

Machine Learning Assignment

- 1) A
- 2) D
- 3) A
- 4) A
- 5) B
- 6) B
- 7) A
- 8) D
- 9) A
- 10) D
- 11) D
- 12) The k-means algorithm is sensitive to the outliers. The final cluster configuration can be significantly influenced by the presence of outliers.
- 13) The k-means algorithm can be used to maximize the similarity of data points within clusters and minimize the similarity of points in different clusters. It is relatively simple to implement, guarantees convergence, easy to adapt to new examples, among others.
- 14) No, K-means is a non-deterministic algorithm. Different results could be obtained from different trials.