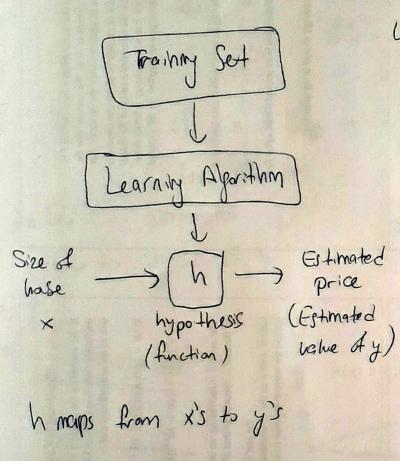
> Linear repression with one variable Lecture 2.1 Model representation Housing Prices con (Partland, OR) gra Prile: (in Losss of Illars) 52 1000 1500 2000 252 3000 Size (fact) Spoulsed Learning Guer the "right onimer" for each example in the dater. Legression problem Predict real-valued output Classification: Discrete-uglied output More formally in spersed learning we have a data set and this a training set deta set is called Size in foot 2(x) Price(\$) in Lood (4) Training set of Size in tout hasing prices 2104 460 -232 315 m=47 178 1416 (Portland, OR) m = number of training examples 852 2's=input" vorlable (features ) Is = "output" veriable / "topet" veriable (X14) - one trainy example is just index, not exponentiation! (x(i), y(i)) - ith training example

$$(2) = 2104$$
 $(2) = 1416$ 
 $(3) = 460$ 



Why function name is hypothess?

It's them, notyy

How do we represent h?

ho(x) = Qo + Qi.x

Shorthand: h(x)

