

MCQ

1. d) Collinearity
2. b) Random Forest
3. c) Decision trees are prone to overfit.
4. a) Data training
5. a) Clustering
6. c) Case based
7. d) both Statistical and Computational learning theory
8. c) Both a) and b) that is Curse of dimensionality and Calculating the distance of test case for all training cases.
9. c) 3 layers
10. a) PCA (Principal Component Analysis)
11. c) Neither feature nor number of group 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) Euclidean and b) Manhattan distance
19. b) removing column with high variance in data
20. c) input attribute
21. a) SVM allows very low error in classification
22. b) Only 2 (Depth of tree)
23. a) $-(6/10 \log(6/10) + 4/10 \log(4/10))$
24. a) weights are regularized with the l_1 norm.
25. d) Perceptron
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