

PowerPivot DAX Function list

Date and Time functions

DATE(<year>, <month>, <day>)
DATEVALUE(date_text)
DAY(<date>)
EDATE(<start_date>, <months>)
EOMONTH(<start_date>, <months>)
HOUR(<datetime>)
MINUTE(<datetime>)
MONTH(<datetime>)
NOW()
SECOND(<time>)
TIME(hour, minute, second)
TIMEVALUE(time_text)
TODAY()
WEEKDAY(<date>, <return_type>)
WEEKNUM(<date>, <return_type>)
YEAR(<date>)
YEARFRAC(<start_date>, <end_date>, <basis>)

Information functions

ISBLANK(<value>)
ISERROR(<value>)
ISLOGICAL(<value>)
ISNONTEXT(<value>)
ISNUMBER(<value>)
ISTEXT(<value>)

Filter and Value Functions

ALL(<table_or_column>)
ALLEXCEPT(<table>, <column1>, <column2>, ...)
BLANK()
CALCULATE(<expression>, <filter1>, <filter2>, ...)
CALCULATETABLE(<expression>, <filter1>, <filter2>, ...)
DISTINCT(<column>)
EARLIER(<column>, <number>)
EARLIEST(<table_or_column>)
FILTER(<table>, <filter>)
RELATED(<column>)
RELATEDTABLE(<table>)
VALUES(<column>)
ALLNONBLANKROW(?)
FIRSTNONBLANK(<column>, <expression>)

Logical functions

AND(<logical1>, <logical2>, ...)
FALSE()
IF(logical_test, <value_if_true>, <value_if_false>)
IFERROR(value, <value_if_error>)
NOT(<logical>)
TRUE()
OR(<logical1>, <logical2>, ...)

Math and Trig Functions

ABS(<number>)
CEILING(<number>, <significance>)
EXP(<number>)
FACT(<number>)
FLOOR(<number>, <significance>)
INT(<number>)
LN(<number>)
LOG(<number>, <base>)
LOG10(<number>)
MOD(<number>, <divisor>)
MROUND(<number>, <multiple>)
PI()
POWER(<number>, <power>)
QUOTIENT(<numerator>, <denominator>)
ROUND(<number>, <num_digits>)
ROUNDDOWN(<number>, <num_digits>)
ROUNDUP(<number>, <num_digits>)
SIGN(<number>)
SQRT(<number>)
TRUNC(<number>, <num_digits>)
[vb] RAND()
[vb] RANDBETWEEN(<bottom>, <top>)

Statistical functions

AVERAGE(<column>)
AVERAGEA(<column>)

AVERAGEX(<table>, <expression>)
COUNT(<column>)
COUNTA(<column>)
COUNTAX(<table>, <expression>)
COUNTBLANK(<column>)
COUNTROWS(<table>)
COUNTX(<table>, <expression>)
MAX(<column>)
MAXA(<column>)
MAXX(<table>, <expression>)
MIN(<column>)
MINA(<column>)
MINX(<table>, <expression>)
SUM(<column>)
SUMX(<table>, <expression>)

Text Functions

CODE(<text>)
CONCATENATE(<text1>, <text2>, ...)
EXACT(<text1>, <text2>)
FIND(<find_text>, <within_text>, <start_num>)
FIXED(<number>, <decimals>, <no_commas>)
LEFT(<text>, <num_chars>)
LEN(<text>)
LOWER(<text>)
MID(<text>, <start_num>, <num_chars>)
REPLACE(<old_text>, <start_num>, <num_chars>, <new_text>)
REPT(<text>, <num_times>)
RIGHT(<text>, <num_chars>)
SEARCH(<search_text>, <within_text>, [start_num])
SUBSTITUTE(<text>, <old_text>, <new_text>, <instance_num>)
TRIM(<text>)
UPPER(<text>)
VALUE(<text>)
FORMAT(<value>, <format_string>)

Time Intelligence Functions

CLOSINGBALANCEMONTH(<expression>, <dates>, <filter>)
CLOSINGBALANCEQUARTER(<expression>, <dates>, <filter>)
CLOSINGBALANCEYEAR(<expression>, <dates>, <filter>)
DATESINPERIOD(<date_column>, <start_date>, <number_of_intervals>, <intervals>)
DATESBETWEEN(<column>, <start_date>, <end_date>)
DATEADD(<date_column>, <number_of_intervals>, <interval>)
FIRSTDATE (<datecolumn>)
LASTDATE (<datecolumn>)
LASTNONBLANKDATE (<datecolumn>, [<expression>])
STARTOFMONTH (<date_column>)
STARTOFQUARTER (<date_column>)
STARTOFYEAR(<date_column>, [<YE_date>])
ENDOFMONTH(<date_column>)
ENDOFQUARTER(<date_column>)
ENDOFYEAR(<date_column>)
PARALLELPERIOD(<date_column>, <number_of_intervals>, <intervals>)
PREVIOUSDAY(<date_column>)
PREVIOUSMONTH(<date_column>)
PREVIOUSQUARTER(<date_column>)
PREVIOUSYEAR(<date_column>)
NEXTDAY(<date_column>)
NEXTMONTH(<date_column>)
NEXTQUARTER (<date_column>)
NEXTYEAR(<date_column>, [<YE_date>])
DATESMTD(<date_column>)
DATESQTD (<date_column>)
DATESYTD (<date_column> [, <YE_date>])
SAMEPERIODLASTYEAR() - ?
OPENINGBALANCEMONTH(<expression>, <dates>, <filter>)
OPENINGBALANCEQUARTER(<expression>, <dates>, <filter>)
OPENINGBALANCEYEAR(<expression>, <dates>, <filter>)
TotalMTD(<expression>, <dates>, <filter>)
TotalQTD(<expression>, <dates>, <filter>)
TotalYTD(<expression>, <dates>, <filter>)