

Viva Questions:

1. What is the use of COBWEB clustering?

Ans - COBWEB clustering is used to find patterns in data and to make predictions about future data. It is a type of artificial intelligence that is used to create and interpret models of data.

2. What is EM algorithm used for?

Ans - The EM algorithm is used to find (local) maximum likelihood parameters of a statistical model in cases where the equations cannot be solved directly.

3. What are the steps of EM algorithm?

Ans - The steps of EM algorithm are

- i. the expectation step (E-step) and
- ii. the Maximization step (M-Step),

where E-step is used to estimate the missing data in datasets, and M-step is used to update the parameters after the complete data is generated in E-step.

4. What is the use of farthest first algorithm?

Ans - The farthest-first traversal can also be used in another type of facility location problem, the max-min facility dispersion problem and also used to define the farthest-insertion [heuristic](#) for the [travelling salesman problem](#).