

Power BI DAX Cheat Sheet



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")



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)



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)



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])



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)`



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])



Distribution

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



Finance

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



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])

