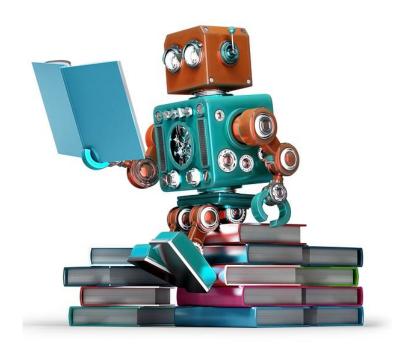
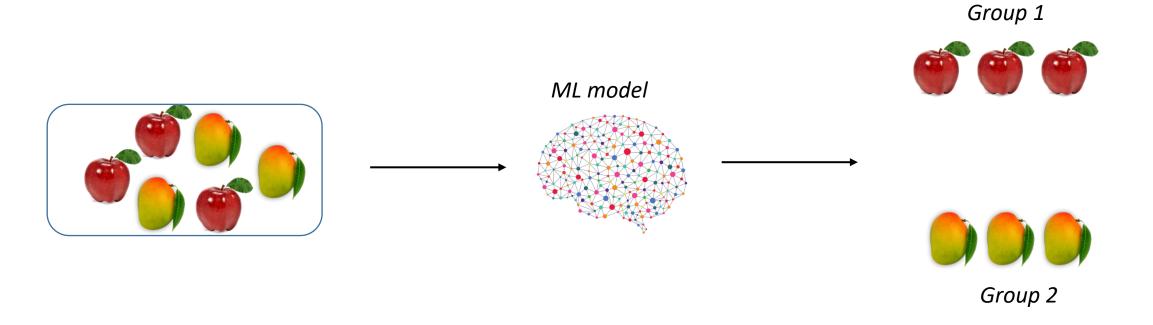
Siddhardhan

Unsupervised Learning Models



Unsupervised Learning

In Unsupervised Learning, the Machine Learning algorithm learns from Unlabelled Data



Types of Unsupervised Learning

Unsupervised Learning

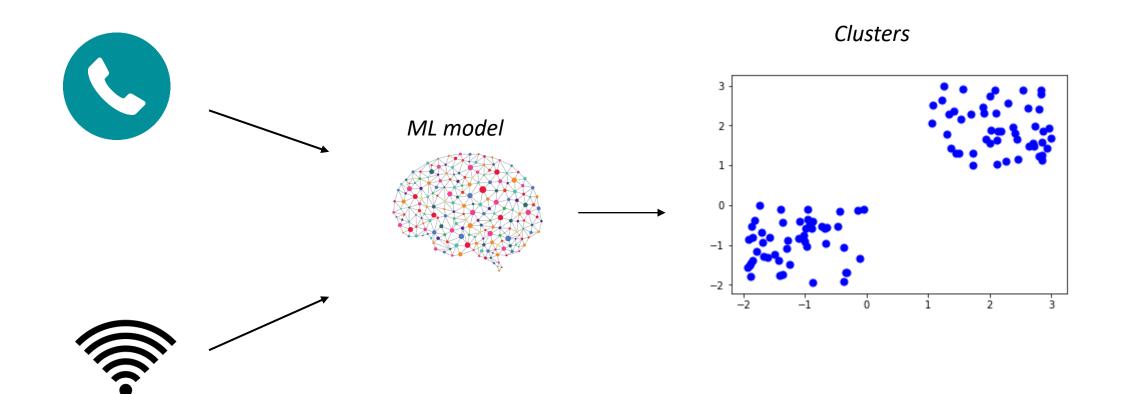
Clustering

Clustering is an unsupervised task which involves grouping the similar data points.

Association

Association is an unsupervised task that is used to find important relationship between data points

Clustering



Association

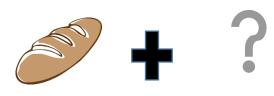
Customer 1

Customer 2

Customer 3







- Bread
- Milk
- Fruits
- wheat

- Bread
- Milk
- Rice
- Butter

Now, when customer 3 goes and buys bread, it is highly likely that he will also buy milk.

Unsupervised Learning Models

- 1. K-Means Clustering
- 2. Hierarchical Clustering
- 3. Principal Component Analysis (PCA)
- 4. Apriori
- 5. Eclat