Machine Learning_2

1. (b) 1 and 2
2. (d) 1,2 and 4
3. (a) True
4. (b) 2 only
5. (b) 1
6. (b) No
7. (c) Can’t say
8. (d) All of the above
9. (a) K-means clustering algorithm
10. (c) 3 and 4
11. (d)All of the above

12.Yes k is sensitive to outliers. We can assign the value of k as we want when we are doing

the hyper parameter tuning we can assign the value of k according to our algorithm but when it comes to the outlier it depends upon the data set whether the outliers we want to consider or not it totally depend upon the situation

12. k means better because we can assign the value of K whatever we want. We can give the range that means the starting point and the ending point and also we can improve our score through the hyper parameter tunning and totally depend upon the data set

13. No it’s non deterministic algorithm because we can change the value of K according to the situation or according to the requirement of the business or according to the result and data set also, which is the most helpful for us to improve our score or prediction of our model