

FLIP ROBO		ASSIGNMENT - 39
	MACHINE LEARNING	y o Line
In Q1 to Q11, only one option is co	prrect, choose the correct option:	×
(A) Least Square Error(C) Logarithmic Loss	ds do we use to find the best fit line for data B) Maximum Likelihood D) Both A and B	y=a+bx+e]
A) Linear regression is sensitive	ent is true about outliers in linear regression ve to outliers •B) linear regression is not so D) none of these	galpeacut morrey (variable sensitive to outliers (officient slope
A line falls from left to right if aA) PositiveC) Zero	D) Undefined	
 Which of the following will have variable? A) Regression C) Both of them 	B) Correlation D) None of these	variáble and independent
(5) Which of the following is the real A) High bias and high variance Low bias and high variance		e - y De
6. If output involves label then the A) Descriptive model C) Reinforcement learning	D) All of the above	in the second se
 Lasso and Ridge regression te A) Cross validation C) SMOTE 	B) Removing outliers (D) Regularization	A sellen son the
A) Cross validation C) Kernel	dataset which technique can be used? B) Regularization M) SMOTE	(secall/seusitiu
classification problems. It uses A) TPR and FPR C) Sensitivity and Specificity	B) Sensitivity and precision D) Recall and precision	FPR-false positive rate
In AUC Receiver Operator Chacurve should be less. A) True	aracteristic (AUCROC) curve for the bette	1 - specifici
11 Pick the feature extraction from Construction bag of words from B) Apply PCA to project high dir C) Removing stop words D) Forward selection	om a email mensional data	y= a+b>c+e
In Q12, more than one options are co	orrect, choose all the correct options:	
Which of the following is true ab Regression? A) We don't have to choose the	oout Normal Equation used to compute the learning rate. er of features is very large.	e coefficient of the Linear

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[equally distribute immbalance smote data ser data ser

C) We need to iterate.

D) It does not make use of dependent variable.



MACHINE LEARNING

Q13 and Q15 are subjective answer type questions, Answer them briefly.

- (13.) Explain the term regularization?
- (14) Which particular algorithms are used for regularization?
- (15) Explain the term error present in linear regression equation? Diff. How the Actual

dependent Variable Independent intercept Vainable

Durigeis and the predicted Anriver.

Answer 14 - Regularization is one of the way to handle

Bias_Variance_Tradeoff

from sklearn. linear_model import Lasso, Ridge, Elastic Net Here in Regularization we can use three algorithmis:

Omits Un-necessary

columns which are not much contributable Ridge

- it reduces the Cofficient diffrences and toping to reduce

ger between two.

- combination of Larso + Ridge Regression.

Here, alpha is the attribute, whose values could be (alpha = .0001,.001,.01,1)

(D) Perceptron