

Question-1 y= Boot Bin + under E(u) = do and substract do to the existing model y= Bo+ Bin +u +do -do y = Bot + 20 4 Bin + 0 u-20 In more clear form y= (BO+KO) (+8BIN (+ U-KO) new intercept Slope new recor. the model can be rewritten with some slope and new intercept and new error. Now = E(new error) = E(u-20)





(b) Regression of X on Y

$$x_{i} = a_{i} + a_{j} y_{i} + m_{i}$$
We know  $a_{2} = \sum_{i=1}^{N} \left(x_{i} - \overline{x}\right) \left(y_{i} - \overline{y}\right) \times a_{1} = \overline{x} - a_{2} y$ 

$$a_{1} = x - a_{2} y$$
Substitute this in  $a_{1} y$ 

$$a_{1} = x - a_{2} y$$

$$a_{1} = x - a_{2} y$$

$$a_{2} = \frac{1}{3}$$
Substitute this in  $a_{1} y$ 

$$a_{3} = \frac{1}{3}$$

$$a_{4} = x - a_{2} y$$

$$a_{5} = x - a_{2} y$$

$$a_{6} = x - a_{2} y$$

$$a_{7} = x - a_{2} y$$

$$a_{1} = x - a_{2} y$$

$$a_{1} = x - a_{2} y$$

$$a_{2} = x - a_{3} y$$

$$a_{3} = x - a_{4} y$$

$$a_{4} = x - a_{5} y$$

$$a_{5} = x - a_{6} y$$

$$a_{7} = x - a_{7} y$$

$$a_{7} = x - a_{7} y$$

$$a_{8} = x - a_{7} y$$

$$a_{1} = x - a_{2} y$$

$$a_{1} = x - a_{2} y$$

$$a_{2} = x - a_{3} y$$

$$a_{3} = x - a_{4} y$$

$$a_{4} = x - a_{5} y$$

$$a_{5} = x - a_{6} y$$

$$a_{7} = x - a_{7} y$$

$$a_{7} = x - a_{7} y$$

$$a_{8} = x - a_{7} y$$

$$a_{1} = x - a_{7} y$$

$$a_{2} = x - a_{7} y$$

$$a_{3} = x - a_{7} y$$

$$a_{4} = x - a_{7} y$$

$$a_{7} = x - a_{7} y$$

$$a_{8} = x - a_{7} y$$

$$a_{1} = x - a_{7} y$$

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$$a_{3} = x - a_{7} y$$

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$$a_{7} = x - a_{7} y$$

$$a_{7} = x - a_{7} y$$

$$a_{8} = x - a_{7} y$$

$$a_{1} = x - a_{7} y$$

$$a_{2} = x - a_{7} y$$

$$a_{3} = x - a_{7} y$$

$$a_{4} = x - a_{7} y$$

$$a_{5} = x - a_{7} y$$

$$a_{7} = x - a_{7} y$$

$$a_{7} = x - a_{7} y$$

$$a_{8} = x - a_$$

