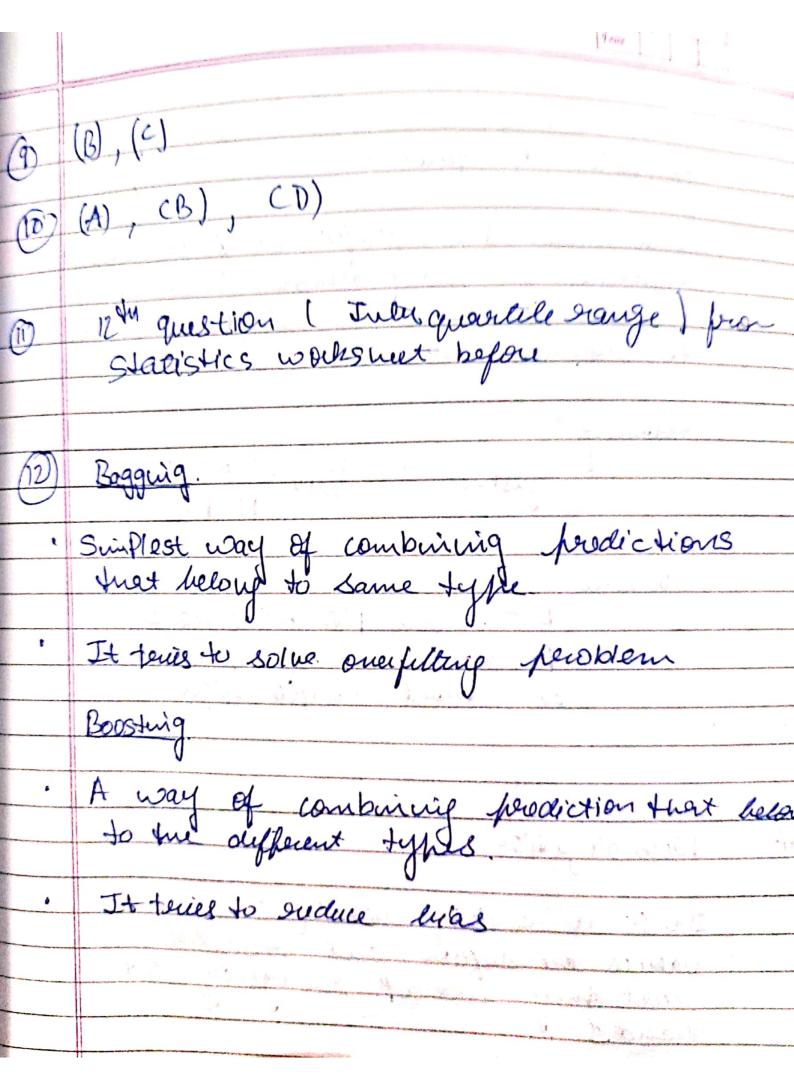
Puge Na Date
Machine Learning
Worksheet -9
Jasika Tanga
1-) (c) between -1 & 1
2) (c) Recuesire feature elementaises
3-) (c) hyperplane
4.> (A) logistic Regussion
5) [c] old coefficient of \x' - 2.205
6.) (B) increases
7) [c) Random forest are easy to interfret.
(B) PuinciPle components au calculated using unsupervised learning techniques  (C) luinciPle components are linear combination of Linear variables  Scanned with CamScanner
(a)(c) Principle combonents are linear combination
Of Leviear variables Scanned with CamScanner



Adjusted R-Squared It measures ful perspection of variation explained by only those independent variables that everly help in explaining fue dependent variables.  $\frac{P^2}{\text{adjusted}} = \frac{1 - C1 - R^2}{N - P - 1}$ Somula: where o sample R-square. N = total sample size. Normalization It is a scaling turnique in which values are sufted and I rescaled so thetarent out of the granging hetarent out of the granging hetarent formulg: x = x - xmini xmen - xmin

	Standardization
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	It is a scaling technique where the values are constant around fine mean with a
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6	This means dual due mean of the attitute becomes and fine susultant distribution
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	4! mean
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	Lander models on a limited dete
	Method of or a selesampling perocedure used to evaluate the skill of mechanic learning models on a limited deta
4	
	Advantage:
	T1 0
	reduces over-fetting by splitting the
	dataset wito multiple folds and train
	It reduces over-fetting by splitting the dataset with multiple folds and train the algorithm on different folds.

Diseavantefe.

It viceses training time. Earlier your had to train your anodel only on one training set but with the cross validation you have to train your anoder on anultiple training set