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| **Category** | **Function** | **Description** | **Example** |
| Basic Aggregation | SUM | Adds up all numbers in a column | SUM(Sales[Amount]) |
| Basic Aggregation | AVERAGE | Calculates the average of a column | AVERAGE(Sales[Amount]) |
| Basic Aggregation | MIN / MAX | Finds the minimum or maximum value | MIN(Date[Date]) / MAX(Date[Date]) |
| Basic Aggregation | COUNT / COUNTA | Counts non-blank cells (COUNTA includes text) | COUNT(Customer[CustomerID]) |
| Time Intelligence | DATEADD | Shifts a date by a specified interval | DATEADD(Date[Date], -1, YEAR) |
| Time Intelligence | DATESYTD | Returns dates from the start of the year to a specified date | DATESYTD(Date[Date]) |
| Time Intelligence | SAMEPERIODLASTYEAR | Returns a set of dates from the previous year | SAMEPERIODLASTYEAR(Date[Date]) |
| Filter Functions | FILTER | Applies a filter to a table | FILTER(Sales, Sales[Amount] > 1000) |
| Filter Functions | ALL | Removes all filters from a table or column(s) | ALL(Product) |
| Filter Functions | ALLEXCEPT | Removes all filters except for specified columns | ALLEXCEPT(Product, Product[Category]) |
| Iterators | SUMX | Sums an expression evaluated for each row | SUMX(Sales, Sales[Quantity] \* Sales[Price]) |
| Iterators | AVERAGEX | Averages an expression evaluated for each row | AVERAGEX(Sales, Sales[Quantity] \* Sales[Price]) |
| Ranking | RANKX | Returns the ranking of a number in a list | RANKX(ALL(Product), [TotalSales]) |
| Text Functions | CONCATENATE | Joins two text strings into one | CONCATENATE(Customer[FirstName], " ", Customer[LastName]) |
| Logical Functions | IF | Returns one value if condition is true, another if false | IF(Sales[Amount] > 1000, "High", "Low") |
| Logical Functions | SWITCH | Evaluates an expression against multiple values | SWITCH(Product[Category], "A", 1, "B", 2, "C", 3, 0) |
| Advanced Calculations | CALCULATE | Evaluates an expression in a modified filter context | CALCULATE([TotalSales], Product[Category]="Bikes") |
| Advanced Calculations | EARLIER | Refers to an outer loop's row context in nested iterations | SUMX(Sales, Sales[Amount] \* EARLIER(Sales[Discount])) |
| Advanced Calculations | RELATEDTABLE | Returns a table of related rows from another table | COUNTROWS(RELATEDTABLE(Sales)) |
| Window Functions | PREVIOUSMONTH | Returns a table containing dates from the previous month | CALCULATE([TotalSales], PREVIOUSMONTH(Date[Date])) |
| Window Functions | PARALLELPERIOD | Returns a table containing dates shifted by a given interval | CALCULATE([TotalSales], PARALLELPERIOD(Date[Date], -1, MONTH)) |