File-3 solved

1) d) Collinearity
2) b) Random Forest
3) C) Decision trees are prone to overfitting.
4) C)Training data
5) C)Anamoly 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) c)Nonlinear, 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) The SVM allows a very low error in classification
22) b)Only 2
23) (a) -(6/10 log(6/10) + 4/10 log(4/10))
24) a) weights are regularized with the l1 norm
25) b)Logistic regression and Gaussian discriminant analysis
26) (D)Either 2 or 3
27) b) increase by 5 pound
28) (D)Minimize the squared distance from the points
29) C) As the value of one attribute decreases the value of the second attribute increases
30) B)Convolutional Neural Network