Stanford CS229: Machine Learning - Linear Regression and Gradient Descent | Lecture 2 (Autumn 2018)

Outline

- Linear Regression
- Batch GD/ Stochastic GD
- Normal Equations

Notes

In supervised learning we have:

train data [Size, Price] > Learning Algo. [Size] > Make Predictions H [Price]

Questions

- How do we represente H (hypotesis)?

In Linear Regression, out h(x) = x*w + b, which is a linear equation.

If we have, let's say, more features:

- [size]
- [nº bedrooms]

we simple, multiply by it too, so: h(x) = xixiiw + b or

$$\text{h(x)} = \sum_{j=0}^{2} xjwj + b$$

, where xo = 1.