

Machine Learning

Work Sheet 3

- All of the Above.
- None
- Reinforcement Learning
- b)
- None
- c)
- d)
- a)
- a)
- b)
- a)
- b)

Subjective Type: -

- This clustering method helps grouping valuable data into clusters and picks appropriate results based on different techniques. For example, in information retrieval, the results of the query are grouped into small clusters, and each cluster has irrelevant results. By Clustering techniques, they are grouped into similar categories, and each category is subdivided into sub-categories to assist in the exploration of queries output. There are various methods.

- Hierarchical methods
- Partitioning methods
- Density-based
- Model-based clustering
- Grid-based model

- Graph-based clustering performance can easily be improved by applying ICA blind source separation during the graph Laplacian embedding step. Applying unsupervised feature learning to input data using either RICA or SFT improves clustering performance.