

# MACHINE LEARNING

Q1. Ans. :- A) Least Square Error

Q2. Ans. :- A) Linear regression is sensitive to outliers

Q3. Ans. :- B) Negative

Q4. Ans. :- A) Regression

Q5. Ans :- C) Low bias and high variance

Q6. Ans :- B) Predictive model

Q7. Ans. :- D) Regularization

Q8. Ans. :- D) SMOTE

Q9. Ans. :- A) TPR and FPR

Q10. Ans. :- B) False

Q11. Ans. :- B) Apply PCA to project high dimensional data

Q12. Ans. :- A, B, C

Q13. Ans. :- Regularization is technique used to reduce the error by fitting a function on given dataset and avoid overfitting.

Q14. Ans. :- a) **LASSO** - Least Absolute Shrinkage and Selection Operator.

It shrinks the predictors exactly to zero which does not contribute to model.

b) **RIDGE** regression- It also shrinks predictors which contribute less to model but not to zero. it gives very less weight to it.

c) **ELASTICNET** (less popular)

Q14. Ans. :- the difference between predicted value and actual value.

