Difference with linear regression -> output for continuous independent variables Logistic regression -> Categorical output

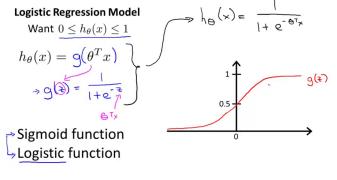
Example of Binary logistic regression

Fake news detection, whether someone has diabetes or not

Input: Facebook post/status

Output: whether the status is fake or real (here the output is binary)

Hypothesis function sigmoid function



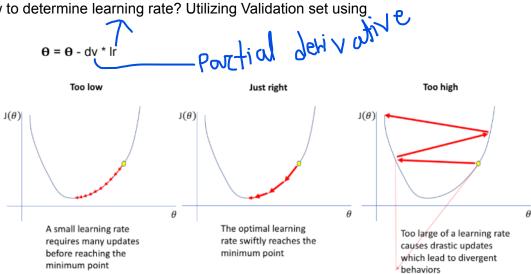
How to get the theta?

Loss function will determine How good is the theta?

What"s the usage of learning rate?

We choose learning rate arbitrarily first.

How to determine learning rate? Utilizing Validation set using



Mainhte are undated using the training set