# Lecture 1 "Supervised Learning Setup" -Cornell CS4780 Machine Learning for Decision Making SP17

Machine Learning are the algorithms that improve on some task with experience, which is the informal definition.

More formally, Machine Learning is a computer program A that is said to learn from an experience E with respect to some class of tasks T and performance measure P, if its performance at tasks in T, as measured by P, improves with experience E.

It involves training the program with some data and later using them for testing.

The more data is feeded, better will be the performance of the program.