# Supervised

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**Difference between regression and classification**
Classifying between 2 classes or predicting a category--
**classification**--confusion matrix and accuracy for valuation

Trying to predict a continuous value--**regression**--
r2 for evaluation

## Some common ML Algorithms

- Linear regression,Logistic Regression, KNN, Decision Tree

## Steps

- Prepare Data
- Decide target(y) and feature(x)
- Split into test and train
- Model using train data
- Predict using test data
- Evaluate using predicted and actual results
- For Classification Accuracy and Confusion matrix
- For regression R2 value
- Check for results for validation

## Lets Start Machine Learning with simple Iris Data set