Sample size:

Mean of X = 3

Mean of Y =

Sum of squared cross-deviations of X and Y:

Sum of squared deviations of X:

The values for parameters and are:

Assume the regression error , the following simple linear regression model is obtained:

For each observation , the error is calculated using the formula:

The sum of the squared errors SSE:

Total sum of squares SSTO:

Coefficient of determination :