

## regression analysis

### Data

see "help statistical functions"

x	y
1	100
2	150
5	300
8	290
10	500
15	450

n	6
r	0.897080517 = CORREL(E6:E11,F6:F11)
r <sup>2</sup>	0.804753454 = fraction of y var. from line
t	4.06040861 = C13/SQRT((1-C13 <sup>2</sup> )/(C12-2))
p-value	0.015343547 = TDIST(C15,C12-2,2)
fisher	1.457062224
normdist	0.145099205 alternate version of p

from "data analysis tools ... Correlation "

	Column 1	Column 2
Column 1	1	
Column 2	0.897080517	1

