

Answers:

- 1) d) Collinearity
- 2) b) Random Forest
- 3) c) Decision Tree is prone to overfitting
- 4) a) Data Training
- 5) d) all of the above
- 6) c) case based
- 7) d) both a & b
- 8) c) both a & b
- 9) c) 3
- 10) d) K-means
- 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 & b
- 19) a) removing columns with too many missing data
- 20) c) input attribute
- 21) a) SVM allows very low error in classification
- 22) b) 2
- 23) c) $\frac{4}{10} \log(\frac{6}{10}) + \frac{6}{10} \log(\frac{4}{10})$
- 24) a) weights are regularized with the l1 norm
- 25) c) ?
- 26) b) 2
- 27) d) b) 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