

Complete List of Functions for use in ABC Analyzer 5



Function name	Description and example
Round()	Rounds to nearest integer. Usage: Round(x). Example: Round(-1.6) = -2.
ColumnSum()	Sum of column values. Usage: ColumnSum([MyColumn])
ColumnCount()	Number of values in a column. Usage: ColumnCount([MyColumn]).
ColumnAverage()	Average of column values. Usage: ColumnAverage([MyColumn]).
ColumnMaximum()	Maximum of column values. Usage: ColumnMaximum([MyColumn]).
ColumnMinimum()	Minimum of column values. Usage: ColumnMinimum([MyColumn]).
AND()	Logical AND. Usage: AND(x, y). Examples: AND(1=1, 1>2) = 0 (false), AND(1=1, 1<2) = 1 (true).
OR()	Logical OR. Usage: OR(x, y). Examples: OR(1=4, 1>2) = 0 (false), OR(1=4, 1<2) = 1 (true).
ColumnCountIf()	Number of values in column satisfying condition. Usage: ColumnCountIf([Mycolumn], condition). Example: ColumnCountIf([MyColumn], ">0") = value.
ColumnSumIf()	Sum of values in column satisfying condition. Usage: ColumnSumIf([Mycolumn], condition). Example: ColumnSumIf([MyColumn], ">2") = value.
CorCoef()	Correlation coefficient. Usage: CorCoef([Mycolumn1], [Mycolumn2])). Example: CorCoef([MyColumn1], [MyColumn2]) = value.
ColumnStdDev()	Column standard deviation. Usage: ColumnStdDev([MyColumn]). Example: ColumnStdDev([MyColumn]) = value.
Maximum()	Maximum of values. Usage: Maximum(value1, value2, ...). Example: Maximum(1, 3, 7, -5, 2) = 7.
Minimum()	Minimum of values. Usage: Minimum(value1, value2, ...). Example: Minimum(1, 3, 7, -5, 2) = -5.
Average()	Average of values. Usage: Average(value1, value2, ...). Example: Average(1, 3, 7, -5, 2) = 1.6.

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CountIf()	Conditional count. Usage: CountIf(value1, value2, ..., condition). Example: CountIf(1, 2, 3, 4, 5, ">3") = 2.
SumIf()	Conditional sum. Usage: SumIf(value1, value2, ..., condition). Example: SumIf(1, 2, 3, 4, 5, "<4") = 6.
StdDev()	Standard deviation. Usage: StdDev(value1, value2, ...). Example: tDev(1, 3, 7, -5, 2) = 4.34.
Days()	Days since 1900-01-01 till a given date + 1. Usage: Days(x). Example: Days("1900-01-02") = 2.
Now()	Days since 1900-01-01 till today + 1. Usage: Now(). Example: Now() = 41031
ImportDate()	Days between 1900-01-01 + 1 and last import date. Example: ImportDate() = 40210
FileDate()	Days between 1900-01-01 + 1 and last file modification. Example: FileDate() = 40209
Sqrt()	Square root. Usage: Sqrt(x). Example: Sqrt(2) = 1.4142.
Abs()	Absolute value. Usage: Abs(x). Example: Abs(-6.4) = 6.4.
Ceil()	Ceiling function. Usage: Ceil(x). Examples: Ceil(3.1) = 4, Ceil(-3.1) = 3.
Floor()	Floor function. Usage: Floor(x). Examples: Floor(3.1) = 3, Floor(-3.1) = 4.
If()	If structure. Usage: If(condition, value_if_true, value_if_false). Example: If(2<1, [Order lines], [Revenue]) = [Revenue].
Exp()	Exponential function. Usage: Exp(x). Example: Exp(2.4) = 11.0232.
Ln()	Natural logarithm. Usage: Ln(x). Example: Ln(11) = 2.3979.
Log()	Base-10 logarithm. Usage: Log(x). Example: Log(1000) = 3.0.

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LogN()	Base-N logarithm. Usage: LogN(N, x) where N is the base. Example: LogN(2, 32) = 5.0.
Mod()	Modulo operator. Usage: Mod(a, N) where N is the modulus. Example: Mod(17, 5) = 2.
Pow()	Power function. Usage: Pow(b, p) where b is the base, p the power. Example: Pow(1.5, 3) = 3.375.
Rnd()	Random number between 0 and 1 Usage: Rnd(x).
Sign()	Sign function. Usage: Sign(x). Examples: Sign(3.2) = 1, Sign(-3.2) = -1, Sign(0) = 0.
Sqr()	Square function. Usage: Sqr(x). Example: Sqr(-1.5) = 2.25.
Trunc()	Discards the fractional part of a number. Usage: Trunc(x). Example: Trunc(-6.4) = -6, Trunc(6.4) = 6.