

Types of Machine Learning

① Supervised Machine Learning

(Labelled/Target data

→ Healthcare is given in the dataset)

Example

1

Model

1/0

Diabetic

(1)

Non-Diabetic

(0)

Dataset

columns - features

rows - Records/

target (0/1) Data Point

BP
f₁

Insulin
f₂

f₃

f₄

f₅

1

→ Classification Problem

target value

Regression

Continuous
nums

Supervised

Machine

Learning

target value

Classification

0/1/2

1000

Example 2

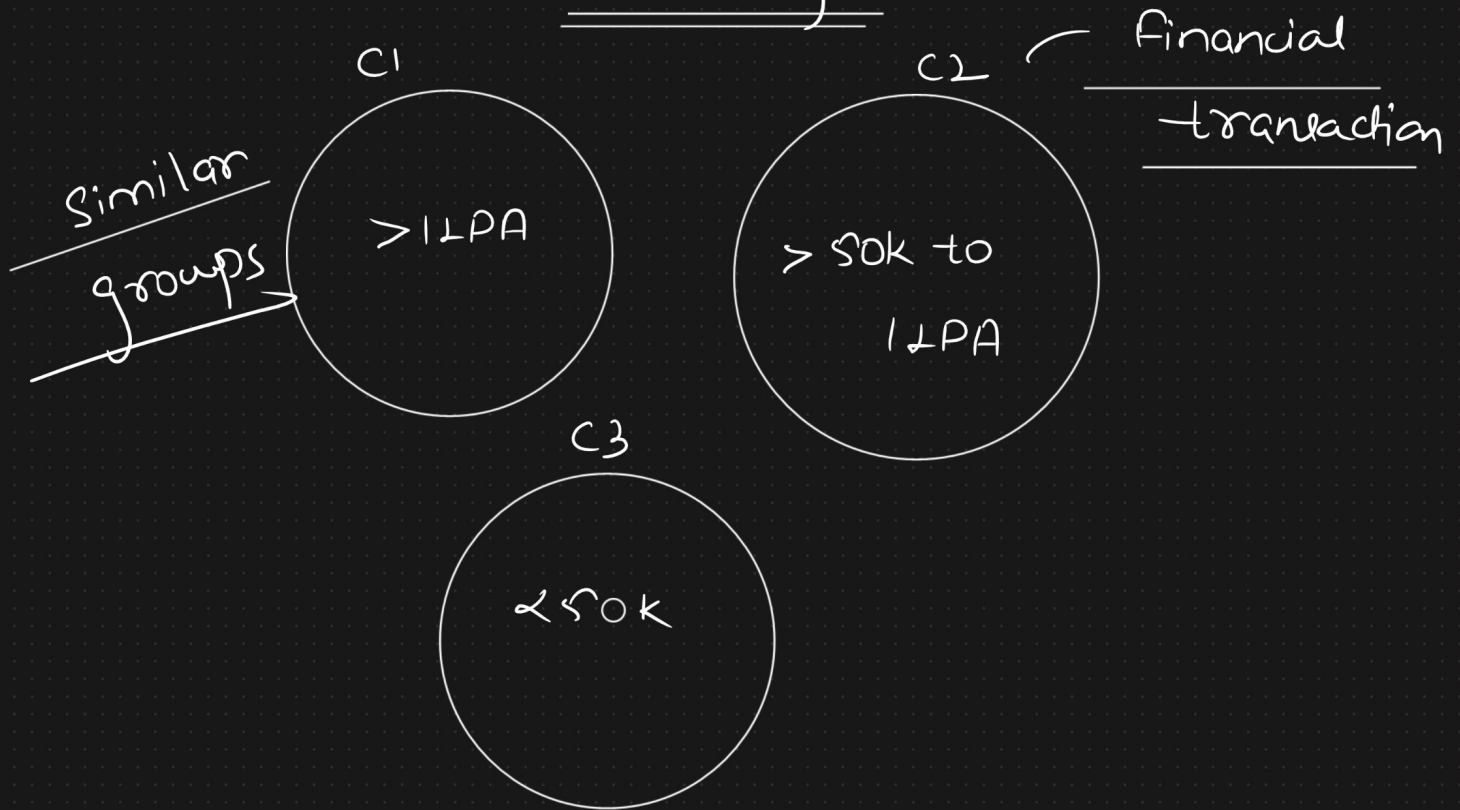
(Regression Problem)

	f_1 (No of Bedrooms)	f_2 (Locality Area)	f_3 (Bathrooms)	f_4	f_5	target (House Price)
1.						2.04 cr
2.						1.23 cr
3.						50 Lakh
1000						

② Unsupervised Machine Learning

→ Target column/Labelled
column not
available

Clustering



③ Semi-supervised Machine Learning

└─> Healthcare

Diabetic / Non-Diabetic
(1) (0)

Real time
industry
we
case

500 Records — Target value ✓

500 Records — No target value

