D3

1. d) Collinearity
2. b) Random Forest
3. c) Decision Tree are prone to overfit
4. c) Training data
5. c) Anamoly detection
6. c) Case based
7. c) 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. C. input 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. 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