QLIKVIEW - Function Chart Summary

Basic Aggregation Functions

sum()
min()
max()
only()
mode()
firstsortedvalue ([distinct] expression [, sort-weight [, n]])

String Aggregation Functions

MinString()
MaxString()
FirstValue(expression)
LastValue(expression)
concat ([distinct] expression [, delimiter [, sort-weight]])

Counter Aggregation Functions

count([distinct] expression | *)
NumericCount([distinct] expression)
TextCount([distinct] expression)
NullCount([distinct] expression)
MissingCount([distinct] expression)

Advanced Aggregation

aggr ([distinct | nodistinct] [{set_expression}]expression {,dimension})

Inter Record Functions

exists(field [, expression])
previous(expression)
peek(fieldname [, row [, tablename]])
FieldValue(fieldname , n)
FieldIndex(fieldname , value)
lookup(fieldname, matchfieldname, matchfieldvalue [, tablename])

Statistical Aggregation Functions in Script
fractile(expression, fractile)
fractile(Grade, 0.75)
kurtosis([distinct] expression)
correl(x-expression, y-expression)
avg([distinct] expression)
stdev([distinct] expression)
skew([distinct] expression)
median (expression)
sterr ([distinct] expression)
steyx (y-expression, x-expression)
linest_m (y-expression, x-expression [, y0 [, x0]])
linest_b (y-expression, x-expression [, y0 [, x0]])
linest_r2 (y-expression, x-expression [, y0 [, x0]])
linest_sem (y-expression, x-expression [, y0 [, x0]])
linest_seb (y-expression, x-expression [, y0 [, x0]])
linest_sey (y-expression, x-expression [, y0 [, x0]])
linest_df (y-expression, x-expression [, y0 [, x0]])
linest_ssreg (y-expression, x-expression [, y0 [, x0]])
linest_f (y-expression, x-expression [, y0 [, x0]])
linest_ssresid (y-expression, x-expression [, y0 [, x0]])

Financial Aggregation Functions in Script
irr(expression)
xirr (valueexpression, dateexpression)
npv (rate, expression)
xnpv (rate, valueexpression, dateexpression)

Exponential and Logarithmic Functions
exp(x)
log(x)
log10(x)
sqrt(x)
sqr (x)
pow(x,y)

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Statistical Test Functions in Script
chi2test_p (col, row, observed_value [, expected_value])
chi2test_df (col, row, observed_value [, expected_value])
chi2test_chi2 (col, row, observed_value [, expected_value])
TTest_t (group, value [, eq_var = true])
TTest_df (group, value [, eq_var = true])
TTest_sig (group, value [, eq_var = true])
TTest_dif (group, value [, eq_var = true])
TTest_sterr (group, value [, eq_var = true])
TTest_conf (group, value [, sig = 0.025 [, eq_var = true]])
TTest_lower (group, value [, sig = 0.025 [, eq_var = true]])
TTest_upper (group, value [, sig = 0.025 [, eq_var = true]])
TTestw_t (weight, group, value [, eq_var = true])
TTestw_df (weight, group, value [, eq_var = true])
TTestw_sig (weight, group, value [, eq_var = true])
TTestw_dif (weight, group, value [, eq_var = true])
TTestw_sterr (weight, group, value [, eq_var = true])
TTestw_conf (weight, group, value [, sig = 0.025 [, eq_var =true]])
TTestw_lower (weight, group, value [, sig = 0.025 [, eq_var =true]])
TTestw_upper (weight, group, value [, sig = 0.025 [, eq_var =true]])
TTest1_t (value)
TTest1_df (value)
TTest1_sig (value)
TTest1_dif (value)
TTest1_sterr (value)
TTest1_conf (value [, sig = 0.025])
TTest1_lower (value [, sig = 0.025])
TTest1_upper (value [, sig = 0.025])
TTest1w_t (weight, value)
TTest1w_df (weight, value)
TTest1w_sig (weight, value)
TTest1w_dif (weight, value)
TTest1w_sterr (weight, value)
TTest1w_conf (weight, value [, sig = 0.025])
TTest1w_lower (weight, value [, sig = 0.025])
TTest1w_upper (weight, value [, sig = 0.025])
ZTest_z (value [, sigma])
ZTest_sig (value [, sigma])
ZTest_dif (value [, sigma])
ZTest_sterr (value [, sigma])
ZTest_conf (value [, sigma [, sig = 0.025])
ZTestw_z (weight, value [, sigma])
ZTestw_sig (weight, value [, sigma])
ZTestw_sterr (weight, value [, sigma])

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Chart General Numeric Functions
div(x1 , x2)
mod(x1 , x2)
fmod(x1 , x2)
ceil(x [, base [, offset]])
floor(x [, base [, offset]])
frac(x)
round(x [, base [, offset]])
fabs(x)
numsum(expr1 [, expr2, ... exprN])
numcount(expr1 [, expr2, ... exprN])
numavg(expr1 [, expr2, ... exprN])
nummin(expr1 [, expr2, ... exprN])
nummax(expr1 [, expr2, ... exprN])
fact(n)
combin(n1, n2)
permut(n1, n2)
even(n)
odd(n)
sign(x)
bitcount(i)

Trigonometric and Hyperbolic Functions
cos(x)
acos(x)
sin(x)
asin(x)
tan(x)
atan(x)
atan2(y,x)
cosh(x)
sinh(x)
tanh(x)

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Chart Range Functions
rangesum(expr1 [, expr2, ... exprN])
rangeavg(expr1 [, expr2, ... exprN])
rangecount(expr1 [, expr2, ... exprN])
rangemin(expr1 [, expr2, ... exprN])
rangemax(expr1 [, expr2, ... exprN])
rangestdev(expr1 [, expr2, ... exprN])
rangeskew(expr1 [, expr2, ... exprN])
rangekurtosis(expr1 [, expr2, ... exprN])
rangefractile(fractile ,expr1 [, expr2, ... exprN])
rangenumericcount(expr1 [, expr2, ... exprN])
rangetextcount(expr1 [, expr2, ... exprN])
rangenullcount(expr1 [, expr2, ... exprN])
rangemissingcount(expr1 [, expr2, ... exprN])
rangeminstring(expr1 [, expr2, ... exprN])
rangemaxstring(expr1 [, expr2, ... exprN])
rangemode(expr1 [, expr2, ... exprN])
rangeonly(expr1 [, expr2, ... exprN])
rangecorrel(x-value , y-value { , x-value , y-value})
rangeirr(value { ,value})
rangenpv (rate, value { ,value})
rangexirr(value, date { ,value, date})
rangexnpv(rate, value, date { ,value, date})

Statistical Distribution Functions
chidist (value, degrees_freedom)
chiinv (prob, degrees_freedom)
normdist (value, mean, standard_dev)
norminv (prob, mean, standard_dev)
tdist (value, degrees_freedom, tails)
tinv (prob, degrees_freedom)
fdist (value, degrees_freedom1, degrees_freedom2)
finv (prob, degrees_freedom1, degrees_freedom2)

Financial Functions
fv(rate, nper, pmt [,pv [, type]])
nper(rate, pmt, pv [,fv [, type]])
pmt(rate, nper, pv [,fv [, type]])
pv(rate, nper, pmt [,fv [, type]])
rate(nper, pmt , pv [,fv [, type]])

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Black and Schole

BlackAndSchole(strike , time_left , underlying_price , vol , risk_free_rate , type)

Mathematical Constants and Parameter   (Free Functions)

e( )

pi( )

rand( )

true( )

false( )

Counter Functions

RecNo( )

RowNo( )

autonumber(expression[, AutoID])

autonumberhash128(expression {, expression})

autonumberhash256(expression {, expression})

fieldvaluecount(fieldname)

Mapping Functions

applymap('mapname', expr [, defaultexpr])

mapsubstring('mapname', expr)

Conditional Functions

if(condition , then , else)

alt(case1[, case2 , case3 , ...] , else)

pick(n, expr1[, expr2,...exprN])

match(str, expr1 [, expr2,...exprN])

mixmatch(str, expr1 [, expr2,...exprN])

wildmatch(str, expr1 [, expr2,...exprN])

class(expression, interval [, label [, offset]])

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String Functions
ord(s)
chr(n)
len(s)
left(s , n)
right(s , n)
mid(s, n1[, n2])
index(s1 , s2[, n])
upper(textexpression)
lower(textexpression)
repeat(s, n)
subfield(s, 'delimiter' [, index])
ltrim(s)
rtrim(s)
trim(s)
KeepChar(s1 , s2)
PurgeChar(s1, s2)
capitalize(s)
evaluate(s)
TextBetween(s , beforetext , aftertext [, n])
Replace(s, fromstring ,tostring)
FindOneOf(text , characterset [, n])
hash256(expression {, expression})
hash160(expression {, expression})
hash128(expression {, expression})

File Functions in Script
Attribute(filename, attributename)
ConnectString()
filebasename()
filedir()
fileextension()
filename()
filepath()
filesize()
filetime([filename])
GetFolderPath()
QvdCreateTime(filename)
QvdNoOfRecords(filename)
QvdNoOfFields(filename)
QvdFieldName(filename , fieldno)
QvdTableName(filename)

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System Functions
ClientPlatform( )
OSuser( )
QVuser( )
ComputerName( )
ReloadTime( )
GetActiveSheetID()
GetCurrentField(groupname)
GetCurrentSelections([recordsep [, tagsep [, valuesep [, maxvalues=6]]]])
GetFieldSelections(fieldname [, valuesep [, maxvalues=6]])
GetSelectedCount(fieldname [, includeexcluded=false])
GetPossibleCount(fieldname)
GetExcludedCount(fieldname)
GetAlternativeCount(fieldname)
GetNotSelectedCount(fieldname [, includeexcluded=false])
GetRegistryString(path, key)
qlikviewversion()
MsgBox(str msg [, str caption [, mb_buttons [, mb_icons[, mb_defbutton]]]])
Input(str cue [, str caption])
DocumentName( )
DocumentPath( )
DocumentTitle( )
GetObjectField ([index])
GetExtendedProperty (name[, objectid])

Table Functions
FieldName(nr ,'TableName')
FieldNumber('field ' ,'TableName')
NoOfFields(['TableName '])
NoOfRows(['TableName '])
NoOfTables()
TableName(['TableNumber'])
TableNumber(['TableName'])

Document Functions
ReportComment(report_number)
ReportName(report_number)
ReportID(report_number)
ReportNumber(report_id_or_name)
NoOfReports()

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Date and Time Functions
second(expr)
minute(expr)
hour(expr)
day(date)
week(date)
month(date)
year(date)
weekyear(date)
weekday(date)
now([timer_mode])today([timer_mode])
LocalTime([timezone [, ignoreDST]])
MakeDate(YYYY [, MM [, DD]])
MakeWeekDate(YYYY [, WW [, D]])
MakeTime(hh [, mm [, ss [.fff]]])
AddMonths(startdate, n , [, mode])
YearToDate(date [, yearoffset [, firstmonth [, todaydate]]])
TimeZone( )
GMT( )
UTC( )
DaylightSaving( )
SetDateYear (timestamp, year)
SetDateYearMonth (timestamp, year, month)
InYear (date, basedate , shift [, first_month_of_year = 1])
InYearToDate (date, basedate , shift [, first_month_of_year = 1])
InQuarter (date, basedate , shift [, first_month_of_year = 1])
InQuarterToDate (date, basedate , shift [, first_month_of_year =1])
InMonth (date, basedate , shift)
InMonthToDate (date, basedate , shift)
InMonths (n, date, basedate , shift [, first_month_of_year = 1])
InMonthsToDate (n, date, basedate , shift [, first_month_of_year =1])
InWeek (date, basedate , shift [, weekstart])
InWeekToDate (date, basedate , shift [, weekstart])
InLunarWeek (date, basedate , shift [, weekstart])
InLunarWeekToDate (date, basedate , shift [, weekstart])
InDay (timestamp, basetimestamp , shift [, daystart])
InDayToTime (timestamp, basetimestamp , shift [, daystart])
YearStart(date [, shift = 0 [, first_month_of_year = 1]])
YearEnd(date [, shift = 0 [, first_month_of_year = 1]])

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Number Interpretation Variables
ThousandSep
DecimalSep
MoneyThousandSep
MoneyDecimalSep
MoneyFormat
TimeFormat
DateFormat
TimestampFormat
MonthNames
LongMonthNames
DayNames
LongDayNames

Formatting Functions
num(expression [, format-code [, decimal-sep [, thousands-sep]
money(expression [, format-code [, decimal-sep [, thousands-sep]]])
date(expression [, format-code])
time(expression [, format-code])
dual(s , x)
interval(expression [, format-code])
timestamp(expression [, format-code])

Logical Functions
IsNum(expr)
IsText(expr)
IsPartialReload( )

NULL Functions
Null( )
IsNull(expr)

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Color Functions
color (n)
RGB (e1, e2, e3)
ARGB(alpha, e1, e2, e3)
HSL (hue, saturation, luminosity)
black( )
darkgray( )
lightgray( )
white( )
blue( )
lightblue( )
green( )
lightgreen( )
cyan( )
lightcyan( )
red( )
lightred( )
magenta( )
lightmagenta( )
brown( )
yellow( )
qliktechgray( )
Colormix1(Value , ColorZero , ColorOne)
syscolor(nr)
qliktechblue( )