

1)

d) Collinearity

---

2)

b) Random Forest

---

3)

d) all of the above

---

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)

a) Linear, binary

---

17)

A. supervised learning

---

18)

A. euclidean distance

---

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

---

23)

(B)  $\frac{6}{10} \log(\frac{6}{10}) + \frac{4}{10} \log(\frac{4}{10})$

---

24)

(A) weights are regularized with the l1 norm

---

25)

(B) Logistic regression and Gaussian discriminant analysis

---

26)

(D) Either 2 or 3

---

27)

(C) increase by 125 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