WORK SHEET_2_ML

1. A. 2 Only
2. D. 1,2 and 4
3. A. True
4. A. 1 only
5. A. 0
6. A. Yes
7. A. Yes
8. D. All of the above
9. A. K-means clustering algorithm
10. C. 3 and 4
11. D. All of the above
12. The K- clustering is sensitive to outliers, because a mean is easily influenced by extreme values. It uses the mean of cluster data points to find the cluster center.
13. K-means is simple to implement, it scales large data sets, guarantees convergence, can warm- start the position of centroids, generalizes to clusters of different shapes and sizes, such as elliptical clusters.
14. The basic k-means clustering is based on a non-deterministic algorithm. This means that running the algorithm several times on the same data, could give different results.