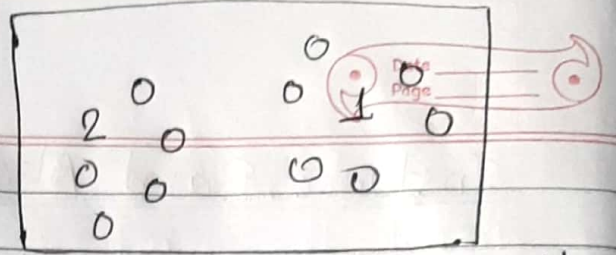


Clustering Algorithm



→ 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

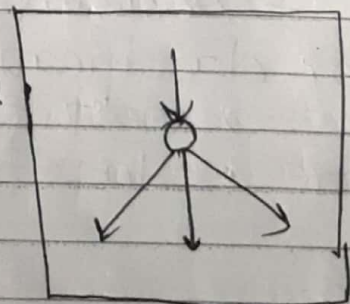
Artificial Neural Network Algorithms

→ 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



ANN

Deep Learning algorithm :-

→ Deep learning algorithm methods are a modern update to ANN 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)

