	Stratified: Date	Groups date format data into different strata based on intervals. Records from any strata can be randomly picked based on a specified number or percentage.	F

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107	Analyse	Sampling	By Profile	Stratified: Character	Groups character format data into different strata based on intervals. Records from any strata can be randomly picked based on a specified number or percentage.	F
108	Analyse	Sampling	By Profile	Stratified: Aging	Groups computed age difference of two date columns data into different strata based on specified intervals. Records from any strata can be randomly picked based on a specified number or percentage.	F
109	Analyse	Sampling	By Profile-Classification		Displays specific no. of records at random from results of statistical classification such as quadrants, percentiles, clusters or patterns.	SM
110	Analyse	Sampling	By Profile	Classification: Quadrants	Displays specific no. of records selected at random for four separate quadrants based on results of two numeric columns.	F
111	Analyse	Sampling	By Profile	Classification: Percentiles	Displays specific no. of records selected at random for selected percentile(s) data for two selected fields.	F
112	Analyse	Sampling	By Profile	Classification: Clusters	Displays specific no. of records selected at random for selected cluster(s) data for two selected fields.	F
113	Analyse	Sampling	By Profile	Classification: Patterns	Displays specific no. of records selected at random for selected pattern(s) data for two selected fields.	F
114	Analyse	Sampling	By Profile	Summarized	Displays specific no. of records selected at random for summarised results.	F
115	Analyse	Sampling	By Profile	Classified	Displays specific no. of records selected at random for classified results.	F
116	Analyse	Sampling	By Profile	Aging (Periodicity)	Displays specific no. of records selected at random for results of aging function.	F
117	Analyse	Sampling	By Profile	MIS Details	Displays specific no. of records selected at random for results of MIS function.	F
118	Analyse	Sampling	By Analysis		Displays specific number of selected records based on analysis of data such as outliers, Pareto, ABC, ABCD and Quadrant analysis.	SM
119	Analyse	Sampling	By Analysis-Classifer		Selects specific no. of records at random from results of statistically classified groups (on x and y axis) such as quadrants, percentiles, clusters or patterns.	SM
120	Analyse	Sampling	By Analysis	Classifier: Quadrant	Displays specific no. of records selected at random for four separate quadrants.	F

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121	Analyse	Sampling	By Analysis	Classifier: Percentile	Displays specific no. of records selected at random for selected percentile(s) data.	F
122	Analyse	Sampling	By Analysis	Classifier: Cluster	Displays specific no. of records selected at random for selected cluster(s) data.	F
123	Analyse	Sampling	By Analysis	Classifier: Pattern	Displays specific no. of records selected at random for selected pattern(s) data.	F
124	Analyse	Sampling	By Analysis	Pareto Details	Displays specific no. of records selected at random for two separate categories as per the Pareto (80:20) rule/specific percentage.	F
125	Analyse	Sampling	By Analysis	ABC Details	Displays specific number of records selected at random for three separate percentage categories as per ABC analysis.	F
126	Analyse	Sampling	By Analysis	ABCD Details	Displays specific number of records selected at random for four separate percentage categories as per ABCD analysis.	F
127	Analyse	Sampling	By Analysis	RSF Results	Displays specific no. of records selected at random for results generated using Relative Size Factor.	F
128	Analyse	Sampling	By Analysis	MVF Results	Displays specific no. of records selected at random for results generated using Max. Variance Factor.	F
129	Analyse	Sampling	By Analysis	Benford's Law	Displays specific no. of records selected at random for results of Benford Analysis.	F
130	Analyse	Changes			Display changes in date/numeric columns, values in cells/rows in selected Tables.	M
131	Analyse	Changes		Date Sequence	Finds the difference between two successive dates.	F
132	Analyse	Changes		Numeric Sequence	Displays missing values in a numeric sequence.	F
133	Analyse	Fuzzy Match			Arrange, normalise. find near/similar data by applying fuzzy logic. Find words with phonetic similarities (similar sounding words with the same / different spelling).	M
134	Analyse	Fuzzy Match		Arrange	Displays similarities in two values by eliminating transposition.	F
135	Analyse	Fuzzy Match		Near	Compares two values or columns and returns true if the specified difference between two fields is equal to or less than the specified difference otherwise returns false.	F
136	Analyse	Fuzzy Match		Normalize	Removes special characters, multiple spaces, leading and trailing spaces in a column.	F
137	Analyse	Fuzzy Match		Similar	Compares two values and applies transformation to find strings that are similar.	F

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138	Analyse	Fuzzy Match		Soundex / SoundsLike	Soundex displays the four-digit Soundex code for selected/ specified data from columns to identify exact/ approximate phonetic similarities. SoundsLike displays similarity of words from two columns based on exact/ approximate Soundex codes.	F
139	Analyse	Sort & Filter			Sort & filter data on multiple sheets/criteria	M
140	Analyse	Sort & Filter	Filter		Apply or remove dynamic filters.	SM
141	Analyse	Sort & Filter	Filter	Dynamic Filter	Displays all the records in the current Table in S-CAAT's result box, which can then be dynamically filtered.	F
142	Analyse	Split Sheet			Splits the current Table into multiple Tables based on date, column values and by segment.	M
143	Analyse	Split Sheet		By Group	Splits the current Table into multiple Tables based on each distinct value.	F
144	Analyse	Split Sheet		By Date	Splits the current Table into multiple Tables based on the selected period.	F
145	Analyse	Split Sheet		By Segment	Displays the specified split value of a column based on the selected delimiter.	F
146	Analyse	Split Sheet		By Value(s)	Splits the current Table into multiple Tables based on specified values.	F
147	Analyse	Split Sheet		By Date/Time	Splits combined date and time column into separate columns of date and/or time as specified.	F
148	Analyse	Split Sheet		By Columns	Splits the current Table into specific number of Tables and creates new Tables with common and unique columns as specified.	F
149	Investigate				Investigate refers to observing or inquiring the data in detail. This involves systematic examination of data by making a detailed inquiry or search to discover facts and insights to be able to come to a conclusion.	P
150	Investigate	Analysis			Analyse key features of data using various types of analysis such as Pareto, ABC, Relative size and Max. Factor.	M
151	Investigate	Analysis	Classifier		Groups items as per statistical classification (on x and y axis) and displays group of items such as quadrant, percentile, cluster or pattern.	SM
152	Investigate	Analysis	Classifier	Quadrant	Displays items in four quadrants as per the specified percentage for each category.	F

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153	Investigate	Analysis	Classifier	Percentile	Displays items in specific percentages as per default/specific percentage given.	F
154	Investigate	Analysis	Classifier	Cluster	Displays summary of groups of data from selected set of 2 columns such that each cluster has data of similar characteristics as specified.	F
155	Investigate	Analysis	Classifier	Pattern	Displays in selected ascending/descending order (based on count/sum/product) the summary of groups of data.	F
156	Investigate	Analysis	Stratum		Displays results as per stratified data of Numeric, Date and Character fields.	SM
157	Investigate	Analysis	Stratum	Numeric	Groups numeric data and displays the data in different tabs for each strata.	F
158	Investigate	Analysis	Stratum	Date	Groups date-related data and displays the data in different tabs for each strata.	F
159	Investigate	Analysis	Stratum	Character	Groups character-related data and displays the data in different tabs for each strata.	F
160	Investigate	Analysis	Comparitive		Displays comparative results based on selected Tables, columns, files, multiple files or based on stratified data of Numeric, Date and Character fields.	SM
161	Investigate	Analysis	Comparitive	CompareNColumn	Compares all values of two selected columns and displays differences between cells, rows added or deleted.	F
162	Investigate	Analysis	Comparitive	By Worksheets	Compares all values of two selected Tables and displays differences between cells, rows added or deleted.	F
163	Investigate	Analysis	Comparitive	By Columns	Displays the count, sum/difference of two or more similar columns from same Tables with options to see results of different types of comparison in a separate Database.	F
164	Investigate	Analysis	Comparitive	By Files	Displays the count, sum/difference of two or more similar columns from two different Tables with options to see results of different types of comparison in a separate Database.	F
165	Investigate	Analysis	Comparitive	By Multiple Files	Displays the count, sum/difference of two or more similar columns from more than two different Tables with options to see results of different types of comparison in a separate Database.	F

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166	Investigate	Analysis	Comparitive	By Value	Displays the count, sum/difference for each of the rows for selected numerical columns based on specified columns from two selected Tables.	F
167	Investigate	Analysis	Comparitive	By Strata	Displays the count, sum/percentage for each of the specified strata for selected numerical columns from two selected Tables.	F
168	Investigate	Analysis	Comparitive	By Period	Displays the count, sum/percentage for each of the specified period stratas for selected date columns from two selected Tables.	F
169	Investigate	Analysis	3D - Reports		Provides options to generate month-wise breakup for various reports such as MIS, Stratify numeric/character/aging and aging on selected intervals.	M
170	Investigate	Analysis	3D - Reports	MIS	Displays the Month-wise break-up for selected options in MIS reports such as: Day of week, Day of Year, Day of Month, etc.	F
171	Investigate	Analysis	3D - Reports	Stratify Numeric	Displays the Month-wise break-up by Grouping numeric data into different strata based on selected intervals.	F
172	Investigate	Analysis	3D - Reports	Stratify Character	Displays the Month-wise break-up by Grouping character data into different strata based on selected intervals.	F
173	Investigate	Analysis	3D - Reports	Stratify Aging	Displays the Month-wise break-up by Grouping date-related data into different strata based on selected intervals.	F
174	Investigate	Analysis	3D - Reports	Aging	Displays the Month-wise break-up for selected options of ageing intervals.	F
175	Investigate	Analysis		MIS	Displays the count, total, minimum, maximum and average of records for the selected period with options to perform further analysis by computing on selected fields/compare with other existing/result fields.	F
176	Investigate	Analysis		Pareto	Displays items in two separate categories as per the Pareto (80:20) rule/specific percentage given for each category.	F
177	Investigate	Analysis		ABC	Displays items in three separate categories as per the specific percentage given for each category.	F
178	Investigate	Analysis		ABCD	Displays items in four separate categories as per the set criteria of low-low, low-high, high-low and high-high categories.	F

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179	Investigate	Analysis		Aging	Groups date-related data and displays data in different intervals of data.	F
180	Investigate	Analysis		Day Of Week	Groups and displays data for each day of week in different tabs for each day.	F
181	Investigate	Analysis		Monthly	Groups and displays data in twelve separate tabs for each of the months.	F
182	Investigate	Analysis		Quarterly	Groups and displays data in four separate tabs for each of the quarters.	F
183	Investigate	Analysis		Relative Size Factor	Displays the variation between highest value and second highest value in terms of difference and multiple (difference/second highest value) for specified numeric column. Includes option to display above values based on lowest/second lowest.	F
184	Investigate	Analysis		Max. Variance Factor	Displays variation between maximum and minimum value and the differential factor in multiple (difference/minimum) for specified numeric column. Includes option to display above values for 2nd maximum and 2nd minimum.	F
185	Investigate	Analysis		Compute & Compare	Identify exceptions after computing on selected fields/comparing results with other existing/result fields.	F
186	Investigate	Trendline			Groups items as per trendline for selected group and displays relevant trend values in columns with Sparklines or charts based on results of various types of analysis.	M
187	Investigate	Trendline	Stratify		Displays trendline results as per stratified data of Numeric, Date and Character fields.	SM
188	Investigate	Trendline	Stratify	for Numeric	Displays list of values (trend) in columns for Groups of numeric data as per different strata based on intervals for specified conditions of occurrence or variance with option to display sparklines or chart.	F
189	Investigate	Trendline	Stratify	for Date	Displays list of values (trend) in columns for Groups of date type data as per different strata based on intervals for specified conditions of occurrence or variance with option to display sparklines or chart.	F

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190	Investigate	Trendline	Stratify	for Character	Displays list of values (trend) in columns for Groups of character data as per different strata based on intervals for specified conditions of occurrence or variance with option to display sparklines or chart.	F
191	Investigate	Trendline	Stratify	for Aging	Displays list of values (trend) in columns for Groups of aging data as per different strata based on intervals for specified conditions of occurrence or variance with option to display sparklines or chart.	F

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192	Investigate	Trendline	Classifier		Displays Trendline results for statistical classification (on x and y axis) for items grouped (count >1 or specified no.) as per quadrant, percentile, cluster or pattern.	SM
193	Investigate	Trendline	Classifier	for Quadrant	Displays list of values (trend) in columns results for range of values for selected quadrants for selected two numeric columns on specified conditions of occurrence or variance with option to display sparklines or chart.	F
194	Investigate	Trendline	Classifier	for Percentile	Displays list of values (trend) in columns for selected percentile for selected two numeric columns on specified conditions of occurrence or variance with option to display sparklines or chart.	F
195	Investigate	Trendline	Classifier	for Cluster	Displays list of values (trend) in columns for selected cluster for selected two numeric columns for specified conditions of occurrence or variance with option to display sparklines or chart.	F
196	Investigate	Trendline	Classifier	for Pattern	Displays list of values (trend) in columns for selected patterns for selected two numeric columns on specified conditions of occurrence or variance with option to display sparklines or chart.	F
197	Investigate	Trendline	Classification		Displays Trendline results as per statistical classification for items grouped (count >1 or specified no.) as quadrants, percentiles, clusters and patterns.	SM
198	Investigate	Trendline	Classification	for Quadrants	Displays list of values (trend) in columns for selected quadrant for selected columns/group on specified conditions of occurrence or variance with option to display sparklines or charts.	F
199	Investigate	Trendline	Classification	for Percentiles	Displays list of values (trend) in columns for selected percentile for selected columns/group on specified conditions of occurrence or variance with option to display sparklines or chart.	F
200	Investigate	Trendline	Classification	for Clusters	Displays list of values (trend) in columns for selected columns/group of selected cluster on specified conditions of occurrence or variance with option to display sparklines or chart.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
201	Investigate	Trendline	Classification	for Patterns	Displays list of values (trend) in columns for selected patterns for selected columns/group on specified conditions of occurrence or variance with option of sparklines or chart.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
202	Investigate	Trendline	Analysis		Displays Trendline results for group (count >1 or specified no.) of records based on outliers, Pareto, ABC, ABCD and Aging analysis.	SM
203	Investigate	Trendline	Analysis	for Crosstab	Displays list of values (trend) in columns for each group of records on specified conditions of occurrence or variance with option to display sparklines or chart.	F
204	Investigate	Trendline	Analysis	for Outliers	Displays list of values (trend) in columns for results of outlier analysis on specified conditions of occurrence or variance with option to display sparklines or chart.	F
205	Investigate	Trendline	Analysis	for Pareto	Displays list of values (trend) in columns for results of pareto analysis on specified conditions of occurrence or variance with option to display sparklines or chart.	F
206	Investigate	Trendline	Analysis	for ABC	Displays list of values (trend) in columns for results of ABC analysis on specified conditions of occurrence or variance with option to display sparklines or chart.	F
207	Investigate	Trendline	Analysis	for ABCD	Displays list of values (trend) in columns for results of ABCD analysis on specified conditions of occurrence or variance with option to display sparklines or chart.	F
208	Investigate	Trendline	Analysis	for Aging	Displays list of values (trend) in columns for results of aging analysis on specified conditions of occurrence or variance with option to display sparklines or chart.	F
209	Investigate	Trendline	Results		Displays Trendline results for group of records (count >1 or specified no.) based on results of classified, RSF, MVF. Top (X) or MIS Results.	SM
210	Investigate	Trendline	Results	for Classified	Displays list of values (trend) in columns for results of classified function on specified conditions of occurrence or variance with option to display sparklines or chart.	F
211	Investigate	Trendline	Results	for List of Values	Displays list of values (trend) in columns for results of list of values function on specified conditions of occurrence or variance with option to display sparklines or chart.	F
212	Investigate	Trendline	Results	for RSF	Displays list of values (trend) in columns for results of RSF function on specified conditions of occurrence or variance with option to display sparklines or chart.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
213	Investigate	Trendline	Results	for MVF	Displays list of values (trend) in columns for results of MVF function on specified conditions of occurrence or variance with option to display sparklines or chart.	F
214	Investigate	Trendline	Results	for Top (X)	Displays list of values (trend) in columns for results of Top (X) function on specified conditions of occurrence or variance with option to display sparklines or chart.	F
215	Investigate	Trendline	Results	for MIS	Displays list of values (trend) in columns for results of MIS function on specified conditions of occurrence or variance with option to display sparklines or chart.	F
216	Investigate	Query			Query and analyse based on exceptions, numbers, characters and verify numerical data.	M
217	Investigate	Query		Numeric	Displays numbers which are rounded off, 999, 0 and those which begin and/or end with specific numbers and also blank cells in the selected numeric column.	F
218	Investigate	Query		Character	Displays characters that begin and/or end with specific letters or words.	F
219	Investigate	Query		Exceptions	Displays records based on up to three AND/OR conditions.	F
220	Investigate	Query		List To Find	Displays items for selected list for date, numeric or character fields.	F
221	Investigate	Query		List To Delete	Deletes selected list of rows for date, numeric or character data based on specified conditions and creates two new Tables: List of deleted rows and List after deletion.	F
222	Investigate	Query		Verify Numbers	Compares two columns digit-by-digit to find missing digits and transposition errors.	F
223	Investigate	Query		Dynamic Query	Displays specific records based on the selected values/ condition.	F
224	Investigate	Statistics			Advanced statistical functions such as trend analysis, Benford's law, and correlation.	M
225	Investigate	Statistics		Benford's Law	Displays variance in patterns of numeric data based on Benford's Law.	F
226	Investigate	Statistics		Trend Analysis	Displays the difference between actual values and trend-fit values based on patterns of numeric data.	F
227	Investigate	Statistics		Time Series	Displays the difference between actual values and trend-fit values based on patterns of numeric data.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
228	Investigate	Statistics		Correlation	Displays the linear relationship between two numeric columns.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
229	Investigate	Relate			Join, append or compare data in two Tables based on specific criteria.	M
230	Investigate	Relate	Append Files		Displays records after appending multiple Tables with the matched or unmatched record structure.	SM
231	Investigate	Relate	Append Files	Matched Columns	Displays records after appending multiple Tables with the same record structure.	F
232	Investigate	Relate	Append Files	Unmatched Columns	Displays records after appending multiple Tables with the unmatched record structure.	F
233	Investigate	Relate	Validate		Displays results after validating based on existence of dates, matching of totals and duplicates.	SM
234	Investigate	Relate	Validate	Date	Displays date(s) within or beyond specified date from the primary date column after matching with secondary date column. Option to display dates available in secondary column not available in primary.	F
235	Investigate	Relate	Validate	Totals	Matches total of data grouped for two selected columns and displays data for which totals do not tally with option to display details or summary of unmatched items.	F
236	Investigate	Relate	Validate	Duplicates	Identifies duplicates values by comparing values of two selected columns and displays results as: "duplicates in both" or "unique in both".	F
237	Investigate	Relate		Join Files	Displays records after joining data from two Tables based on common/ uncommon column values.	F
238	Investigate	Relate		Join & Compute	Displays records with sum for selected columns for each of the rows after joining data from two Tables based on common/ uncommon column values.	F
239	Investigate	Analysis		Multiple Join	Identify relationship between 2, 3 or more files based on selected field(s) and display results in horizontal/columnar for various options of matching/unmatching.	F
240	Investigate	Relate		Join & Compute Multiple	Identify relationship between 2, 3 or more files based on selected field(s) and compute sum for selected fields and display results in horizontal/columnar for various options of matching/unmatching.	F
241	Investigate	Relate		3-Way Matching	Displays records after joining data from up to three Tables based on common/ uncommon column values.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
242	Investigate	Relate		Consolidate	Displays the consolidated count and sum of each distinct value in the selected column in multiple Tables.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
243	Investigate	Templates			Provides ready-made templates for verifying patterns of data, authentication check, analytical review and insert multiple copies of selected Table.	M
244	Investigate	Templates		Validate Patterns	Finds variances in patterns of standard formats such as PAN, TAN, GSTIN, Aadhar numbers and user specified criteria.	F
245	Investigate	Templates		Validate GSTIN	Displays whether selected single GSTIN or multiple GSTIN as per selected column is valid/invalid and provides specific category of assessee.	F
246	Investigate	Templates		Validate Email Ids	Displays whether email ids in the selected column(s) are valid/invalid by verifying the format & domain and provides options to extract them in one/two Tables alongwith domain summary.	F
247	Investigate	Templates		Validate Domains	Displays whether domains in the selected column(s) are valid/invalid by verifying domain name from registry and provides options to extract them in one/two Tables alongwith domain summary.	F
248	Investigate	Templates		Authentication Check	Displays the records by joining two Tables based on common field from single/multiple Database and on specific condition.	F
249	Investigate	Templates		Existence Check	Verifies whether values in selected primary columns exist in selected secondary columns and provides option to display rows with values which exist or non-exists in both. Display results in result form in remarks column with "available" or "not available"	F
250	Investigate	Templates		Analytical Review	Displays the difference between values of two numeric columns in number and in percentage.	F
251	Investigate	Templates		Back-Dated Entries	Identify back-dated entries, duplicates/gaps based on selected numeric/alphanumeric field related to date field based on original/sorted order from active/selected Database and display results as comments or new Table.	F
252	Investigate	Templates		Debit and Credit Column	Combines or segregates columns into debit and credit columns or a single column respectively.	F
253	Investigate	Templates		Compute Age	Compute age based on current date/ specified date on the selected date column.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
254	Documents				Documentation refers to recording critical steps of data analytics. The functions in this panel help document the steps used during data analytics.	P
255	Documents			File Info	Creates a new Table with information of file properties of current Database.	F
256	Documents	Index			Create a list of all Tables in a Database or Databases in a folder.	M
257	Documents	Index		Index Tables	Creates a Table with index and statistics of all Tables in the current Database.	F
258	Documents	Index		Index Databases	Creates a Table with index and statistics of all Databases in the selected folder.	F
259	Documents	Log			Display the Activities log, Audit log, Excel log and info of Enterprise, System and License.	M
260	Documents	Log		Database History	Displays recently opened file history and file path.	F
261	Documents	Log		Audit Log	Displays the audit log details based on the function, No. of Times, File, Database and Date when the function was performed.	F
262	Documents	Log		Enterprise Info	Add or edit information about enterprise to be used for printing.	F
263	Documents	Log		System Info	Displays System Info with option to export in Excel	F
264	Documents	Log		License Info	Displays License Info with option to export in Excel	F
265	Documents			Rerun	Logs the functions performed in eCAAT and facilitates Rerun/Auto Rerun of the selected tasks. Displays parameteres/usage statistics of functions performed.	F
266	Documents			Refresh	Re-run the last function performed in S-CAAT.	F
267	Documents			Test Data	Opens S-CAAT's Sample/Test Data Database.	F
268	Utilities				Provides unique functions which complement and enhance the use of SQL Database and are great time-savers.	P
269	Utilities	Tables			Provides options to Perform tag related functions and duplicate/insert rows and functions to organise columns by splitting, combining or re-arranging and insert nos.	M
270	Utilities	Tables		Match Columns	Displays Tables that have the same column headings and column count as the current Table, with an option to append these Tables into one Table.	F
271	Utilities	Tables		Combine as Table	Combines two or more Tables into a new Table.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
272	Utilities	Tables		Extract Tables	Extract Tables from active/selected Database and save in a new Database.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
273	Utilities	Tables		Merge Databases	Creates a new Database based on selected Tables from multiple Databases.	F
274	Utilities	Tables		Merge Tables	Creates a new Database by copying the selected Tables from the current Database.	F
275	Utilities	Tables		Split Database	Creates a new Database based by moving selected Tables from the current Database.	F
276	Utilities	Columns			Organise columns by splitting, combining or re-arranging and insert nos. for columns/rows.	SM
277	Utilities	Columns		Split	Segregates a column into two or more columns based on specified criteria.	F
278	Utilities	Columns		Combine	Displays records after combining two/more columns into a single column based on a selected delimiter.	F
279	Utilities	Columns		Re-Arrange	Displays columns as per the specified order.	F
280	Utilities	Columns		Merge DB Tables	Creates a new Database based on selected Tables from active Database.	F
281	Utilities	Columns		Insert Row Numbers	Adds a separate column of row numbers for rows with values.	F
282	Utilities	Columns		Duplicate Table	Duplicates the selected column.	F
283	Utilities	Columns		Delete Tables	Deletes selected columns with option to save in current/new Table.	F
284	Utilities	Columns		Add Date Column	Displays the corresponding number or name of the day/ month/ year of each record in a selected column.	F
285	Utilities	Columns		Delete Columns	Deletes selected columns with option to save in current/new Table.	F
286	Utilities	Columns		Extract Columns	Extract columns from active/selected Table with option to re-arrange columns and select data based on range, selection or condition.	F
287	Utilities	Columns		Extract Email Ids	Extract Email Ids from selected column(s) and add as new column(s) with option to validate domains and display domain summary.	F
288	Utilities	Columns		Extract Specific Data	Extract specific data enclosed within specified characters/text for selected column(s) and add as new column(s).	F
289	Utilities	Hide / Unhide			Hides or unhides columns and Tables.	M
290	Utilities	Hide / Unhide	By Panel		Hides or unhides the selected panels of the software.	F

List of S-CAAT Functions with Brief Descriptions

No.	Panel	Menu	Sub Menu	Function	Tool Tips/Brief Description	Type
291	Utilities	Hide / Unhide		By Module	Enable or Disable selected module (software) of S-CAAT suite as required.	F
292	Utilities	Print Setup			Sets or clears print area and prints multiple Tables.	M
293	Utilities	Print Setup		Set Print Area	Sets print area to the current selection for all Tables in the Database.	F
294	Utilities	Print Setup		Clear Print Area	Clears print area for all Tables in the Database.	F
295	Utilities	Print Setup		Remove Page Breaks	Removes all page breaks in all Tables of current Database.	F
296	Utilities	Print Setup		Print Multiple Sheets	Prints multiple Tables at once.	F
297	Utilities	Print Setup		Workbook to PDF	Exports the entire Workbook in PDF format to the specified location.	F
298	Utilities			Save Database	Saves Database with options to 1. Save current Database in same location as the original 2. Save & continue all Databases and 3. Save all Databases & Close Excel.	F
299	Utilities	Charts			Provides options to display Pivot Table, Pivot Charts and other charting functions for data available MS Excel worksheet.	M
300	Utilities	Charts		Pivot Table	Displays Pivot Table of MS Excel with data displayed for first two columns as default x/y axis.	F
301	Utilities	Charts		Pivot Chart	Displays Pivot Chart of MS Excel with data displayed for first two columns as default x/y axis.	F
302	Utilities	Charts		Charts	Displays Chart options of MS Excel with option to select data/chart type.	F