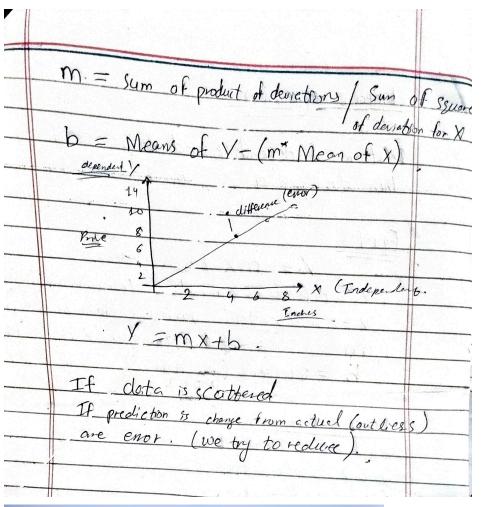
Abdul-Raffy W25-PAK-INP-AI-16

Linear regression equation

	Lineau regression
	Relation of dependent and independent
	Relation of dependent and may then do predictions on besis of it.
	Tour Long
	Y = dependent variable (bour of study)
	Y = dependent variable (hour of study) X = independent variable (hour of study) X = independent variable (hour much y changes to r
	X = independent various (how much y changes for m = slop of line (how much y change in X)
	- CODO OF WIRE
	b = intercept (value of y) unit change in x)
	Predicting Pizza prices
	Data collection.
	(a) (a) lead that
	Spep 3: Prediction
	Step 4: Visualze 600n.
	(V) Deviation(X) Deviation (V)
	$(X) \qquad (Y) \qquad \overline{V(2^{66})}(X) \qquad (Y) = M_{200}(Y)$
	o ZX
	10 13 n
	Product of deviations Sum at products of deviations
	Deviation (x) x Devistron (Y) All add products of deviation
	Square of deviation for (x)
	(periation (x))
11	



8		meter(X) nches								
12 2 3 6 4 Calculate m= Sum of product of deviations/ Sum of square of deviation for X Calculate b = Mean of Y - (m * Mean of X)	8	0	10	10	13	-2	-3	6	12	4
Calculate m= Sum of product of deviations/ Sum of square of deviation for X Calculate b = Mean of Y - (m * Mean of X) 18 16 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	10	0	13			0	0	0		0
Calculate b = Mean of Y - (m * Mean of X) 13 14 12 10 8	12		16			2	3	6		4
8							1	1		
							1 1 1 1	8 6 4 2		/