Intro

Monday, October 03, 2016   10:50 AM
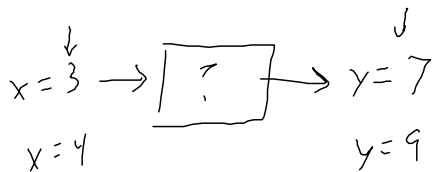
Machine Learning

(Supervised)

You have a set of data (X) (examples)
You have a set of answers (y)
Train mechanism to map $x \rightarrow y$

— Unsupervised

Don't have the answers

NN — Guess a function

$x = 3 \rightarrow \boxed{?} \rightarrow y = 7$ $\cancel{y = x + 4}$
$x = 4$ $y = 9$ $y = 2x + 1$

NN is a technique for learning / guessing a function

$X \twoheadrightarrow Y$

NN can approximate a large number of types of functions