

Machine Learning

Q1-

Answer: (d)

Q2-

Answer2: (d)

Q3-

Answer: (a)

Q4-

Answer: (a)

Q5-

Answer: (b)

Q6-

Answer: (b)

Q7-

Answer: (a)

Answer: (d)

Q9-

Answer: (a)

Q10-

Answer: (d)

Q11-

Answer: (d)

Q12- Is K sensitive to outliers:-

Yes, because K is used to mean of data point to build k cluster but if outliers present in dataset then affect to mean value. So our algorithms will not give a good result if outliers present in dataset.

Q13- Why K-means is better?

Other algorithm has better features and trend but more expensive and time consuming. So that K-means becomes a great solution for pre-clustering, reducing the space where other algorithm can be applied.

Q14- Is K-means a deterministic algorithm?

No, because it is random selection of data points as initial centroid. If running algorithm several times with same dataset but it gives different results.

