

Formula syntax

Data assimilation and visualisation

Formula	Syntax	Examples
AVERAGE	AVERAGE(*value1* , *value2* ,...) AVERAGE(*array*) AVERAGE(*array1* , *array2* ,...)	AVERAGE(A1,B3,D5,E9,L8,L9) AVERAGE(R1C1,R3C2) AVERAGE(A1:A9) AVERAGE(A1:A9,B1:B9,D5:D8) AVERAGE(98,72,85)
COUNTIF	COUNTIF(cellrange, condition)	COUNTIF(A1:G5,"test") COUNTIF(R6C3:R9C4,"<2")
COUNTIFS	COUNTIFS(cellrange, condition)	COUNTIFS(A1:G5,"test",B3:D3,"=Yes") COUNTIFS(R6C3:R9C4,"<2")
IF	IF(valueTest, valueTrue, valueFalse)	IF(A3<>2000,1900,2000) IF(R1C2>65,1000,2000) IF(C4,B2,B4) IF(1>2,5,10) IF(1<2,""dogs"" ,""cats"")
IFS	IFS(condition, value1, [condition2, value2],...)	IFS(A2 89,"A",A2 79,"B")
RANK	RANK(number, array, order)	RANK(B3,B1:B8,1) RANK(R3C2,R1C2:R8C2,1)
SUM	SUM(value1, value2,...) SUM(array) SUM(array1, array2,...)	SUM(A1,B7,C11) SUM(A1:A9) SUM(A2:A14,B2:B18,D12:D30) SUM(R1C2,R3C5,R6C2,R1C7) SUM(95,89,73,87,85,76,100,96,96)
SUMIF	SUMIF(array, condition, sumrange)	SUMIF(A1:B7,">150",C1:C11) SUMIF(A1:A9,">150")
SUMIFS	SUMIFS(array, conditionarray, condition,...)	SUMIFS(A1:A10, B1:B10,">0",C1:C10,"<10")
TREND	TREND(y, x, newx, constant)	TREND(A2:A7,C2:C7,A9:A10)

Statistical analysis

Formula	Syntax	Examples
CORRELATION	CORREL(array1, array2)	CORREL(C1:C10,D1:D10) CORREL(R1C3:R10C3,R1C4:R10C4) CORREL({5,10,15,20,25},{4,8,16,32,64}) CORREL({73000,45000,40360},{42,70,40})
STD DEV	STDEV(value1, value2,...)	STDEV(A1,B2,C3,D4,E5,F6) STDEV(A1:A9) STDEV(R1C2,R3C4,R4C5,R7C2) STDEV(95,89,73,87,85,76,100,96,96)

Financial functions

Formula	Syntax	Examples
IRR	IRR(arrayvals, estimate)	IRR(D1:D6) IRR(R1C4:R6C4, -.02)
MIRR	MIRR(arrayvals, payment_int, income_int)	MIRR(D1:D6, D10, D12) MIRR(R1C4:R6C4, R10C4, R12C4) MIRR({7300,-15000,4036,3050},6.5%,8%)
XIRR	XIRR(values, dates, guess)	XIRR(B2:B6,C2:C6,0.2)
NPV	NPV(discount, value1, value2,...)	NPV(0.065,D12:D19) NPV(R1C1,R12C4:R19C4) NPV(6.5%, -10000, 3000, 3400, 7700)
POWER	POWER(number, power)	POWER(A3,B4) POWER(R1C2,3) POWER(16,3)
PV	PV(rate, numper, paymt, fval, type)	PV(B1/12,N24,-75,0,1) PV(R1C1/12,48,R1C2,0,0) PV(0.005,60,-100,0,1)
RATE	RATE(nper, pmt, pval, fval, type,guess)	RATE(A1,B2,C3,C4,1) RATE(360, -600, 80000)