Statistics

1.b
2.b
3.c
4.c
5.b
6.b
7.a
8.b
9.d
10.a
11.c
12.d
13.d
14.a
15.d

Machine learning

1.b
2.d
3.a
4.a
5.b
6.b
7.a
8.d
9.a
10.d
11.d
12.The K-means clustering algorithm is sensitive to outliers, because a mean is easily influenced by extreme values
13.k-means is easy to understand and identify unknown groups of data from complex data sets.it is suitable for many datasets it can also produce higher clusters.
14.No it is not a deterministic algorithm due to its random selection of data point as initial centroids.