EXCEL DYNAMIC ARRAYS

👉 **Download in hi-res here**: https://bit.ly/excel-da
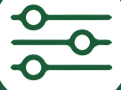
FILTER
📌 Returns a range filtered on criteria you define.

📊 **Syntax** - FILTER(array, include, [if_empty])

`=FILTER(B11:F16, E11:E16="Won", "No Wins")`

Date	Opponent	Score	Result	Competition
9/30/23	Crystal Palace	0-1	Lost	English Premier League
9/27/23	Crystal Palace	3-0	Won	English Carabao Cup
9/24/23	Burnley	1-0	Won	English Premier League
9/21/23	Bayern Munich	3-4	Lost	UEFA Champions League
9/16/23	Brighton & Hove Albion	1-3	Lost	English Premier League
9/3/23	Arsenal	1-3	Lost	English Premier League

👉 FILTER Masterclass: https://bit.ly/fn-filter

UNIQUE
📌 Returns unique values from a range or array.

📊 **Syntax** - UNIQUE(array, [compare_by_col], [occurs_once])

`=UNIQUE(C9:C14, FALSE, FALSE)`

Date	Opponent	Score	Result	Competition
9/30/23	Crystal Palace	0-1	Lost	English Premier League
9/27/23	Crystal Palace	3-0	Won	English Carabao Cup
9/24/23	Burnley	1-0	Won	English Premier League
9/21/23	Bayern Munich	3-4	Lost	UEFA Champions League
9/16/23	Brighton & Hove Albion	1-3	Lost	English Premier League
9/3/23	Arsenal	1-3	Lost	English Premier League

👉 UNIQUE Masterclass: https://bit.ly/da-unique

SORT
📌 Sorts a range or array based on a column index.

📊 **Syntax** - SORT(array, [sort_index], [sort_order], [by_col])

`=SORT(B10:F15, 5, 1, FALSE)`

Date	Opponent	Score	Result	Competition
9/30/23	Crystal Palace	0-1	Lost	English Premier League
9/27/23	Crystal Palace	3-0	Won	English Carabao Cup
9/24/23	Burnley	1-0	Won	English Premier League
9/21/23	Bayern Munich	3-4	Lost	UEFA Champions League
9/16/23	Brighton & Hove Albion	1-3	Lost	English Premier League
9/3/23	Arsenal	1-3	Lost	English Premier League

Date	Opponent	Score	Result	Competition
9/27/23	Crystal Palace	3-0	Won	English Carabao Cup
9/30/23	Crystal Palace	0-1	Lost	English Premier League
9/24/23	Burnley	1-0	Won	English Premier League
9/16/23	Brighton & Hove Albion	1-3	Lost	English Premier League
9/3/23	Arsenal	1-3	Lost	English Premier League
9/21/23	Bayern Munich	3-4	Lost	UEFA Champions League

👉 SORT Masterclass: https://bit.ly/da-sort

SORTBY
📌 Sorts a range or array based on the values in a corresponding array[s].

📊 **Syntax** - SORTBY(array, by_array1, [sort_order1], [[by_array2], [sort_order2]],...)

`=SORTBY(B8:F13, E8:E13, 1)`

Date	Opponent	Score	Result	Competition
9/30/23	Crystal Palace	0-1	Lost	English Premier League
9/27/23	Crystal Palace	3-0	Won	English Carabao Cup
9/24/23	Burnley	1-0	Won	English Premier League
9/21/23	Bayern Munich	3-4	Lost	UEFA Champions League
9/16/23	Brighton & Hove Albion	1-3	Lost	English Premier League
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9/3/23	Arsenal	1-3	Lost	English Premier League
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9/24/23	Burnley	1-0	Won	English Premier League

👉 SORTBY Masterclass: https://bit.ly/da-sortby

SEQUENCE
📌 Returns a list of sequential numbers

📊 **Syntax** - SEQUENCE(rows, [columns], [start], [step])

`=SEQUENCE(5, 6, 0, 3)`

A 5x 6 matrix that starts with 0 and has a step of 3					
0	3	6	9	12	15
18	21	24	27	30	33
36	39	42	45	48	51
54	57	60	63	66	69
72	75	78	81	84	87

👉 SEQUENCE Masterclass: https://bit.ly/da-sequence

RANDARRAY
📌 Returns an array of random numbers

📊 **Syntax** - RANDARRAY([rows], [columns], [min], [max], [integer])

`=RANDARRAY(5, 6, 0, 50, TRUE)`

5x 6 matrix starting at 0 generating random integers up to 50					
42	13	48	32	43	0
43	23	45	14	3	47
24	48	2	16	31	34
29	31	31	46	23	41
47	49	6	5	12	6

👉 RANDARRAY Masterclass: https://bit.ly/randarray

OPERATOR

The # operator is used to reference the entire spill range of a dynamic array.

Example: =SUM(A2#)

⚠ #SPILL! ERROR

#SPILL! Error - occurs when there is not enough space for a dynamic array to spill its results.

Solution: Clear or move obstructing data or formulas from the spill range