Machine Learning

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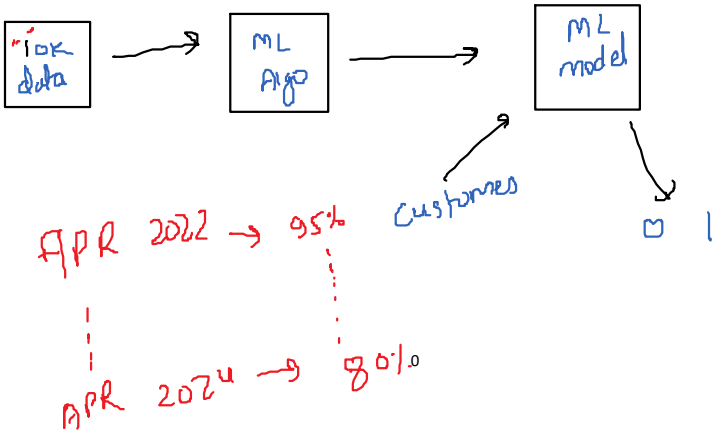
Supervised Machine Learning

- Can be used to solve problems such as predictions, recognition
- Always need labelled business data
- The algorithm is trained using training data and a trained model is used to make predictions, the trained model does not carry/store the training data (it stores patterns), the trained model stores the patterns in the form of some equations.
- The trained model is deployed in production, it makes predictions in production, it does not learn/improve in production, it remains static in production.

Case 1: Banking customer churn prediction
Objective: to develop a model to predict whether a customer will leave the bank or stay with the bank



Case 2: Digit recognition from images for cheque images
Objective: to develop an ML model to recognize digits (0 to 9) from image which can be further used to extract cheque number from image.