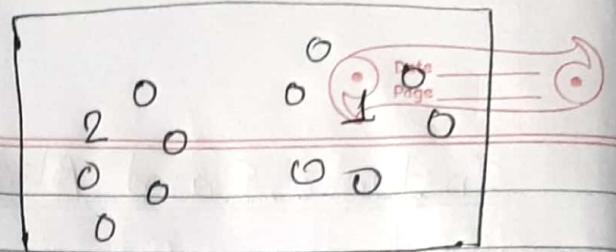


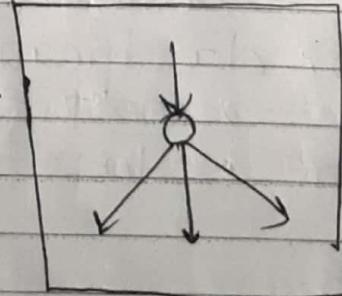
Clustering Algorithm



- Clustering like regression describes the class of problem and the class of methods
- clustering methods are typically organized by the modeling approaches such as centroid-based and hierarchical.
- most popular clustering algorithms are:-
 -) k-means
 -) k-median

Artificial Neural Network Algorithms

- Artificial neural networks are models that are inspired by the structure and/or function of biological neural networks.
- They are a class of pattern matching that are commonly used for regression & classification problem
- most popular ANN algorithms are
 -) Perceptron
 -) Back propagation
 -) Stochastic Gradient Descent



Deep Learning algorithm :-

→ Deep learning algorithm methods are a modern update to ANNs that exploit abundant cheap computation.

→ They are concerned with building much larger and more complex neural networks & as commented above

→ most popular deep learning algorithms are -
i) Convolutional Neural Network (CNN)
ii) Stacked Auto-Encoders
iii) Recurrent Neural Networks (RNNs)

