

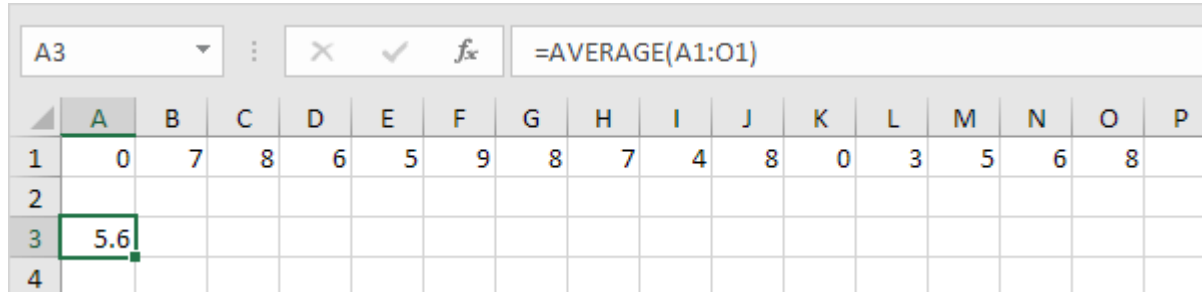
## Lesson no. 11: Statistical Function in Excel

### Statistical Functions

This chapter gives an overview of some very useful statistical functions in Excel.

#### Average

To calculate the average of a group of numbers, use the AVERAGE function.

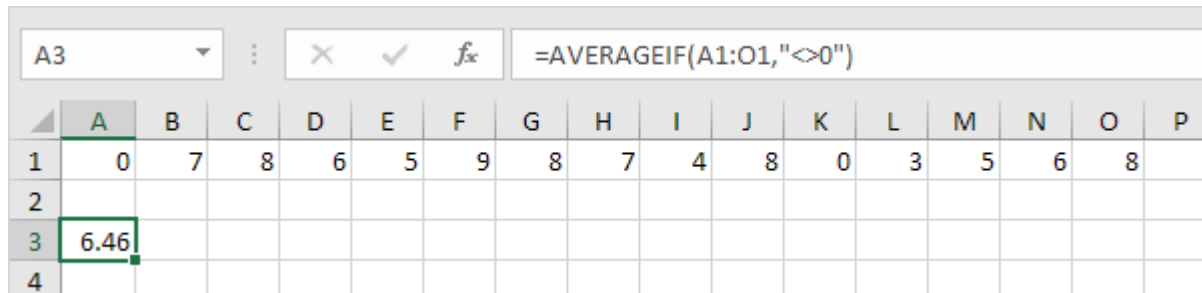


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8	
2																
3	5.6															
4																

Note: visit our page about the [AVERAGE function](#) for many more examples.

#### Averageif

To average cells based on one criteria, use the AVERAGEIF function. For example, to calculate the average excluding zeros.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8	
2																
3	6.46															
4																

Note: visit our page about the [AVERAGEIF function](#) for many more examples.

#### Median

To find the median (or middle number), use the MEDIAN function.

A3		=MEDIAN(A1:O1)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	6																
4																	

Check:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	0	0	3	4	5	5	6	6	7	7	8	8	8	8	9	

## Mode

To find the most frequently occurring number, use the MODE function.

A3		=MODE(A1:O1)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	8																
4																	

Standard Deviation

To calculate the standard deviation, use the STEDV function.

A3		=STDEV(A1:O1)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	2.82																
4																	

Note: standard deviation is a number that tells you how far numbers are from their mean. Learn more about this topic on our page about [standard deviation](#).

## Min

To find the minimum value, use the MIN function.

A3		=MIN(A1:O1)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	0																
4																	

## Max

To find the maximum value, use the MAX function.

A3		=MAX(A1:O1)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	9																
4																	

## Large

To find the third largest number, use the following LARGE function.

A3		=LARGE(A1:O1,3)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	8																
4																	

Check:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	0	0	3	4	5	5	6	6	7	7	8	8	8	8	9	

## Small

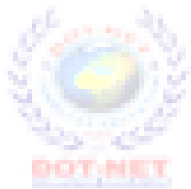
To find the second smallest number, use the following SMALL function.

A3		=SMALL(A1:O1,2)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	0	7	8	6	5	9	8	7	4	8	0	3	5	6	8		
2																	
3	0																
4																	

Check:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	0	0	3	4	5	5	6	6	7	7	8	8	8	8	9	

Tip: Excel can generate most of these results with the click of a button. Our Descriptive Statistics example shows you how.



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