

- 1) Explain Maximum Likelihood and Least Squared Error Hypothesis.
- 2) Short note on Maximum Likelihood Hypothesis for predicting probabilities.
- 3) What is Minimum Description Length Principle.
- 4) Explain EM Algorithm with diagram.
- 5) Explain Gibbs algorithm
- 6) What are the different applications of clustering ?
- 7) K-means clustering algorithm and problems.
- 8) Explain DBSCAN with the code.
- 9) Explain Clustering algorithms.
- 10) Briefly explain GMM with diagram and code.
- 11) What are the other Anomaly and Novelty detection algorithms.
- 12) What is reinforcement learning
- 13) Explain MDP ,Learning Task,Q Function with the help of diagram.