Assignment-3

Ans.1 d) Collinearity

Ans2. A) Random Forest

Ans3. C) Decision trees are prone to overfit

Ans 4. A) Training data

Ans5. C) Anamoly detection

Ans6. c) Case based

Ans7. D) Both a and b

Ans8. D) None

Ans9. C) 3

Ans10.a) PCA

Ans 11. b) Features of group explicitly stated

Ans. 12 b) SVG

Ans. 13 b) Underfitting

Ans 14. A) Reinforcement Learning

Ans 15. b) Mean squared error

Ans 16. B) Linear,Binary

Ans 17. A) Supervised learning

Ans 18. A) Euclidean distance

Ans 19. A) Removing dataset which have too many missing values

Ans 20. a) Output attribute

Ans 21. A) SVM allows very low error in classification

Ans 22. B) Only 2

Ans 23. A) -(6/10 log(6/10)+4/10log(4/10))

Ans 24. A) weights are regularized with the 11 norm

Ans 25. B) Logistic regression and Gaussain discriminant anaysis

Ans 26.D) Either 2 or 3

Ans 27. B) Increase by 5 pounds

Ans 28. D) Minimize the squared distance from the point

Ans 29. B) As the value of one attribute increases the value of second attribute also increases

Ans 30. B) Convolutional neural network