


# Microsoft Excel Data Summary Functions



## Data Summary functions

An explanation of the summary functions used in Subtotals, Consolidations and PivotTables:

Name	Calculation
SUM	The sum of the values.
COUNT	The number of data values. Same as the COUNTA worksheet function.
AVERAGE	The average of the values.
MAX	The largest value.
MIN	The smallest value.
PRODUCT	The product of the values.
COUNTNUMS	The number of data values that are numbers. Same as the COUNT worksheet function.
STDEV	An estimate of the standard deviation of a population, where the sample is a subset of the entire population.
STDEVP	The standard deviation of a population, where the population is all of the data to be summarised.
VAR	An estimate of the variance of a population, where the sample is a subset of the entire population.
VARP	The variance of a population, where the population is all of the data to be summarised.

	Value	Function	
	1	AVERAGE	<p>The <b>SUBTOTAL</b> function is used automatically when you choose Data, Subtotals and also when you use AutoSum to total a column of data where an AutoFilter has been applied.</p> <p>The function ignores data in rows that are currently hidden and applies one of the data summary functions to the referenced range.</p> <p>The value of the first argument determines which summary function is applied.</p>
	2	COUNT	
	3	COUNTA	
	4	MAX	
	5	MIN	
	6	PRODUCT	
	7	STDEV	
	8	STDEVP	
	9	SUM	
	10	VAR	
	11	VARP	

