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The state of the s	
	Simple_kinease Regression
3	
The highest to the same and the	Intuition
	-MIMILIAT
3	In simple linear reagression ur use one independent
3	In simple linear seognession, we use one independent variable to predict the value of a dependent
	1 MATAGRAD.
3	Our data for this template contains two volumns.
3	LAMANU X PROPRINCI, MIN SINCE WAR IN MAIR
	to pendict salary based on experience:
3	dependent variable -> experience
3	independent variable -> experience dependent variable -> salary. Thus, for a simple linear regression.
1	1 2 4 24/1000 10g 0000177
-	Assume that the
3	1 + + + + + + + + + + + + + + + + + + +
3	lalaxy + + + data we have
F	7
3	GOLONY II COLONY X
3	experience >
40 80	The second of th
	We try to predict the best possible line of the form
3	y = bo + bix, Where y is dependent variable & x is independent variable.
1	18 where y is dipendent totaled & x is indipendent
2	poduste.
(2)	Method to find best possible line
7	
	tet us assume a point y, on our line cookesponding to a value y, in our database, for same x.
	to a value y in our database, for some x.
3	V
Charles Warning Stranger	

Then, we peroject lines between codain values sum (\(\sigma_{\text{ij}} \cdot\) is minimum is our solution Woulting et in Python First, copy the data proprocessing template and adjust it according to the data we have well not meid to we feature sealing as the library we use takes some of that for us. (1) We fit simple linear regression to the training set for this purpose, we import the linear Regression Iclass brom selean. linear-model is as follows: brom sklearn linear-model import linear Regression () selgusson fit (x-town, y-train) (ii) Predicting the test set results to do this, we will relate a vertor (y-pred) which will contain all values of y-test as pardicted by the machine. Its simple the wall: y-pad: sugassor paudict (x-test)

	riv Virualising the tocaining set sesults
-	
	We use the matplothib pyplot library.
	on the graph. x axis: Yes exprovence Y axis: Salway For this we use plt scatter () which takes
40	x axis: Yes experience
	Y ancis: - saloray
	How this we use per scarter () which walls
	parameters as:
	X axis values, y axis values, colour.
	X axis values, y axis values, colour. This will give us a scatter plot. Then, eve will use plt plot to plot a line
	OPODED
	graph. The rock:
	plt. scatter (x-test, y-test, color: 'sced')
	plt. scatter (X-test, y-test, color: 'sced') plt. plot (X-train, sugression predict (X-train), color.
	Gall)
	and then the labelling.
	U
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