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Sub : Writing a blog explaining your granny about ML.

Hey granny, I will explain to you about Machine Learning. Suppose I want to buy a car. I tried to calculate how much I need to save monthly for that. I went over dozens of ads on the internet and learned that new cars are around Rs.2,00,000, used year-old ones are Rs.1,90,000 2-year old are Rs.1,80,000, and so on.

As you know I'm a brilliant analytic, I started seeing a pattern: so, the car price depends on its age and drops Rs.10,000 every year, but it won't get lower than Rs.1,00,000.

In machine learning terms, I invented regression – I had predicted a value (price) based on known historical data.

There are 3 categories of ML

1. Supervised Learning:

i) Classification

Machine learning is about classifying things, mostly. The machine here is like a baby learning to sort toys: here's a robot, here's a car, here's a robo-car...

Splits objects based on one of the attributes known beforehand.

For example, Separate socks based on color, documents based on language, music by genre.

ii) regression

Draw a line through these dots. Yep, that's the machine learning.

2. Unsupervised Learning:

i) Clustering

Divides objects based on unknown features. Machine chooses the best way

It's like dividing socks by color when you don't remember all the colors you have.

ii) Association

Look for patterns in the orders' stream

To analyze goods bought together like butter with bread etc

3. Reinforcement Learning:

Throw a robot into a maze and let it find an exit

Surviving in an environment is a core idea of reinforcement learning.

Throw poor little robot into real life, punish it for errors, and reward it for right deeds. The same way we teach our kids.