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Third Answer key

1. Collinearity
2. Random Forest
3. Decision Tree are prone to overfit
4. Training data
5. Classification
6. Regression
7. Statistical learning theory
8. Both a and b
9. 3
10. PCA
11. Neither feature nor number of groups is known
12. SVG
13. Underfitting
14. Supervised learning and Unsupervised learning
15. Mean squared error
16. Linear binary
17. Supervised learning
18. Euclidean distance
19. Removing columns which have high variance in data
20. Hidden attribute
21. SVM is highly flexible
22. 2 and 3
23. $\frac{6}{10} \log(6/10) + \frac{4}{10} \log(4/10)$
24. Weights are regularized with the L_2 norm
25. Support vector machine
26. Only 2
27. None of the above
28. Minimize the number of points it touches
29. The attributes are not linearly related
30. Recurrent neural network