

Machine Learning | Basics

Machine Learning is when computers learn and get better by themselves without us needing to teach them every single thing. Machine learning models can be classified in three major categories:

1. Regression
2. Classification
3. Clustering

Let's pick them in sequence and get basic understanding around the same.

Regression:

You'll apply regression models to predict continuous outcomes. For instance:

- Forecasting your Class 12 scores based on previous grades.
- Predicting your dad's store sales for the upcoming month.

Classification:

You'll apply classification models to predict categorical outcomes. For instance:

- Identifying if the email is Spam or not
- If your friend is criminal or not 😏

Clustering:

No predefined notion of a label is allocated to the groups/clusters formed. For instance:

- Grouping multiple documents which share similar kind of content
- Customer Segmentation