

10 EXCEL FUNCTIONS YOU SHOULD KNOW

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1. = **SUMIFS()**

SUMIFS function adds all of its arguments that meet multiple criteria. For example, you would use SUMIFS in your financial model to sum up the sales of (1) a specific employee (2) for a specific product.

=SUMIFS

(sum range (e.g. sales), criteria range 1 (e.g. criteria 1 (e.g. Tim). criteria range 2 (e.g. criteria 2, (e.g. Chairs))

	Product	Sales	
.aura	Tables	\$3,441	
Vike	Chairs	\$5,110	
Γim	Pillows	\$5,643	
Phoebe	Tables	\$4,921	
Γim	Chairs	\$4,839	
Phoebe	Chairs	\$3,768	
Vike	Chairs	\$4,707	
aura	Beds	\$5,361	
lim .	Chairs	\$3,304	
Phoebe	Tables	\$4,744	

Know your IFs, COUNTIFs, AVERAGEIFs and all other IFs too after all, financial modeling is just a series of IFs that could happen in this world.

2. =IFERROR()

Use IFERROR function to format your financial models. The function checks for errors and returns the value specified by the user if found. The function checks for the following errors: #N/A, #VALUE!, #REF!, #DIV/0!, #NUM!, #NAME? or #NULL!.

=IFERROR(value, value_if_error)					
Month	Total Wages Allocated	Employees	Wage		
Jan	\$3,200	2	\$1,600		
Feb	\$1,600	1	\$1,600		
Mar (shop closed)	\$0	0	=IFERROR(D10/E10,0)		
IFERROR(value, value					
No IFFERROR #DIV/0!					
		IFERROR	\$0		

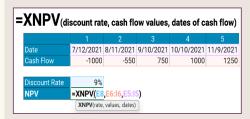
3. =XIRR()

Internal rate of return metric is needed to find out the annual growth rate of an investment. The higher the IRR, the better the investment (keeping all other factors the same, of course). IRR is good for comparing different investment opportunities.

		3	4	5
7/12/2021	8/11/2021	9/10/2021	10/10/2021	11/9/202
-1000	-550	750	1000	125
				7/12/2021 8/11/2021 9/10/2021 10/10/2021 -1000 -550 750 1000

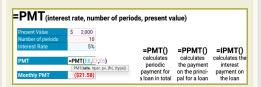
4. =XNPV()

Finance is money and we all know that money today is worth more than tomorrow. Financial analysts oftentimes have to calculate the value of an investment/company/ project in today's terms.



5. =PMT()

PMT function calculates the payment for a loan based on constant payments and a constant interest rate. You have to know the present loan value, number of periods and the interest rate. PMT, PPMT and IPMT functions are needed to figure out annuity loan repayments (e.g. mortgage)



Unlike IRR and NPV, XIRR and XNPV functions allow for payments at irregular intervals

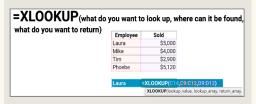
6. =SLOPE()

If you're into investment banking, at some point you'll have to calculate the Beta of a stock, which means volatility. By using the SLOPE function in Excel, you'll find it easily by using the returns of the stock and the comparative benchmark index.



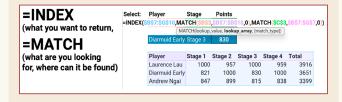
7. =XLOOKUP

Lookup functions are a must to know for any modeler. They are used to quickly and easily find data in a table, for example, to find the amount sold by an employee, ID number, and thousands of other things.



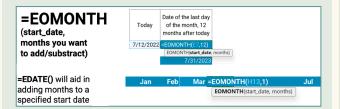
8. =INDEX() & MATCH()

Sometimes, XLOOKUP won't do the job, as it can only compare one array with another one. Index and Match function combination can look up values in the whole table - it's 2 Dimensional.



9. =EOMONTH()

EOMONTH function finds the last day of the month after you add a specific number of months to a date. It's useful for calculating maturity dates or due dates that fall on the last day of the month. It also aids in setting up your financial model.



10. =SEQUENCE

The SEQUENCE function allows you to generate a list of sequential numbers in an array. SEQUENCE function works great if you need to generate a list of 10,000 numbers in a column.

=SEQUENCE (number of rows you want to generate, number of
columns you want to generate, starting point, step)

=SEQUENC	E(5,5)	3	4	5
SEQUENC	[step]) 9	10		
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25