

How can I calculate the average time in Excel?

Authored by
stats writer

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Calculating the average time in Excel can be done easily by using the AVERAGE function. This function takes a range of time values and calculates the average, taking into account both the numerical value and the time format. To use this function, simply select the cells containing the time values and enter the formula "`=AVERAGE (cell range)`" into the desired cell. The result will be displayed in the format of "hh:mm:ss". This method can be used for various purposes such as tracking work hours, calculating commute times, or averaging event durations. It provides a quick and accurate way to determine the average time in Excel.

Calculate Average Time in Excel (With Examples)

You can use the following formula to calculate an average time value in Excel:

`=AVERAGE(A2:A11)`

This particular formula calculates the average time value in the range A2:A11 and assumes that each value in the range is in a valid time format.

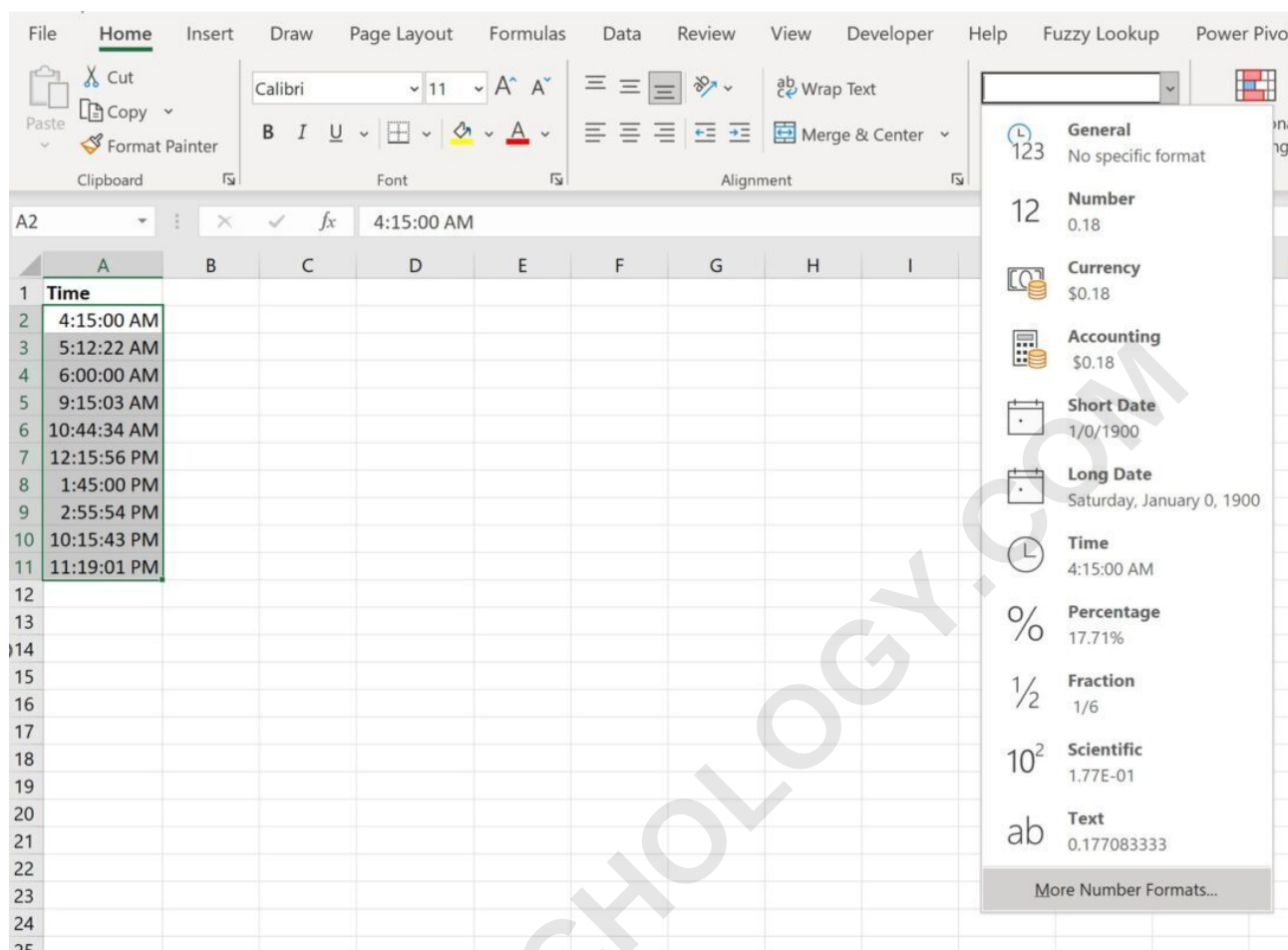
The following example shows how to use this formula in practice.

Example: Calculate Average Time in Excel

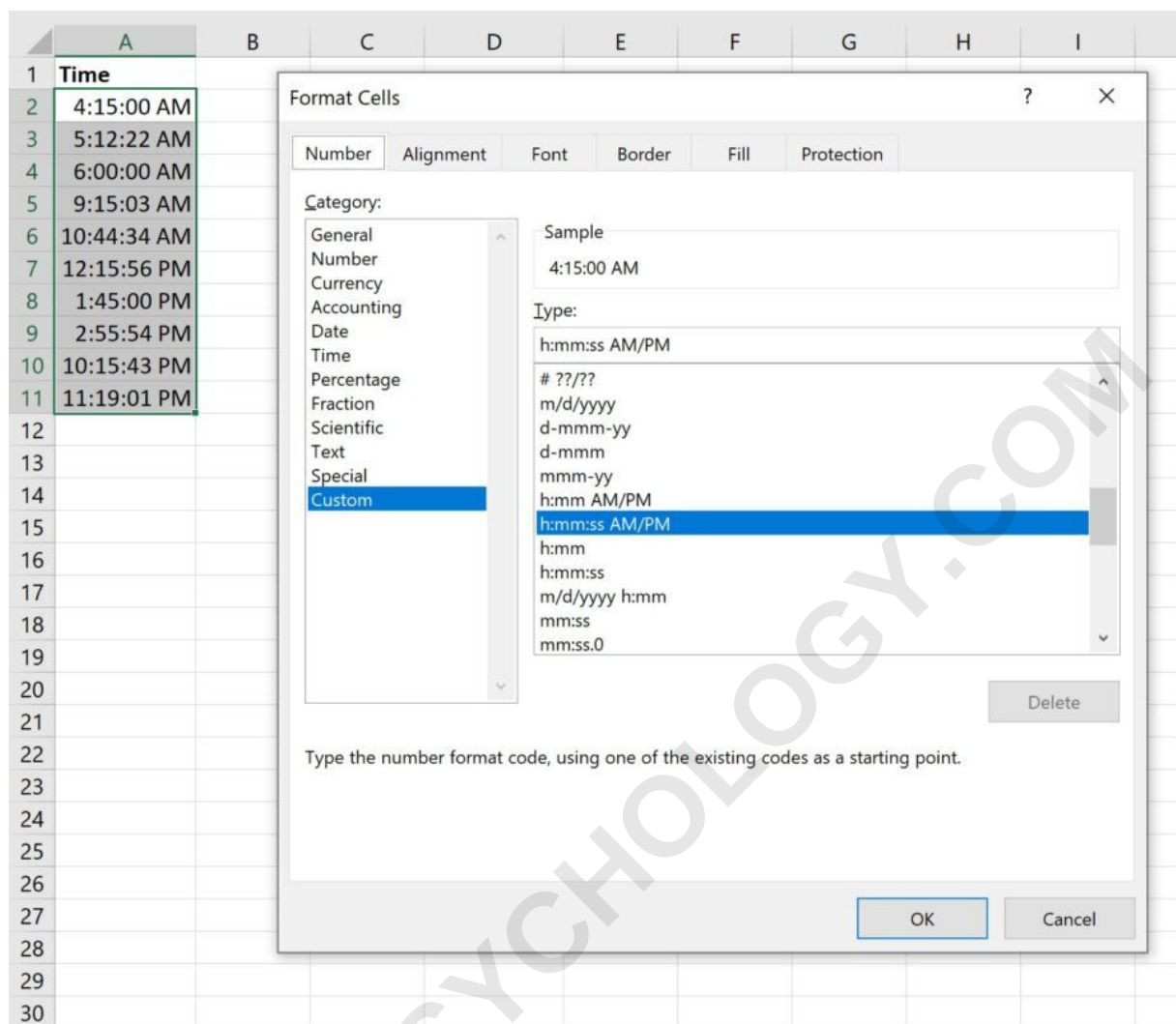
Suppose we have the following list of times in Excel:

	A	B	C	D	E
1	Time				
2	4:15:00 AM				
3	5:12:22 AM				
4	6:00:00 AM				
5	9:15:03 AM				
6	10:44:34 AM				
7	12:15:56 PM				
8	1:45:00 PM				
9	2:55:54 PM				
10	10:15:43 PM				
11	11:19:01 PM				
12					
13					
14					
15					
16					
17					
18					
19					
20					

To verify that the times are in a valid format, we can highlight the range A2:A11, then click the Number Format dropdown menu from the Number tab within the Home tab on the top ribbon:



Once we click More Number Formats, a new screen will appear that shows which format Excel has chosen for the values:



In this example, Excel has chosen **h:mm:ss AM/PM**, which is the correct time format.

If your time values are in another format, simply click on the appropriate format from the list of options.

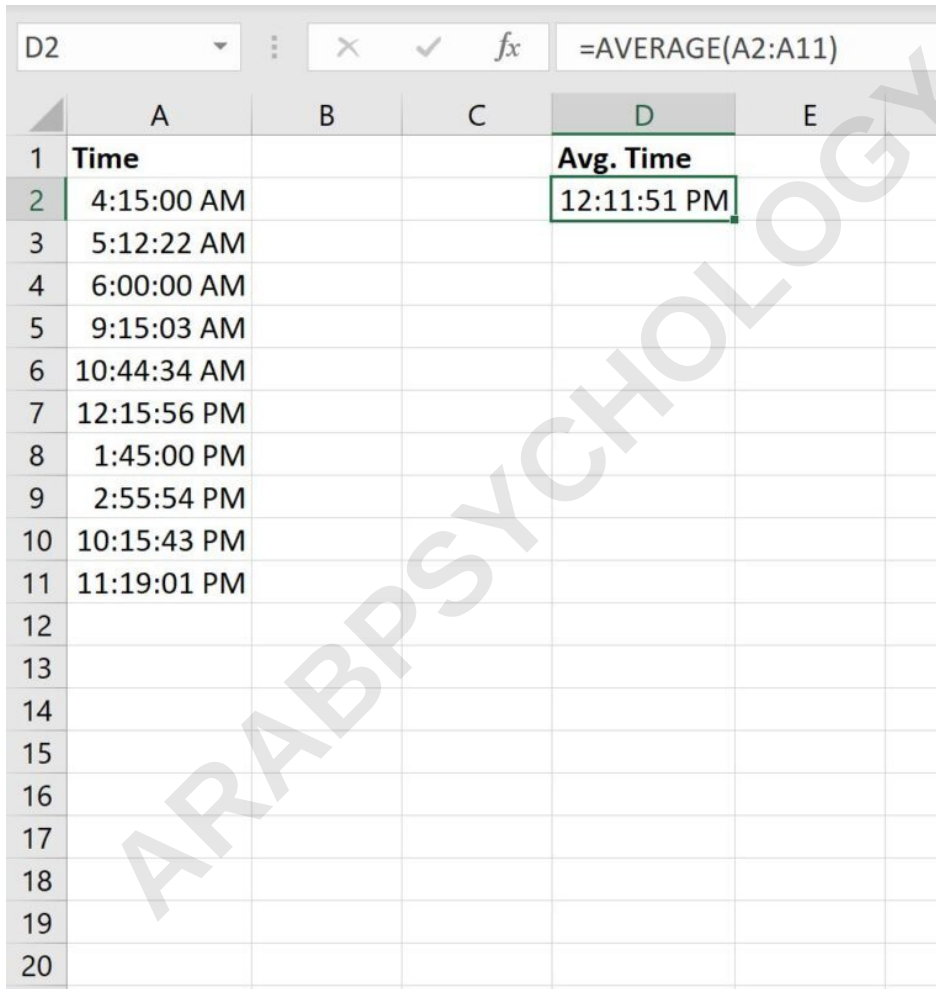
We can then click OK.

Next, we can use the following formula to calculate the

average time value:

=AVERAGE(A2:A11)

The following screenshot shows how to use this formula in practice:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E
1	Time			Avg. Time	
2	4:15:00 AM			12:11:51 PM	
3	5:12:22 AM				
4	6:00:00 AM				
5	9:15:03 AM				
6	10:44:34 AM				
7	12:15:56 PM				
8	1:45:00 PM				
9	2:55:54 PM				
10	10:15:43 PM				
11	11:19:01 PM				
12					
13					
14					
15					
16					
17					
18					
19					
20					

The formula bar at the top shows the formula `=AVERAGE(A2:A11)` entered in cell D2. The cell D2 is highlighted with a green border, and the result `12:11:51 PM` is displayed in the cell.

We can see that the average time is 12:11:51 PM.

Example: Calculate Average Time with Condition in Excel

We can also use an **AVERAGEIF** function to calculate the average time based on a condition in Excel.

For example, we can use the following formula to calculate the average time only for the times that occur after 12 PM:

=AVERAGEIF(A2:A11, ">12:00:00 PM")

The following screenshot shows how to use this formula in practice:

D2				=AVERAGEIF(A2:A11, ">12:00:00 PM")			
	A	B	C	D	E	F	G
1	Time			Avg. Time After 12PM			
2	4:15:00 AM			0.72105093			
3	5:12:22 AM						
4	6:00:00 AM						
5	9:15:03 AM						
6	10:44:34 AM						
7	12:15:56 PM						
8	1:45:00 PM						
9	2:55:54 PM						
10	10:15:43 PM						
11	11:19:01 PM						
12							
13							
14							
15							
16							
17							
18							
19							

Excel returns a numerical value, but we can click the Number Format dropdown menu again and click Time to convert this numeric value to a time value:

D2				=AVERAGEIF(A2:A11, ">12:00:00 PM")			
	A	B	C	D	E	F	G
1	Time			Avg. Time After 12PM			
2	4:15:00 AM			5:18:19 PM			
3	5:12:22 AM						
4	6:00:00 AM						
5	9:15:03 AM						
6	10:44:34 AM						
7	12:15:56 PM						
8	1:45:00 PM						
9	2:55:54 PM						
10	10:15:43 PM						
11	11:19:01 PM						
12							
13							
14							
15							
16							
17							
18							
19							

The average time among the times that occur after 12 PM is 5:18:19 PM.

The following tutorials explain how to perform other common operations in Excel: