Weekly report of lessons

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The topics covered : Type of Computing , Assumptions for ML, Learning Parameters , Different Methodologies in ML,Different types of learning , Concept learning with Example , Representing hypothesis , Inductive learning Hypothesis.

Summary :

- The two types of computing methods are ,Computing by algorithms and Computing by learning.First one is the traditional approach and the other one is with the help of data sets and past experiences .
- For applying ML techniques we assume that we have a certain amount of data available and there should exist some pattern in data & from these we should be able to construct a model.
- For a Machine to learn anything we have to specify what has to be learnt?- It is known as a task , How it has to be learnt ?- Its learns fro past experiences , and should have a feature for performance evaluation .
- Classification (Eg :YES or No kinds of problems) , Association (Eg : If X is performed then how likely Y will be performed)
- Supervised learning(Learning with Labelled data) , Unsupervised learning (Learning with unlabelled data and Find) , Reinforcement learning(applying a set of actions to reach the goal)
- Concept learning involves generating functions from a set of training examples which include their result in the form of positive or negative .
- Each hypothesis is represented as a conjunction of constraints on the attributes , these may be of type ‘ any value’, ‘no value’ or ‘specific value’ .
- If our function is able to approximate over a good number of training examples then it will also be able to perform well in case of unseen values.

Concepts challenging to comprehend : Mathematical Notations

Interesting and exciting concepts : None

Concepts not understood : None

Any novel idea of yours out of the lessons : With the help of concept learning we can build a model that could be helpful in agriculture needs such as perfect days to grow crop depending upon weather(current and future) , soil condition etc.