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Use of Average Formula and Function in MS Excel

Microsoft Excel

Module 19 - Use of Average Formula and Function in MS Excel

The Average Formula in MS Excel is used to calculate the average (or mean) of a group of numbers. It adds up all the numbers in a range and then divides the total by the number of values.

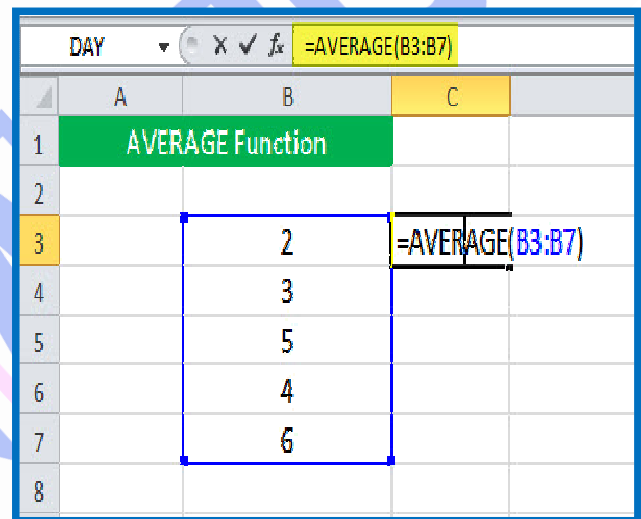
How to use it:

Formula:

The formula to calculate the average is:
=AVERAGE(number1, number2, ...)

We use the Average function in Excel for several important reasons:

- **Summarize Data:** The Average function helps summarize a set of numbers by finding the central value, making it easier to understand trends or patterns in the data.
- **Simplify Large Data Sets:** When you have a lot of numbers, calculating the average helps to condense them into a single value that represents the overall data.
- **Compare Values:** Averages are often used to compare different data sets. For example, you can compare the average sales of different months or the average test scores of different students.
- **Data Analysis:** It helps in analyzing data by giving you a quick idea of the typical value in a data set, which can be helpful in decision-making.
- **Identify Trends:** Averages are often used to spot trends over time, like changes in prices, sales, or performance, by comparing average values across different periods.
- **Quick Calculation:** The AVERAGE function automatically calculates the average, saving you time from doing manual calculations.



	A	B	C
1	AVERAGE Function		
2			
3		2	=AVERAGE(B3:B7)
4		3	
5		5	
6		4	
7		6	
8			

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AVERAGE Function

- Formula: =AVERAGE(range)
- Example: =AVERAGE(A1:A10)
- This is the most straightforward way to calculate the average of numbers in a range.

Difference Between Average Formula and Average Function

Aspect	AVERAGE Formula	AVERAGE Function
Definition	Refers to using a mathematical formula for calculating the average.	Refers to using Excel's built-in AVERAGE function to calculate the average.
Syntax	Can be written as =SUM(range)/COUNT(range)	Written as =AVERAGE(range)
Formula Type	Manual formula involving basic functions like SUM and COUNT.	Predefined function in Excel.
Ease of Use	More flexible but requires manual calculation steps.	Easier and quicker to use for finding averages.

Assignment

Make this Following Data Set, Calculate Sum and Average of each student

	A	B	C	D	E	F	G	H	I	J
1	Roll No	Student Name	English	Math	Science	History	Computer	Hindi	Sum	Average
2	1	Aarav Sharma	85	78	88	74	90	82		
3	2	Priya Verma	92	88	91	85	94	89		
4	3	Rohan Patel	76	69	73	70	80	75		
5	4	Sneha Iyer	89	95	92	88	96	90		
6	5	Arjun Nair	68	72	70	65	78	74		
7	6	Ananya Gupta	95	93	97	91	98	94		
8	7	Karan Singh	82	80	85	78	88	81		
9	8	Meera Joshi	74	77	72	79	84	76		
10	9	Devansh Reddy	90	85	88	83	91	87		
11	10	Ishita Chatterjee	88	92	90	86	93	89		
12										
13										

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