

Week 8 - Check Your Understanding

1. In k-means clustering, one needs to specify the number of cluster before the calculation process.
 - a. True
 - b. False
2. In k-means clustering, the final result of clustering does not depend on the initial selection of centroids.
 - a. True
 - b. False
3. In k-means clustering, the calculation process stops when there are not change in the positions of the centroids.
 - a. True
 - b. False
4. The result of k-means clustering should not depend on the selection of the distance measurement
 - a. True
 - b. False
5. Like k-means clustering, in hierarchical clustering, one needs to specify the number of clusters before the calculation process.
 - a. True
 - b. False
6. In hierarchical clustering, the distance between two clusters should always be the distance between the centroids of the two clusters.
 - a. True
 - b. False
7. In hierarchical clustering, the choice of linkage will impact the way observations are clustered
 - a. True
 - b. False
8. K-means clustering is sensitive to outliers
 - a. True
 - b. False
9. Clustering is supervised learning method
 - a. True
 - b. False