

# Correlation analysis

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## Complete free website on conducting statistics with Excel

[Real Statistics](#)

## PSPP software, the free and open source alternative to SPSS by IBM.

[Download page Tutorial](#)

## Choosing Between Spearman's and Pearson's Correlation?

[A great blog post](#) explaining how to choose the proper type of correlation.

## Youtube video

A very clear video on using Excel to compute a correlation:

Home Insert Page Layout Formulas Data Review View

CORREL  $\times$   $\checkmark$   $fx$  =CORREL(A2:A21,B2:B17)

	A	B	C	D	E	F	G	H
1	<b>X</b>	<b>None</b>	<b>Positive</b>	<b>Negative</b>				
2	150	193	170	110		<b>Correlations</b> None 1,B2:B16 Positive Negative		
3	75	26	110	100				
4	85	178	70	140				
5	165	60	160	90				
6	60	135	70	180				
7	55	98	40	130				
8	171	72	180	60				
9	100	213	90	100				
10	88	204	90	140				
11	139	106	140	90				
12	129	162	150	100				
13	142	182	140	100				
14	73	58	120	150				
15	155	198	170	80				
16	69	132	90	110				
17	157	115	190	60				
18	148	175	180	80				
19	90	186	140	120				
20	75	150	70	190				
21	55	175	90	130				
22								

**Formula Builder**

Show All Functions

**CORREL**

array1 = {150;75;85;165;60;55;171;100;88;...  
A2:A21

array2 = {193;26;178;60;135;98;72;213;204;...  
B2:B16

Result: CORREL(A2:A21,B2:B16) Done

**fx CORREL**

Returns the correlation coefficient between two data sets.

**Syntax**

CORREL(array1,array2)

- array1: is a cell range of values. The values should be numbers, names, arrays, or references that contain numbers.
- array2: is a second cell range of values. The values should be numbers, names, arrays, or references that contain numbers.

[More help on this function](#)

# online book accessible from the library

[Marketing research with SPSS.](#)

This book is about SPSS but PSPP is exactly the same so the book should be very useful.

## To go further

Find other methodology lessons [here](#).



This course is designed by [Clement Levallois](#), and check [my free web app for data analysis](#).