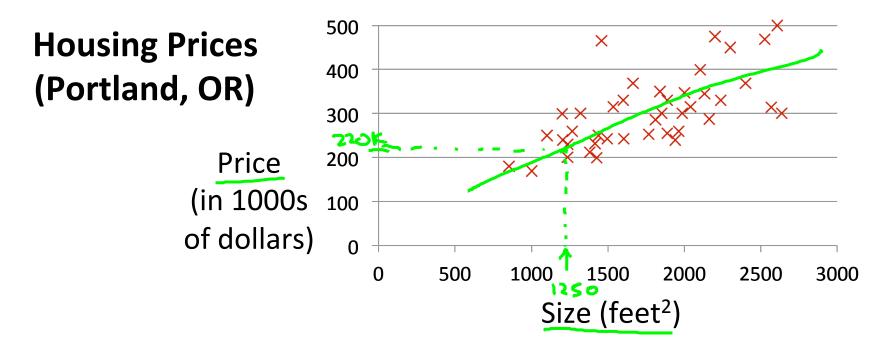


Machine Learning

Linear regression with one variable

Model representation



Supervised Learning

Given the "right answer" for each example in the data.

Regression Problem

Predict real-valued output

Classification: Discrete-valuel output

Training set of housing prices (Portland, OR)

1416

1534

852







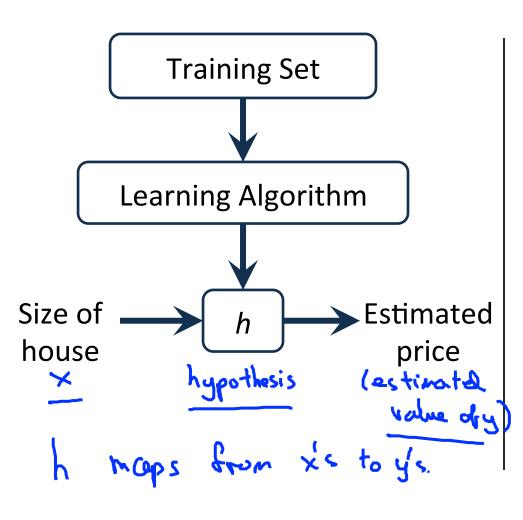




178

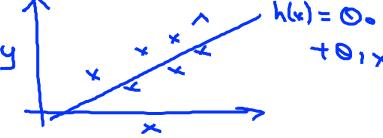


$$\times^{(2)} = 1416$$



How do we represent *h* ?

$$h_{\mathbf{g}}(x) = \Theta_0 + \Theta_1 \times Shorthand: h(x)$$



Linear regression with one variable. Univariate linear regression.

L one vorial