Assignment 3 :

Ans 1: (D) Collinearity

Ans2: (B) Random Forest

Ans3: (C) Decision Tree are prone to overfit

Ans4: (C) Training data

Ans5: (C) Anamoly detection

Ans6: (C) Case based

Ans7: (D) Both a and b

Ans8: (C) Both a and b

Ans9: (C) 3

Ans10: (A) PCA

Ans11: (C) Neither feature nor number of groups is known

Ans12: (B) SVG

Ans13: (B) Underfitting

Ans14: (A) Reinforcement learning

Ans15: (D) Root mean squared error

Ans16: (C) Nonlinear, binary

Ans17: (A) supervised learning

Ans18: (D) Square Distance

Ans19: (A) Removing columns which have too many missing values

Ans20: (C) input attribute.

Ans21: (C) Underfitting

Ans22: (B) only 2

Ans23: (A) -(6/10 log(6/10) + 4/10 log(4/10))

Ans24: (A) weights are regularized with the l1 norm

Ans25: (A) Perceptron and logistic regression

Ans26: (D) Either 2 or 3

Ans27: (B) increase by 5 pound

Ans28: (C) Minimize the number of points it touches

Ans29: (C) As the value of one attribute decreases the value of the second attribute increases

Ans30: (B) Convolutional Neural Network