Recap we have learnt so farz in machine learning What topics Madrine Learning Unsupervise Learning Supervised So forme have discussed ML Algerithms which are superxised. Tontinuons (Regression). target > ategorical (classification)

## Regression

y is continuous in nature

Exi
(1) Housing price prediction.

(2) Prediction of Scare in

Oral test based on the scare
in written test.

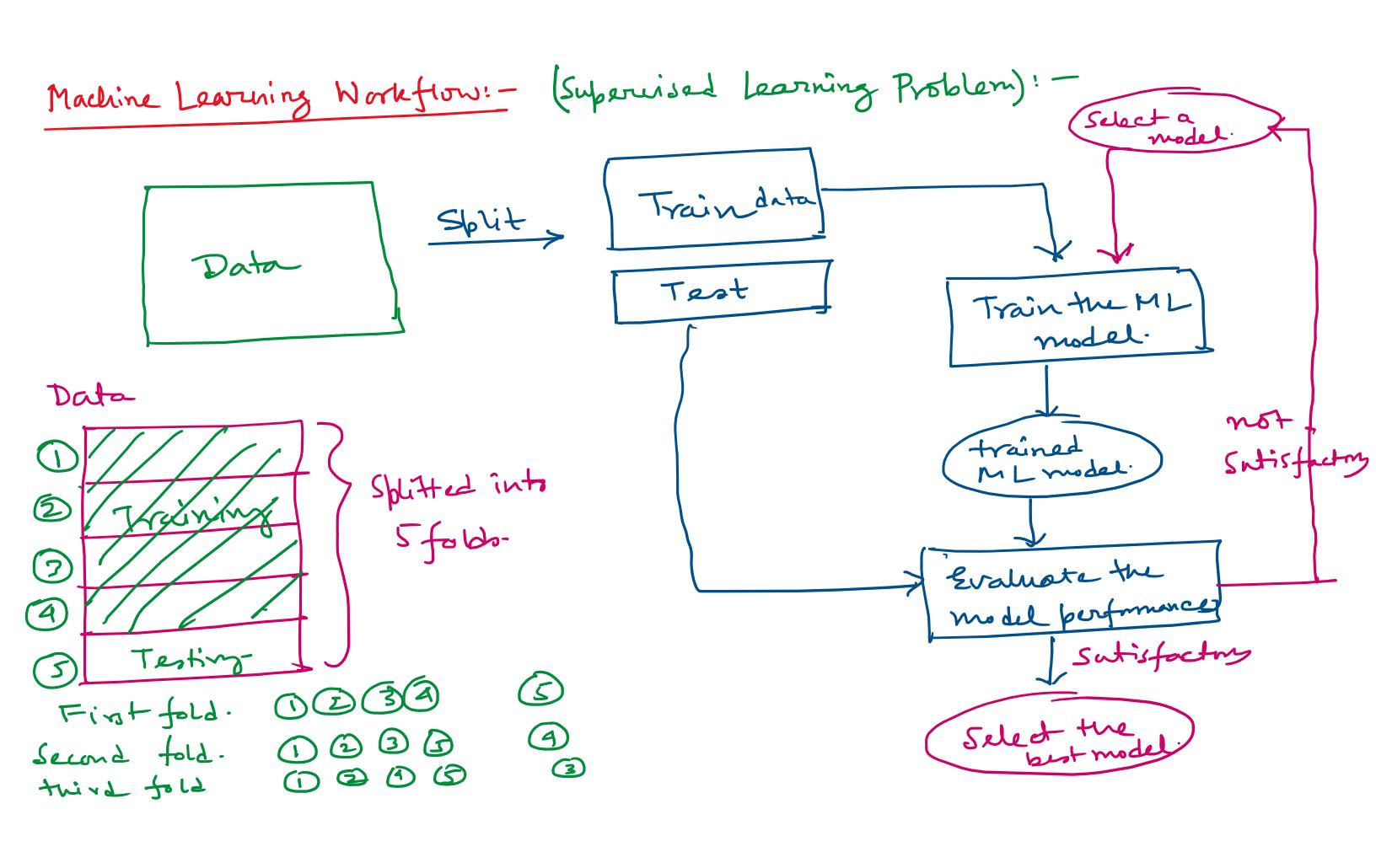
clasification

If the twigst variable I is categorical in nature then

it is alled classification.

Multiclass classification

Binary classification (only two possible classes). (More than two classes)



What Algorithms we have learnt so far!

Regersion

Linear Regression

KNN Regression.

Decision tree Repression

Randomforest Regrission.

Support Vector Machine Regresion.

yet to learn

Clanification

Logistic Regression

K-NN clasifier

Decision tree clanifier.

Random forest classifier

Support Vector Madine clasifier.

Naive Bayes clamifier-

Adarsoost XGROOST ANN

> Binary classification > mutidans classification. Train-test split 7 Cross-volidation. ? Porfumance métrics & how to evaluate a model's performance-Hyper-parameter fining.

Clarification Problem Imp wanced Suppose I tonin a clanifier # instance which produces '0' all the time. Suppose I feed this dataset (1000 -) 05 to our classifier the prediction is all soos instance. 950 × 1007. = 957.) Accuracy-