Answers File 3

Ans 1. (d) Collinearity

Ans 2. (b) Random Forest

Ans 3. (c) Decision Tree are prone to overfit

Ans 4. (c) Training data

Ans 5. (c) Anomaly detection

Ans 6. (c) Case based

Ans 7. (d) Both a and b

Ans 8. (c) Both a and b

Ans 9. (b) 2

Ans 10. (d) KMeans

Ans 11. (c) Neither feature nor number of groups is known

Ans 12. (b) SVG

Ans 13. (b) Underfitting

Ans 14. (a) Reinforcement learning

Ans 15. (b) Mean squared error

Ans 16. (a) Linear, binary

Ans 17. (a) supervised learning

Ans 18. (c)Both a and b

Ans 19. (b). Removing columns which have high variance in data.

Ans 20. (a). Output attribute.

Ans 21. (a) SVM allows very low error in classification.

Ans 22. (a) Only 1.

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

Ans 24. (a) weights are regularized with the l1 norm.

Ans 25. (a) Perceptron and logistic regression, (c) Support Vector Machine,(d) Perceptron

Ans 26. (d) Either 2 or 3

Ans 27. (b) increase by 5 pounds

Ans 28. (d) Minimize the squared distance from the points.

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

Ans 30. (b) Convolutional Neural Network.