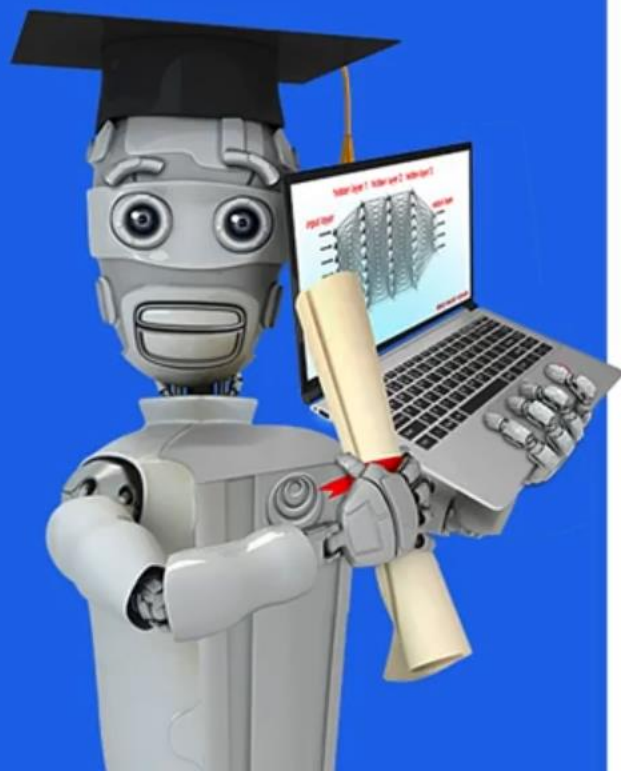


Stanford
ONLINE

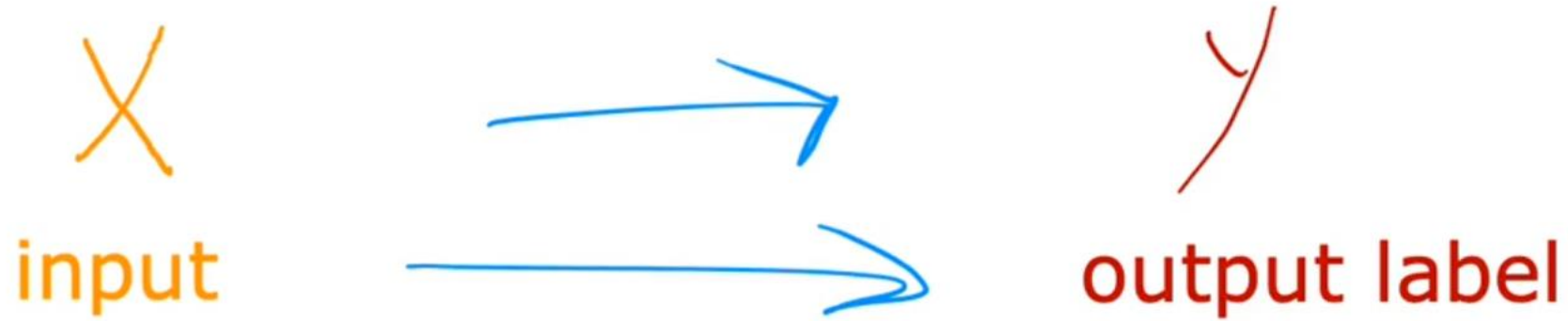
DeepLearning.AI



Machine Learning Overview

Supervised Learning Part 1

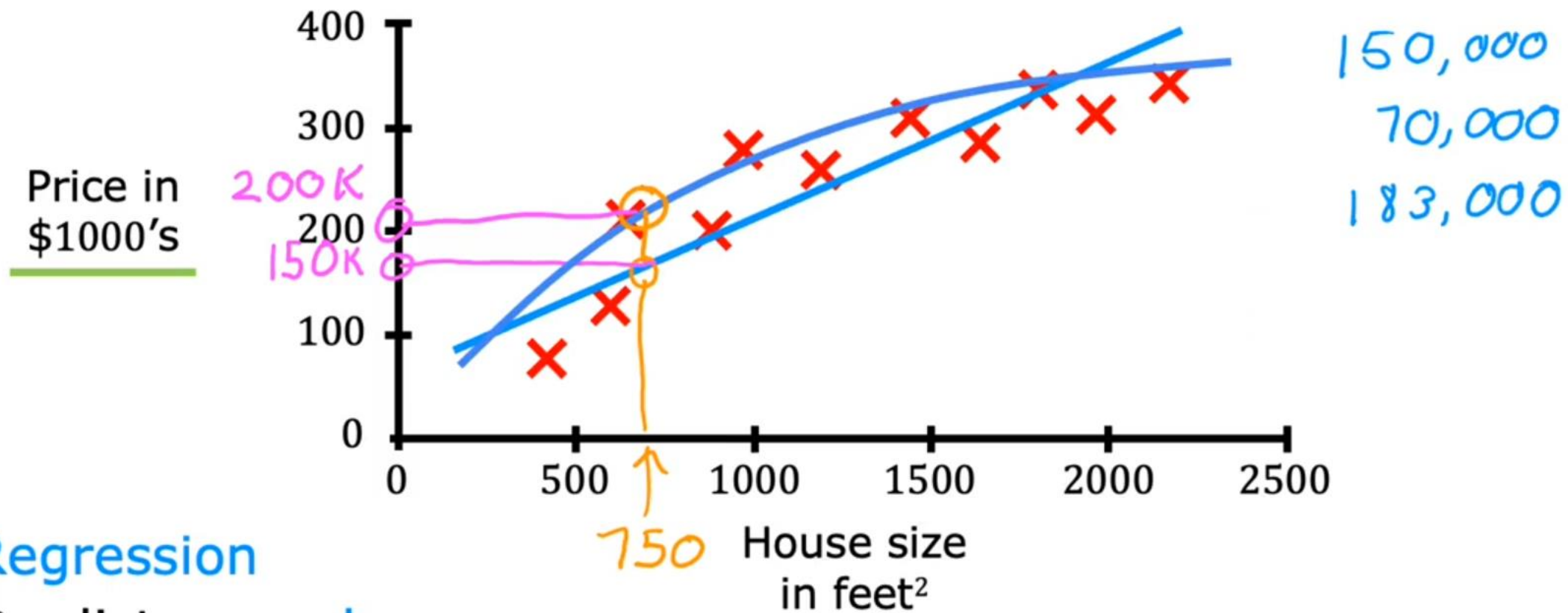
Supervised learning



Learns from being given “**right answers**”

Input (X)		Output (Y)	Application
email	→	spam? (0/1)	spam filtering
audio	→	text transcripts	speech recognition
English	→	Spanish	machine translation
ad, user info	→	click? (0/1)	online advertising
image, radar info	→	position of other cars	self-driving car
image of phone	→	defect? (0/1)	visual inspection

Regression: Housing price prediction



Regression

Predict a **number**

infinitely many possible outputs