Introduction

▪ Created	@June 25, 2025
▪ Edited	@August 9, 2025 9:28 AM
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Types:

1.Supervised   :Labelled Data

2.Unsupervised: Unlabeled Data

3.Reinforcement :   Actions Leads to Reward

Supervised Learning and Types:

(Algorithm learns from labelled data)

Types:

1. Classification - Predicting a class or discrete values

2. Regression - predicting a quantity or continous values

Classification:

1. Decision tree classification

2. random forest classification

3. k-nearest neighbor

Regression:

1. Logistic Regression

2. Polynomial Regression

3. Support vector machines

Unsupervised Learning:

(algorithm learns from unlabeled data)

we don't tell whether the image is an apple or a mango

Types:

1. Clustering - involves grouping the similar data points

2. Association - Used to find important relationship between data points

Clustering:

makes clusters based out of data provided

Association:

did not understand here

Important algorithms:

1. K-Means Clustering

2. Hierarchical Clustering

3. Principal Component Analysis

4. Apriori

5. Eclat