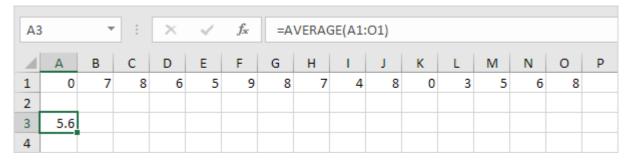
# Practical work 1 Statistical Functions

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

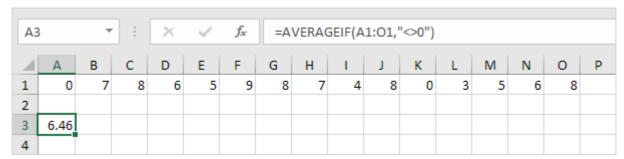
## Average

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



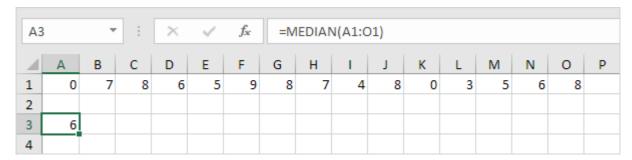
# Averageif

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



# Median

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

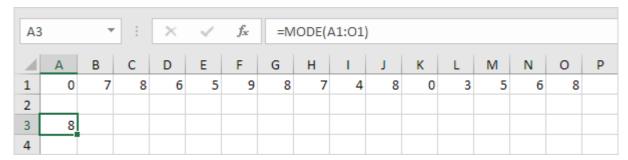


#### Check:

	Α	В	С	D	Е	F	G	Н	-1	J	K	L	М	N	0	Р
1	0	0	3	4	5	5	6	6	7	7	8	8	8	8	9	

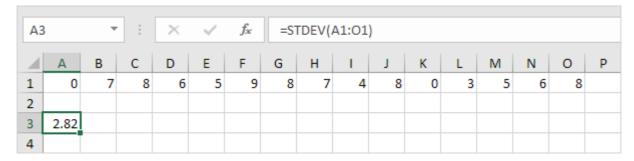
#### Mode

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



## Standard Deviation

To calculate the standard deviation, use the STEDV function.



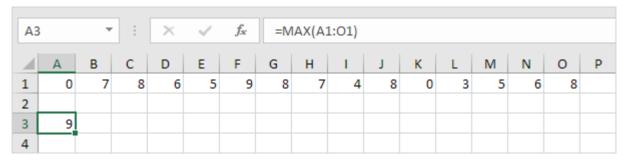
#### Min

To find the minimum value, use the MIN function.



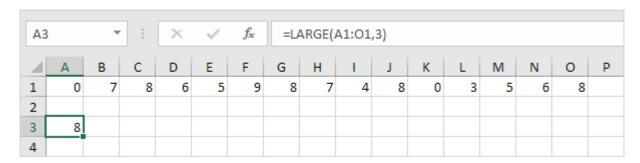
### Max

To find the maximum value, use the MAX function.



## Large

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

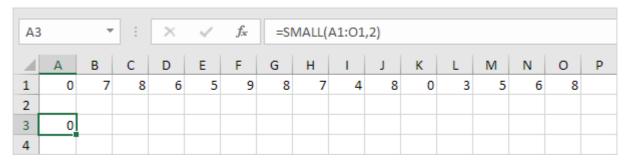


#### Check:

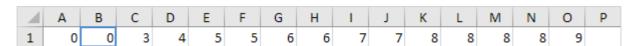
	Α	В	С	D	Е	F	G	Н	-1	J	K	L	М	N	0	Р
1	0	0	3	4	5	5	6	6	7	7	8	8	8	8	9	

# Small

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



#### Check:



Ex: Apply the above in series 2.