Worksheet_set_3 (ML) Name: Prashant Pathak(Internship33)

Ans.1 (d)

Ans.2 (d)

Ans.3 (c)

Ans.4 (b)

Ans.5 (d)

Ans.6 (c)

Ans.7 (d)

Ans.8 (a)

Ans.9 (a)

Ans.10 (b)

Ans.11 (a)

Ans.12 (b)

Ans.13 Clustering is useful for exploring data. If there are many cases and no obvious groupings, clustering algorithms can be used to find natural groupings. Clustering can also serve as a useful data-preprocessing step to identify homogeneous groups on which to build supervised models.

Ans.14 K-means clustering algorithm can be significantly improved by using a better initialization technique, and by repeating (re-starting) the algorithm. When the data has overlapping clusters, k-means can improve the results of the initialization technique.