

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. d) Both a and b
8. c) Both a and b
9. b) 2
10. d) KMeans
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. C. Support vector machine
- 26. D. Either 2 or 3
- 27. B. increase by 5 pound
- 28. D. Minimize the squared distance from the points
- 29. B. As the value of one attribute increases the value of the second attribute also increases
- 30. B. Convolutional Neural Network