

Assignment No 3

Answers

- 1) d] Collinearity
- 2) b] Random Forest
- 3) c] Decision trees are prone to overfit
- 4) c] Training Data
- 5) c] Anomaly Detection
- 6) c] Case Based
- 7) d] Both a and b
- 8) c] Both a and b
- 9) c] 3
- 10) a] PCA
- 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) a] Removing columns which have too many missing values
- 20) c] Input attribute
- 21) a] SVM allows very low error in classification
- 22) b] Only 2 : Depth of the tree
- 23) a] $-(6/10 \log(6/10) + 4/10 \log(4/10))$
- 24) a] Weights are regularized with the L_1 norm
- 25) b] Logistic regression and Gaussian discriminant analysis
- 26) d] Either 2 or 3
- 27) b] increased by 5 pounds
- 28) d] Minimize the squared distance from the points
- 29) b] As the value of the one attribute increases the value of the second attribute also increases
- 30) b] Convolutional neural network