

1 Introduction

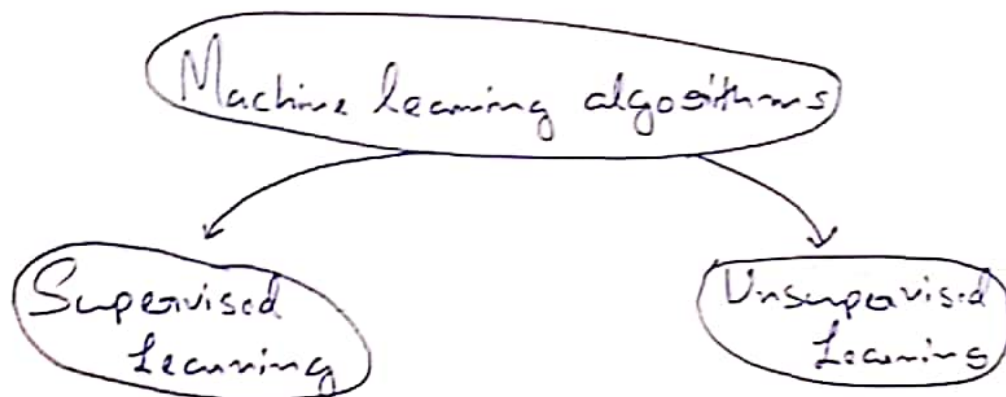
1.1) Welcome

→ Machine learning grew out of work in AI.

1.2) What is machine Learning

→ Field of study that gives computers the ability to learn without being explicitly programmed.

Arthur Samuel (1959)



1.3) Supervised Learning

→ (We gave the algorithm the data set with right answers)

↓
} and the task of the algorithm was to predict the right answer for the next question }

⇒ Regression :: Predict continuous value output.

⇒ Classification :: Discrete valued output (0 or 1)

(Support Vector machine)

→ Can have more than two values.

1.4) Unsupervised - Learning

Algorithm ~~that~~ that learns from test data that has not been labeled, Classified or categorized

→ Clustering

Give the algorithm a ton of data ask to find structure in it.

