

1. d) Collinearity
2. b) Random Forest
3. c) Decision Tree are prone to overfit
4. b) Sample 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 is known
12. b) SVG
13. b) Underfitting
14. a) Reinforcement learning
15. b) Mean squared error
16. c) Nonlinear, binary
17. A. supervised learning
18. C. both a and b
19. A. removing columns which have too many missing values
20. B. hidden attribute.
21. (A) SVM allows very low error in classification
22. (B) Only 2
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. (A) increase by 1 pound
28. (A) Pass through as many points as possible
29. (A) The attributes are not linearly related
30. (B) Convolutional Neural Network