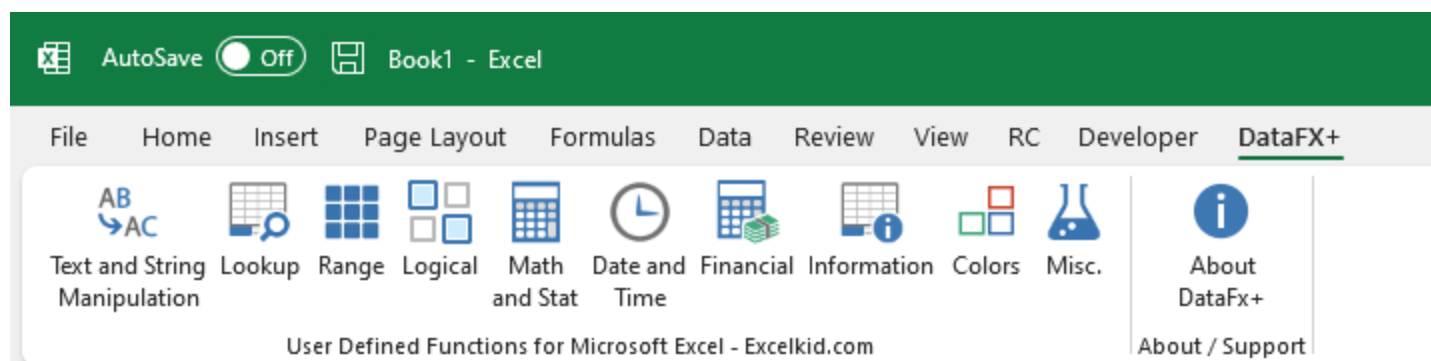


DataFX for Excel

Financial functions



F_CAGR

D7		: ✕ ✓ <i>fx</i>		=F_CAGR(E2:H2)				
	A	B	C	D	E	F	G	H
1								
2		Function		<i>rValuesRange</i>	100	110	120	140
3		F_CAGR						
4								
5		Syntax						
6		=F_CAGR(<i>rValuesRange</i>)		fCAGR	Formula			
7				12%	=F_CAGR(E2:H2)			
8								
9		Calculate CAGR from a range of cells						
10								

F_CAGR2

D7

fx

=F_CAGR2(D3,E3,F3,G3)

	A	B	C	D	E	F	G
1							
2		Function		dStartvalue	dEndValue	sStartYear	dEndYear
3		F_CAGR2		100	150	2020	2024
4							
5		Syntax					
6		=F_CAGR2(dStartValue,dEndValue,dStartYear,dEndYear)		FCAGR2	Formula		
7				10.67%	=F_CAGR2(D3,E3,F3,G3)		
8							
9		Calculate CAGR from start and end values					
10							
11							

F_DEPRECIATION

E7		=F_DEPRECIATION(\$E\$2:E2,\$E\$3)												
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2		Function		rCapex	10	20	10	5	0	0	0	0	0	
3		F_DEPRECIATION		dDepreciationPeriod	7									
4														
5		Syntax												
6		=F_DEPRECIATION(rCapex,dDepreciationPeriod)												
7				Depreciation	1.43	4.29	5.71	6.43	6.43	6.43	6.43	5.00	2.14	0.71
8														
9		Calculate depreciation												
10				Formula										
11				=F_DEPRECIATION(\$E\$2:E2,\$E\$3)										
12														

F_EXTENDAP

D7		=SUM(F_EXTENDAP(E2:F2,E3,E4))				
	A	B	C	D	E	F
1						
2		Function		vInput	10	10
3		F_EXTENDAP		iPeriods	3	
4				dGrowthRate	5	
5		Syntax				
6		=F_EXTENDAP(vInput,iPeriods,dGrowthRate)		sum(ExtendAP)	Formula	
7				80	=SUM(F_EXTENDAP(E2:F2,E3,E4))	
8						
9		Extend range of values as Arithmetic progression				
10						
11						
12						

F_EXTENDGP

D7		: ✕ ✓ <i>fx</i>		=SUM(F_EXTENDGP(E2:F2,E3,E4))			
	A	B	C	D	E	F	G
1							
2		Function		vInput	10	10	
3		F_EXTENDGP		iPeriods	3		
4				dGrowthRate	1.05		
5		Syntax					
6		=F_EXTENDGP(vInput,iPeriods,dGrowthRate)		sum(ExtendGP)	Formula		
7				53	=SUM(F_EXTENDGP(E2:F2,E3,E4))		
8							
9		Extend range of values as Geometric progression					
10							
11							
12							

F_INCOMETAX

E6		✕ ✓ <i>fx</i>		=F_INCOMETAX(\$E\$2:E2,\$E\$3,\$E\$4)							
	A	B	C	D	E	F	G	H	I	J	K
1											
2		Function		<i>rProfitRange</i>	5	10	-10	15	20	20	
3		F_INCOMETAX		<i>dTaxRate</i>	20.00%						
4				<i>dPriorProfitsAndLosses</i>	-7						
5		Syntax									
6		=F_INCOMETAX(<i>rProfitRange</i> , <i>dTaxRate</i> , <i>dPriorProfitsAndLosses</i>)		F_INCOMETAX	0	1.6	0	1	4	4	
7											
8											
9		Calculate income tax		Formula							
10				=F_INCOMETAX(\$E\$2:E2,\$E\$3,\$E\$4)							
11											

F_LIMIT

D10		✖ ✓ <i>fx</i>		=FORMULATEXT(E6)				
	A	B	C	D	E	F	G	H
1								
2		Function		varInput	3	6	9	
3		F_LIMIT		varLimit1	4	4	4	
4				varLimit2	7	7	7	
5		Syntax						
6		=F_LIMIT(varInput,varLimit1,varLimit2)		F_LIMIT	4	6	7	
7								
8								
9		Limit parameter value in target range		Formula				
10				=F_LIMIT(E2,E3,E4)				
11								

F_PAYOUT

E7		✕ ✓ <i>fx</i>		=F_PAYOUT(E3,F3:\$J\$3,\$E\$4,\$E\$5)						
	A	B	C	D	E	F	G	H	I	J
1										
2		Function			dPayoutBase	rFutureCashFlow				
3		F_PAYOUT			10	10	-10	30	30	-40
4			dWACC	10%						
5		Syntax	dMinCashLimit	5						
6										
7		=F_PAYOUT(dPayoutBase, rFutureCashFlow, dWACC, dMinCashLimit)	F_PAYOUT	6.694	0	0	20.08264463			
8										
9										
10			Formula							
11			=F_PAYOUT(E3,F3:\$J\$3,\$E\$4,\$E\$5)							
12		Calculate payable sum from available cash flow and future cash flows								
13										
14										

F_PBP

E7		✕ ✓ <i>fx</i>		=F_PBP(E3:I3,E4,E5)						
	A	B	C	D	E	F	G	H	I	J
1										
2		Function								
3		F_PBP		<i>varCashFlowRange</i>	-50	15	15	15	15	
4				<i>varDiscountRate</i>	20%					
5		Syntax		<i>varGrowthRate</i>	1.05					
6		=F_PBP(<i>varCashFlowRange</i> , <i>varDiscountRate</i> , <i>varGrowthRate</i>)								
7				F_PBP	5.87					
8										
9		<i>Calculate simple and discounted payback periods</i>								
10				Formula						
11				=F_PBP(E3:I3,E4,E5)						
12										

F_PI

E7		✕ ✓ <i>fx</i>		=F_PI(E3:I3,E4)						
	A	B	C	D	E	F	G	H	I	J
1										
2		Function								
3		F_PI		varCashFlowRange	-50	30	30	30	30	
4				varDiscountRate	20%					
5		Syntax								
6		=F_PI(varCashFlowRange,varDiscountRate)								
7				F_PI	1.55					
8										
9		Calculate Profitability Index (PI)								
10				Formula						
11				=F_PI(E3:I3,E4)						
12										
13										