

Exercise 1 - Linear Regression

The table below shows the results for 13 students in two tests.

1. Fit a linear regression model for predicting the Test 2 result from the Test 1 result. You may use a spreadsheet but all the steps of your work must be shown.
2. Use the model to predict the Test 2 result for a student who got the result of 46 in Test 1.

Test 1	Test 2
59	56
52	63
44	55
51	50
42	66
42	48
41	58
45	36
27	13
63	50
54	81
44	56
50	64