

1. D) --collinearity.
2. [B]--Radom Forest
3. [C]--Decision trees are prone to overfitting.
4. [C]--training data
5. [C]--anomaly detection.
6. [C]--Case-based
7. [D]--Both (A) and (B)
8. [C]--Both (A) and (B)
9. [C]--3
10. [A]—PCA
11. [C]--neither feature nor number of groups known.
12. [D]--None of the above
13. [B]—Underfitted
14. [A]—Reinforcement learning
15. [B]--mean squared error
16. [C]—nonlinear, binary.
17. [C]—semi supervised learning.
18. [C]-- both a and b
19. [A]--Remove columns which have too many missing values
20. [B]--hidden attribute.
21. [A]— SVM allows very error in classification
22. [A]-- Only 1
23. [A]-- $-(6/10 \log(6/10) + 4/10 \log(4/10))$
24. [A]-- weights are regularized with the l1 norm
25. [B] Logistic regression and Gaussian discriminant analysis
26. [D] Either 2 or 3
27. [B] increase by 5 pound
28. [D] Minimize the squared distance from the points

29. [C]--As the value of one attribute decreases the value of the second attribute increases
30. [B]-- Convolutional Neural Network