LEARNING

Module 1: Machine Learning - Basics

Module 2: Python Basics for Machine
Learning

Module 3: Python Librarius for ML

(Numpy, Pandas, Matplotlib,

Seaborn)

Module 4: Data Collection and

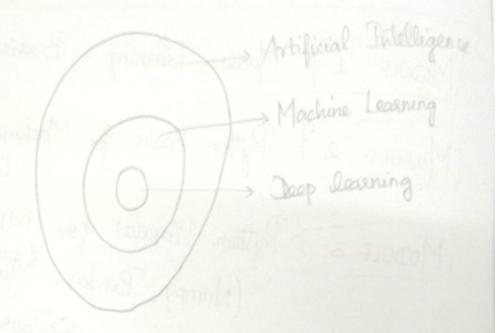
Pre perocessing.

ML USE CASE 2: Rock Vs Mine Prediction

ML USE CASE 2: Diabetes Prediction

ML USE CASE 3: Spam Mail Prediction.

ML USE CASE 3: Spam Mail Prediction.



Artificial Intelligence) > concerned in bruilding

Smart & intelligent

Bike, watch | Mon-intelligent machines

machines

Intelligent Google Assistant)

Machine Learning » technique to Implement

AI that can learn from

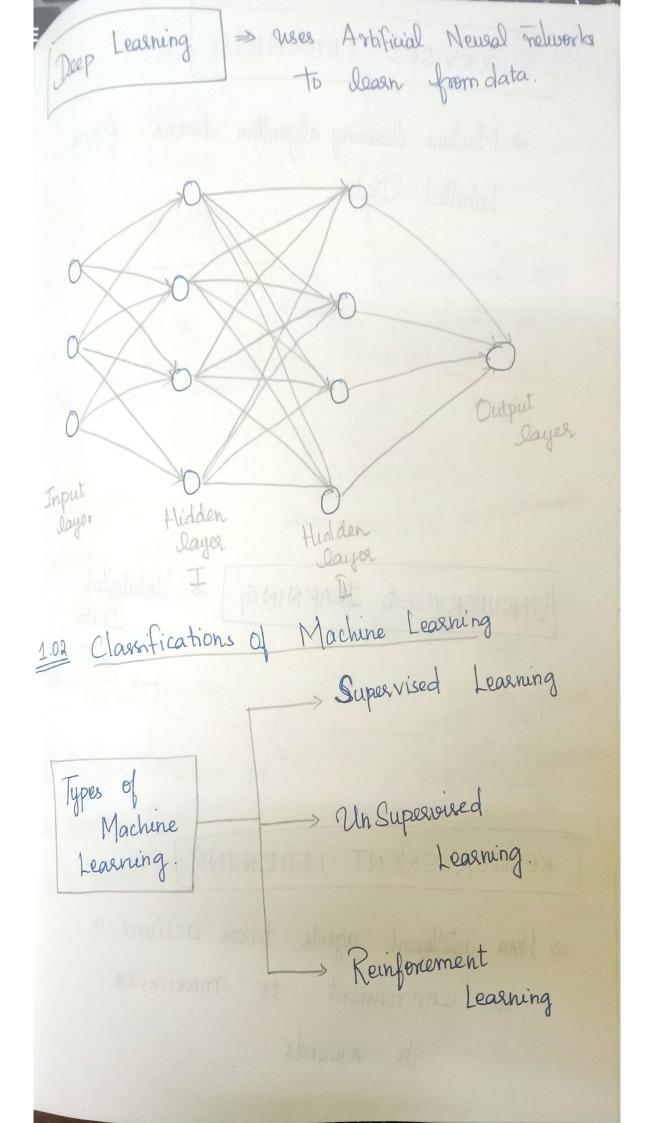
the data by themselves withoutbeing

explicitly programmed.

Iron Man & Captain America. Dog or Gat

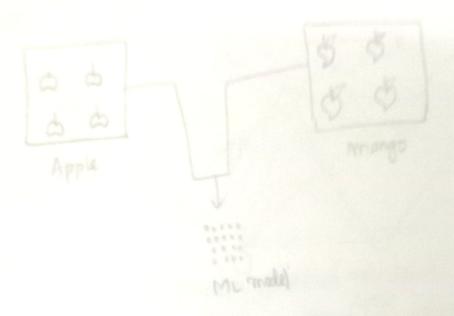
Machine learns to classify them through

given data.



SUPERVISED LEARNING

Machine Manning algorithm Mains from Labelled Data

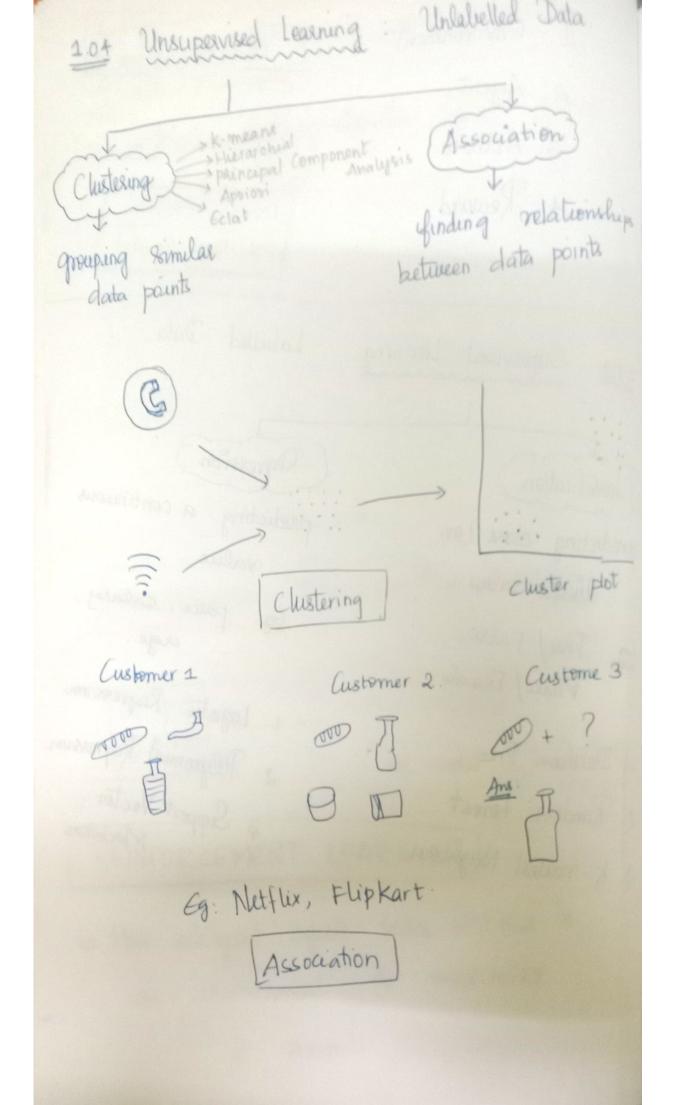


UNSUPERVISED DEARNING > Unlabelled Data

REINFORCEMENT LEARNING

⇒ How intelligent agents takes actions in an environment to maximize its newards.

1. Environment 2. Agent (Agent) 3. Action moves - Action 4. Reward. pas/Neg - Roward Supervised Learning: Labelled Data. Regression. Classification pledicting a continuous predicting class (00) value. dissate values. Eq: paice, salary, g: True/ False, Male/ Female. 1. Logistic Regression 2. Polynomial Regnession 1. Decision Tree 3. Support Vector Machines 2. Random Forest 3. K-nearest Neighbour



Topics to be covered next 1. Importance of Data in Machine Learning 2. Where to collect the Data? 3. Demonstration of Data Collection. Dog 1900 and Machine Learning model * Kaggle - ruebsite 02. * UCI Machine Learning repository. * Google Dataset Search lufreural meturonies are much Pouseful There Deep Learning's rused? es) Health (ose end evernantul (2) grission Period Versing (2) (2) Confund (2)