

List of Auto eCAAT Ent Functions with Brief Descriptions

No.	Panel	Menu (M)	Function (F)	Tool Tips / Brief Descriptions	Type
1	By Functions			Performs the selected list of eCAAT functions in succession, as specified and displays results in workbook/worksheets.	P
2	By Functions	Functions		Performs the selected list of eCAAT functions in succession, as specified from this panel and display results in workbook/worksheets.	M
3	By Functions	Functions	Stratify - Numeric	Groups numeric data into different strata based on intervals.	F
4	By Functions	Functions	Stratify - Date	Groups dates into different strata based on intervals.	F
5	By Functions	Functions	Stratify - Character	Groups characters into different strata based on intervals.	F
6	By Functions	Functions	Stratify - Aging	Computes difference of selected two date columns & stratifies on specified intervals for computed date difference.	F
7	By Functions	Functions	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
8	By Functions	Functions	Summarize - KeyField	Groups each distinct value in a numeric column and displays corresponding count and sum. Data is displayed based on selected keyfield.	F
9	By Functions	Functions	Totals - Cum./Sub Total	Displays cumulative total or sub-total for the selected numeric column.	F
10	By Functions	Functions	Classification - Quadrants	Displays items in four quadrants as per the specified percentage for each category for selected two numeric columns.	F
11	By Functions	Functions	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
12	By Functions	Functions	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
13	By Functions	Functions	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
14	By Functions	Functions	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
15	By Functions	Functions	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

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16	By Functions	Functions	Remarks4Conditions	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
17	By Functions	Functions	Aging	Groups and totals all records that are within and beyond the aging date based on the specified aging intervals.	F
18	By Functions	Functions	Top / Last X	Displays the topmost or bottommost 'x' number of records in a column.	F
19	By Functions	Functions	Column Statistics	Displays column-wise statistics of numeric, date and character data.	F
20	By Functions	Functions	Column Properties	Shows column properties such as number of valid cells, blank cells, total cells and data type of all columns.	F
21	By Functions	Functions	Highlight - -ve / Unique Numbers	Highlights negative numbers / unique values in the selected numeric columns.	F
22	By Functions	Functions	Highlight - Specific Value(s)	Highlights cells with the specified values in the current worksheet.	F
23	By Functions	Functions	Highlight - Function Errors	Highlights function errors in the current worksheet.	F
24	By Functions	Functions	Highlight - Inconsistent Formula (s)	Highlights cells that have computations based on inconsistent formula compared to formula of first row of data.	F
25	By Functions	Functions	Highlight - Inconsistent Date Format	Highlights cells that have dates which are not in conformance with the selected date format.	F
26	By Functions	Functions	Highlight - Inconsistent Data Format	Highlights cells that have dates which are not in conformance with the selected data format.	F
27	By Functions	Functions	Highlight - Cells with Space(s)	Highlights cells which have blanks or spaces or both (missing data) for specified columns.	F
28	By Functions	Functions	Duplicates - Identify Duplicates	Displays all duplicate records in the selected columns.	F
29	By Functions	Functions	Duplicates - Identify Unique	Displays all records that are unique in the selected columns.	F
30	By Functions	Functions	Duplicates - Remove Duplicates	Displays all unique records and one record from each of the duplicate records.	F
31	By Functions	Functions	Duplicates - Same Same Different	Displays records where the values in one/more selected columns are same but different in another column.	F
32	By Functions	Functions	Duplicates - In Same Row	Displays duplicate values (character/ date/ numeric) in the same row.	F
33	By Functions	Functions	Gaps - Numeric	Displays all successive numeric records whose difference is within the given interval.	F
34	By Functions	Functions	Gaps - Date	Displays all successive date records whose difference is within the given interval.	F
35	By Functions	Functions	Gaps - Character	Displays all successive alphanumeric records whose difference is within the given character mask.	F
36	By Functions	Functions	Outliers - By Mask	Displays records that do not match a defined mask where 'C' represents characters and 'N' represents numbers.	F

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37	By Functions	Functions	Outliers - By Bound	Displays records whose mask matches the selected condition. Also finds records that match a value at specific positions.	F
38	By Functions	Functions	Outliers - By Numeric	Displays records that exceeds 'x' number of times, the average/standard deviation of the selected numeric column.	F
39	By Functions	Functions	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
40	By Functions	Functions	Mandatory Data	Displays rows with cells which have blanks or spaces or both (missing data) for specified columns,	F
41	By Functions	Functions	Date Sequence	Finds the difference between two successive dates.	F
42	By Functions	Functions	Numeric Sequence	Displays missing values in a numeric sequence.	F
43	By Functions	Functions	Identify Changes	Compares two worksheets cell-by-cell and highlights all changes or non-changes and displays comments with changes or a list of changes.	F
44	By Functions	Functions	Fuzzy Match - Arrange	Displays similarities in two values by eliminating transposition.	F
45	By Functions	Functions	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
46	By Functions	Functions	Fuzzy Match - Normalize	Removes special characters, multiple spaces, leading and trailing spaces in a column.	F
47	By Functions	Functions	Fuzzy Match - Similar	Compares two values and applies transformation to find strings that are similar.	F
48	By Functions	Functions	Fuzzy Match - Soundex/SoundLike	Soundex displays the four-digit Soundex code for selected/ specified data from columns to identify exact/ approximate phonetic similarities. SoundLike displays similarity of words from two columns based on exact/ approximate Soundex codes.	F
49	By Functions	Functions	Split Sheet - By Group	Splits the current worksheet into multiple worksheets based on each distinct value.	F
50	By Functions	Functions	Split Sheet - By Date	Splits the current worksheet into multiple worksheets based on the selected period.	F
51	By Functions	Functions	Split Sheet - By Segment	Displays the specified split value of a column based on the selected delimiter.	F
52	By Functions	Functions	Split Sheet - By Value(s)	Splits the current worksheet into multiple worksheets based on specified values.	F
53	By Functions	Functions	Split Sheet - By Delimiter	Splits values of selected column(s) based on selected one or two delimiters with specific no. of splits (auto/manual) with option to display results of split values separately in new columns or rows (with fill from above).	F

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54	By Functions	Functions	Split Sheet - By Date/Time	Splits combined date and time column into separate columns of date and/or time as specified.	F
55	By Functions	Functions	Split Sheet - By Columns	Splits the current worksheet into specific number of worksheets and creates new worksheets with common and unique columns as specified.	F
56	By Functions	Functions	Classifier - Quadrant Analysis	Displays items in four quadrants as per the specified percentage for each category.	F
57	By Functions	Functions	Classifier - Percentile Analysis	Displays items in specific percentages as per default/specific percentage given.	F
58	By Functions	Functions	Classifier - Cluster Analysis	Displays summary of groups of data from selected set of 2 columns such that each cluster has data of similar characteristics as specified.	F
59	By Functions	Functions	Classifier - Pattern Analysis	Displays in selected ascending/descending order (based on count/sum/product) the summary of groups of data.	F
60	By Functions	Functions	Stratum - Numeric	Groups numeric data and displays the data in different tabs for each strata.	F
61	By Functions	Functions	Stratum - Date	Groups date-related data and displays the data in different tabs for each strata.	F
62	By Functions	Functions	Stratum - Character	Groups character-related data and displays the data in different tabs for each strata.	F
63	By Functions	Functions	Comparative - CompareNColumn	Compares all values of two selected columns and displays differences between cells, rows added or deleted.	F
64	By Functions	Functions	Comparative - By Columns	Displays the count, sum/difference of two or more similar columns from same worksheets with options to see results of different types of comparison in a separate workbook.	F
65	By Functions	Functions	Comparative - By Files	Displays the count, sum/difference of two or more similar columns from two different worksheets with options to see results of different types of comparison in a separate workbook.	F
66	By Functions	Functions	Comparative - By Worksheets	Compares all values of two selected worksheets and displays differences between cells, rows added or deleted.	F
67	By Functions	Functions	Comparative - By Multiple Files	Displays the count, sum/difference of two or more similar columns from more than two different worksheets with options to see results of different types of comparison in a separate workbook.	F
68	By Functions	Functions	Comparative - By Value	Displays the count, sum/difference for each of the rows for selected numerical columns based on specified columns from two selected worksheets.	F
69	By Functions	Functions	Comparative - By Strata	Displays the count, sum/percentage for each of the specified strata for selected numerical columns from two selected worksheets.	F

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70	By Functions	Functions	Comparative - By Period	Displays the count, sum/percentage for each of the specified period stratas for selected date columns from two selected worksheets.	F
71	By Functions	Functions	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
72	By Functions	Functions	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
73	By Functions	Functions	3D-Reports - Stratify Numeric	Displays the Month-wise break-up by Grouping numeric data into different strata based on selected intervals.	F
74	By Functions	Functions	3D-Reports - Stratify Character	Displays the Month-wise break-up by Grouping character data into different strata based on selected intervals.	F
75	By Functions	Functions	3D-Reports - Stratify Aging	Displays the Month-wise break-up by Grouping date-related data into different strata based on selected intervals.	F
76	By Functions	Functions	3D-Reports - Aging	Displays the Month-wise break-up for selected options of ageing intervals.	F
77	By Functions	Functions	Analysis - Pareto Analysis	Displays items in two separate categories as per the Pareto (80:20) rule/specific percentage given for each category.	F
78	By Functions	Functions	Analysis - ABC Analysis	Displays items in three separate categories as per the specific percentage given for each category.	F
79	By Functions	Functions	Analysis - ABCD Analysis	Displays items in four separate categories as per the set criteria of low-low, low-high, high-low and high-high categories.	F
80	By Functions	Functions	Analysis - Aging	Groups date-related data and displays data in different intervals of data.	F
81	By Functions	Functions	Analysis - Day Of Week Analysis	Groups and displays data for each day of week in different tabs for each day.	F
82	By Functions	Functions	Analysis - Quarterly Analysis	Groups and displays data in four separate tabs for each of the quarters.	F
83	By Functions	Functions	Analysis - Monthly Analysis	Groups and displays data in twelve separate tabs for each of the months.	F
84	By Functions	Functions	Analysis - RSF	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
85	By Functions	Functions	Analysis - MVF	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
86	By Functions	Functions	Analysis - Compute & Compare	Identify exceptions after computing on selected fields/comparing results with other existing/result fields.	F

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No.	Panel	Menu (M)	Function (F)	Tool Tips / Brief Descriptions	Type
87	By Functions	Functions	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
88	By Functions	Functions	Query - Character	Displays characters that begin and/or end with specific letters or words.	F
89	By Functions	Functions	Query - Exception	Displays records based on up to three AND/OR conditions.	F
90	By Functions	Functions	Query - List To Find	Displays items for selected list for date, numeric or character fields.	F
91	By Functions	Functions	Query - List To Delete	Deletes selected list of rows for date, numeric or character data based on specified conditions and creates two new worksheets: List of deleted rows and List after deletion.	F
92	By Functions	Functions	Query - Verify Numbers	Compares two columns digit-by-digit to find missing digits and transposition errors.	F
93	By Functions	Functions	Statistics - Bendford's Law	Displays variance in patterns of numeric data based on Benford's Law.	F
94	By Functions	Functions	Append File - Matched Columns	Displays records after appending multiple worksheets with the same record structure.	F
95	By Functions	Functions	Append File - Unmatched Columns	Displays records after appending multiple worksheets with the unmatched record structure.	F
96	By Functions	Functions	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
97	By Functions	Functions	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
98	By Functions	Functions	Validate - Duplicates	Identifies duplicates values by comparing values of two selected columns and displays results as: "duplicates in both" or "unique in both".	F
99	By Functions	Functions	Relate - Quick Join	Displays records (fully matched, all in primary, not in primary) by adding selected column (s) from secondary file after matching data from two selected worksheets based on column values.	F
100	By Functions	Functions	Relate - Join Files	Displays records after joining data from two worksheets based on common/ uncommon column values.	F
101	By Functions	Functions	Relate - Join & Compute	Displays records with sum for selected columns for each of the rows after joining data from two worksheets based on common/ uncommon column values.	F

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No.	Panel	Menu (M)	Function (F)	Tool Tips / Brief Descriptions	Type
102	By Functions	Functions	Relate - 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
103	By Functions	Functions	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
104	By Functions	Functions	Relate - 3-Way Matching	Displays records after joining data from up to three worksheets based on common/uncommon column values.	F
105	By Functions	Functions	Relate - Consolidate	Displays the consolidated count and sum of each distinct value in the selected column in multiple worksheets.	F
106	By Functions	Functions	Relate - Collate	Displays records after combining the selected/ specified data from two/more worksheets.	F
107	By Functions	Functions	Templates - Validate Patterns	Finds variances in patterns of standard formats such as PAN, TAN, GSTIN, Aadhar numbers and user specified criteria.	F
108	By Functions	Functions	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
109	By Functions	Functions	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 worksheets alongwith domain summary.	F
110	By Functions	Functions	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 worksheets alongwith domain summary.	F
111	By Functions	Functions	Templates - Luhn Algorithm	Finds records that are in conformance to Luhn Algorithm for credit card numbers (12 to 19 digits) in the selected columns.	F
112	By Functions	Functions	Templates - Authentication Check	Displays the records by joining two worksheets based on common field from single/multiple workbook and on specific condition.	F
113	By Functions	Functions	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
114	By Functions	Functions	Templates - Analytical Review	Displays the difference between values of two numeric columns in number and in percentage.	F

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115	By Functions	Functions	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 workbook and display results as comments or new worksheet.	F
116	By Functions	Functions	Templates - Debit and Credit Column	Combines or segregates columns into debit and credit columns or a single column respectively.	F
117	By Functions	Functions	Templates - Compute Age	Compute age based on current date/ specified date on the selected date column.	F