

1. What is Machine Learning (ML)?

Machine Learning is when computers **learn from examples** instead of needing step-by-step instructions. They look at patterns in data and use them to make smart guesses—like a weather app guessing tomorrow's temperature or a phone recognizing faces in photos.

2. What is Supervised Machine Learning?

Supervised learning is like studying with an answer key. The computer is given examples with correct answers, and it learns how to predict answers for new situations. It's useful for things like:

- Guessing prices for houses
- Identifying spam emails
- Recognizing handwritten numbers

3. What is Regression and Classification?

- **Regression** is about guessing numbers. Example: Predicting how much a shop will sell next month based on past sales.
- **Classification** is about sorting things into groups. Example: Deciding if a message is **spam or not**, or **sorting photos** into "cats" and "dogs."