## TECHNO MAIN SALT LAKE

(FORMERLY TECHNO INDIA, SALT LAKE)

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	Invigilator's Signature Date 89/2/2.025
1>	clasification of Regoussion are the two most common vsupervised tasks.
2)	To check the accuracy of the freediction of a validation set
3>	There are two model farcameters are there in a clinear regression problem with a a single feature variable.
4>	Aco Auc value of a fenfect classifier is 90-100%.
7	Succision is more important for a spam email detection system.
	· [fart-8]
>	torain-ferst-splot is a method available in skleam that we used to split the data into toraining set and testing set. we use 30% of the total data.
	Set. we use 30% of the total date.
	undergetting and overtetting :-
-	model . peedicts two well on the training date that is
	overfitting is a phenomenon which where the machine learning model . peredicts two well on the training date that is seen date . That does not work well on unseen date that is too time date.
	where underfitting happens when the model performs totally on the training date that is the seen date that fredicts foundly too and well on the unseen date that is testing
	Fredly too well on the unseen date that is testing
	by use of suitable model  2) Scale the data
	2) Scale the data

- ( ) suduce the noice from the data
- (4) coross validation.
- Dias -> Bisas is a terminology in machine learning it is grifies frow a machine cleanning model finedicting for booky in the training phase.

  Basically the error in the training flase called as as bias.

in the testing phase.

- · To reduce it we take data that is properly encoded, scalled and " the size of the data is moderate.
- for form & poorly on the training phase.
- 9) confusion matrix is the insight of model fer formance: It include cornectly foredieted and incorrectly foredieted data value.

FM
TN

TN=82, FP=3, FN=5, TP=10

fahe nigetive opate = 
$$\frac{c}{15} = \frac{1}{2}$$
  
take possitive state =  $\frac{2}{82+3} = \frac{3}{85}$ 

1 st of containing of