

## Computing Pearson's R Using Excel's CORREL function

Excel has a function to compute Pearson's r. The formula function is as follows:

**=CORREL(array1 , array2)**

Assume you want to determine if there is a correlation between Math and Language scores in the following example.

Since the math data is found in cells A2 through A15 array1 would be written A2:A15. (Notice there is a colon between A2 and A15.) Likewise, since the language data is found in cells B2 through B15 array2 would be written as B2:B15.

In a cell, such as D2, type the following formula: =CORREL(A2:A15, B2:B15) and press the Enter/Return key. The returned value is Pearson's r.

	A	B	C	D
1	Math	Language		
2	88	95		-0.08208
3	93	93		
4	97	99		
5	93	95		
6	93	89		
7	100	92		
8	90	96		
9	94	99		
10	88	95		
11	90	95		
12	100	92		
13	90	93		
14	94	99		
15	100	95		