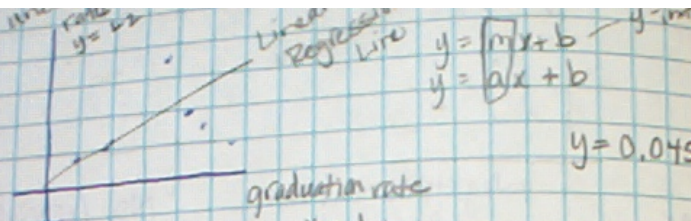


L1	L2
73	6.9
85	
64	
81	
68	
82	



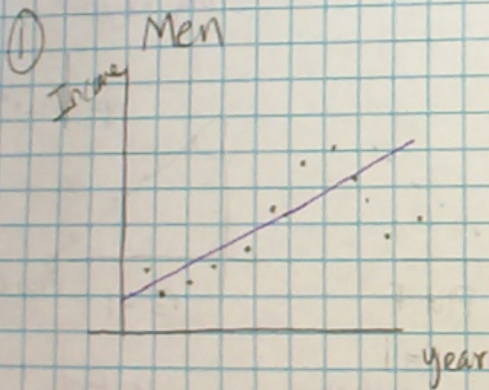
$$y = 0.045x + 1.400$$

Correlation coefficient  $\rightarrow r = 0.295$   
 No correlation

$r = 1$  Perfect Positive Correlation

$r = 0$  No correlation

$r = -1$  Perfect Negative Correlation



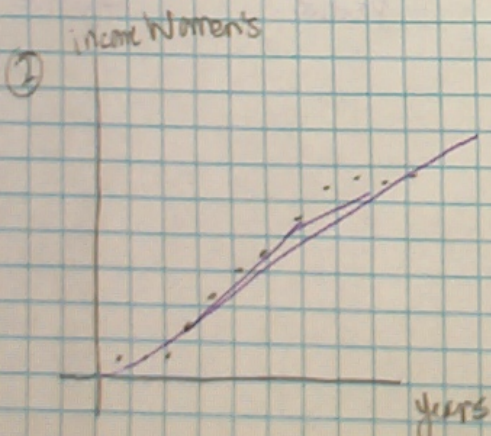
Estimate R: 0.6  $\leftarrow$  What does it mean?

Actual R: 0.792

$y = 311.66x - 582576.11$  Strong positive correlation for year & income

interpret m:  $\frac{\Delta y}{\Delta x} = \frac{311.66}{1 \text{ yr}}$   
 Men's salary increase by \$311.66 per year

interpret b:  $-582576.11$   
 Income is  $-582576.11$  in yr 0. Each year the income is increasing.



Estimate R: 0.85

Actual R: 0.9635

$$y = 464.1x - 905506.4$$

interpret m:  $\frac{\Delta y}{\Delta x} = \frac{464.1}{1 \text{ yr}}$   
 Salary increases by \$464.10 per year in average

interpret b:  $-905,506.40$

Strong Positive correlation between years & women's salary