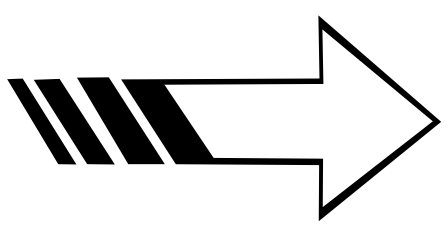
PREM MANDAL

ALL IMPORTANT DAX FORMULAS EVERY ANALYST MUST KNOW

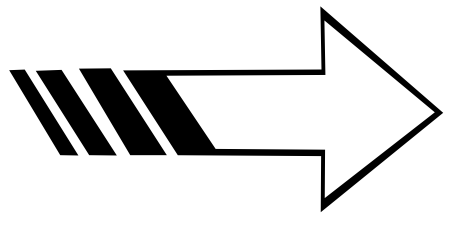
Logical

- **IF:** IF('Table'[Column] > 10, "Yes", "No")|
- **AND:** AND('Table'[Column1] > 5, 'Table'[Column2] < 10)
- **OR:** OR('Table' [Column1] > 5, 'Table' [Column2] < 10)
- **NOT**: NOT('Table' [Flag]) |
- **SWITCH**: SWITCH('Table' [Category],"A",1,"B",2,0)



Text

- **CONCATENATE:** CONCATENATE('Table' [Text1],'Table' [Text2])
- **LEFT:** LEFT('Table'[Text], 3)
- **RIGHT:** RIGHT('Table' [Text], 5)
- LEN: LEN('Table'[Text])
- **UPPER:** UPPER('Table' [Text])
- **LOWER:** LOWER('Table' [Text])
- **TRIM:** TRIM('Table'[Text])
- **SEARCH:** SEARCH("keyword"", 'Table'[Text])
- **CONTAINSSTRING:** CONTAINSSTRING('Table' [Text], "keyword")
- **LEFT:** LEFT ('Table' [Text], 3)
- **RIGHT:** RIGHT('Table' [Text],3)

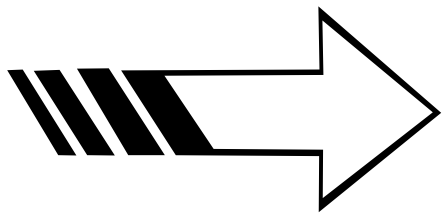


Date

- **TODAY:** TODAY()
- **NOW:** NOW()
- **YEAR:** YEAR('Table'[Date])
- **MONTH:** MONTH(‘Table'[Date])
- **DAY:** DAY ('Table'[Date])
- **DATEDIFF:** DATEDIFF('Table'[StartDate], 'Table'[EndDate], DAY)
- **EOMONTH:** EOMONTH('Table'[Date],0)
- **FORMAT:** FORMAT('Table'[Date], “yyyy-mm-dd”)

Math

- **SUMX:** SUMX(Sales, Sales[Quantity] * Sales[Price])
- **AVERAGE:** AVERAGE ('Table' [Column])
- **MIN:** MIN('Table'[Column])
- **MAX:** MAX('Table' [Column])
- **ROUND:** ROUND('Table' [Number], 2)
- **ABS:** ABS('Table'[Number])
- **EXP:** EXP('Table'[Exponent])
- **LOG:** LOG('Table'[Number],10

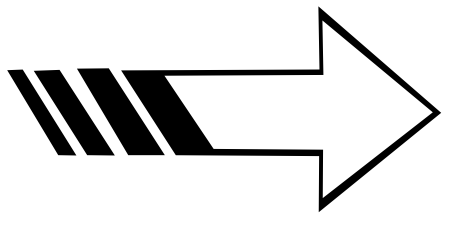


Statistics

- **AVERAGEX:** AVERAGEX('Table', 'Table' [Column])
- **COUNT:** COUNT ('Table' (Column]) |
- **COUNTA:** COUNTA (' Table' [Column])
- **COUNTAX:** COUNTAX('Table', 'Table' [Column])
- **STDEV.P:** STDEV.P('Table' [Column])
- **VAR.P:** VAR.P('Table' (Column])

Time Intelligence

- **TOTALYTD:** TOTALYTD(SUM ('Table' [Sales]), 'Date'[Date])
- **SAMEPERIODLASTYEAR:** CALCULATE(SUM('Table' [Sales]).
- **SAMEPERIODLASTYEAR** ('Date' [Date]))
- **YTD:** CALCULATE (SUM('Table' [Sales]), ALL('Date'), 'Date' [Date] <= MAX ('Date' [Date]))
- **QUARTER**: QUARTER('Date' [Date])
- **MONTH**: MONTH 'Date' [Date])
- **WEEKDAY**: WEEKDAY ('Date' [Date], 2)
- **CALENDAR**: CALENDAR (DATE (2023, 1, 1), DATE(2023, 12, 31))
- **DATESBETWEEN**: DATESBETWEEN('Date' [Date], DATE(2022, 1, 1), DATE (2022, 12, 31))
- **TOTALMTD**: TOTALMTD(SUM('Table' [Sales]), 'Date' [Date])
- **FIRSTDATE**: FIRSTDATE ('Date' [Date])
- **LASTDATE**: LASTDATE (('Date' [Date])



Finance

- **PV:** PV(0.05, 10, 1000, 0, 0)
- **FV:** FV(0.05, 10, -100, 0, 0)
- **MPV:** NPV(0.1, CashFlow1, CashFlow2, CashFlow3)
- **IRR:** IRR(CashFlows)
- **TOTALYTD:** TOTALYTD(SUM('Table' [Revenue]), 'Date' [Date])
- **CLOSINGBALANCEMONTH:** CLOSINGBALANCEMONTH ('Table' [Revenue],'Date' [Date])
- **OPENINGBALANCEMONTH:** OPENINGBALANCEMONTH (' Table' [Revenue],'Date'[Date])

Distribution

- **NORM. DIST:** NORM. DIST (1.96, 0, 1, TRUE) **NORM.**
- **INV:** NORM. INV (0.95, 0, 1) **BINON. DIST:** BINOM. DIST(3,
- 10, 0.5, FALSE) **POISSON.**
- **DIST:** POISSON. DIST(2, 5,
- FALSE)

Ranking

- **RANKX:** RANKX('Table', 'Table' [Sales], , DESC)
- **TOPN:** TOPN(5, 'Table', 'Table'[Sales], DESC)
- **RANK.EQ:** RANK.EQ('Table' [Sales], 'Table' [Sales], DESC)

Testing

- **T.TEST:** T. TEST('Group' [Data], 'Group2' [Data], 2, 1)
- **ANOVA:** ANOVA('Table' [Values], 'Table' [Category])
- **CHISQ. DIST:** CHISQ. DIST (3.84, 2, FALSE)
- **PERCENTILE.INC:** PERCENTILE. INC('Table' [Values], 0.75)
- **PERCENTILE.EXC:** PERCENTILE. EXC('Table' [Values], 0.75)
- **RANK. AVG:** RANK. AVG('Table' [Sales], 'Table' [Category], 1)
- **KEEPFILTERS:** KEEPFILTERS(CALCULATE (SUM('Table' [Sales]), 'Table' [Category] = "A"))

Table

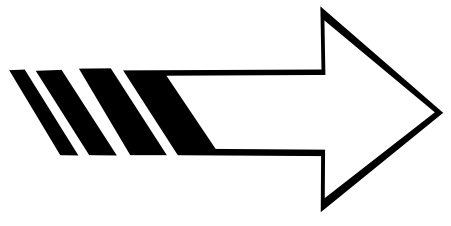
- **VALUES**: VALUES('Table'[Column])
- **ALLSELECTED**: ALLSELECTED('Table')
- **ADDCOLUMNS**: ADDCOLUMNS ('Table', "Revenue", 'Table' [Quantity] * 'Table' [Price])
- **SUMMARIZE**: SUMMARIZE ('Table', 'Table' [Category], "Total Sales", SUM('Table' [Sales]))
- **ROLLUP**: ROLLUP('Date', 'Date' [Year], 'Date' [Quarter], 'Date' [Month])
- **KEEPFILTERS**: KEEPFILTERS (CALCULATETABLE('Table', 'Table' [Column] > 100))
- **SELECTCOLUMNS:** SELECTCOLUMNS('Table', 'Table' [Column1], 'Table' [Column2])
- **SUMMARIZECOLUMNS:** SUMMARIZECOLUMNS('Table' [Column1], 'Table' [Column2], "Total Sales", SUM(‘Table’[Sales]))

Parent-Child

- **PATH:** PATH('Table', 'Table' [ParentID], 'Table' [ID])
- **PATHITEM:** PATHITEM('Table' [Path], 1)
- **PATHLENGTH:** PATHLENGTH('Table' [Path])
- **ISFILTERED:** IF(ISFILTERED ('Table' [Column]), "Filtered", "Not Filtered")

Advanced

- **PREDICT:** PREDICT('Table', 'Table' [Value], FILTER('Table', 'Table' [Date] > DATE(2022, 1, 1)))
- **COVARIANCE.P:** COVARIANCE.P('Table1' [Values], 'Table2' [Values])
- **CORRELATION:** CORRELATION('Table1'[Values], 'Table2'[Values])
- **RANK.EQ:** RANK.EQ('Table' [Sales], 'Table' [Sales], DESC,'Table' [Category])
- **PREDICT:** PREDICT('Table', 'Table' [Value], FILTER('Table','Table' [Date] > DATE(2022, 1, 1)))
- **COVARIANCE.P:** COVARIANCE.P('Table1' [Values], 'Table2' [Values])



Information

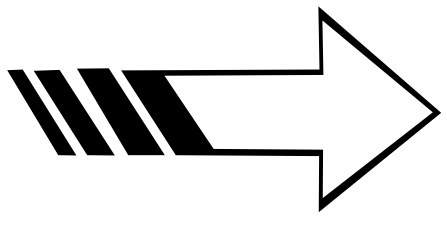
- **ISBLANK:** IF (ISBLANK ('Table' [Column]), "Blank", "Not Blank")
- **ISERROR:** IF(ISERROR(1/0), "Error", "No Error")
- **TYPEOF:** TYPEOF ('Table' [Column], INTEGER)

Parameter

- **ISBLANK:** IF (ISBLANK ('Table' [Column]), "Blank", "Not Blank")
- **ISERROR:** IF(ISERROR(1/0), "Error", "No Error")
- **TYPEOF:** TYPEOF ('Table' [Column], INTEGER)

Context

- **EARLIER:** CALCULATE (SUM('Table' [Sales]), 'Table' [Date] = EARLIER ('Table' (Date]) - 1)
- **FILTERS:** FILTERS('Table' [Category])
- **USERELATIONSHIP:** USERELATIONSHIP(' Table1' [Column], 'Table2' [Column])



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BUSINESS & DATA ANALYST

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