

Machine learning is the field of study that gives computers the ability to learn wit being explicitly programmed.

- Arthur Samuel, 1959

A computer program is said to learn from experience E w/ respect to some task T and some performance measure P it its performance on T measured by P improves w/ experience E.

Tom Mitchell, 1998

The two most common types of ml algos are supervised and nonsupervised learning.

Supervised Learning!

Refers to training algorithms by giving a dataset in which the "right answers" are given.

Regression problems - predicting continuous values Classification problems - predicting results in a discrete output/categories by main two categories of supervised learning

Unsupervised Learning!

he fers to using an algorithm to find structures in data wit telling it what each data point is:

Lyine, Discovering structure from unlabelled data

-no feedback on prediction results

Main two categories are clustering and non-clustering leng. Cocktail Party Algorithm)