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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.  $\frac{6}{10} \log \left( \frac{6}{10} \right) + \frac{4}{10} \log \left( \frac{4}{10} \right)$
24. Weights are regularized with the  $\ell_2$  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