

CLL113 Classwork 4th th September 2019
(Groups3&4)

Q. Use least-squares regression to fit a straight line to

X ₁	0	0	1	2	0	1	2	2	1
X ₂	0	2	2	4	4	6	6	2	1
y	14	21	11	12	23	23	14	6	11

Compute the coefficients, the standard error of the estimate

$$S_{y/x} = \sqrt{\frac{S_r}{n-(m+1)}}$$

and the correlation coefficient both by

1. Extension of Linear Regression
2. General Matrix Formulation