Assignment 3

Name: Apsara Chamari Reid

1. The dimensionality reduction reduces collinearity. Therefore, the correct answer is d). Collinearity.

2. The correct answer is b) Random Forest.

3. The correct answer is c). Decision Tree are prone to overfit

4. The correct answer is c). Training Data.

5. The correct answer is c). Anamoly 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. a) Linear, binary.

17. a) Supervised Learning

18. c). both a and b.

19. B). removing columns which have high variance in data.

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. A) Perceptron and logistic regression

26. D) Either 2 or 3.

27. B) increase by 5 pounds.

28. A) Pass through as many points as possible.

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

30. B) Convolutional Neural Network.