



Taxas p/ emigrar:
pesquisar,

ORIENTAÇÃO: R\$ 100,00

CEBRUSA

Cajamar, 31 de outubro de 2018

Coursera, Machine Learning, Week 2

- Optional assignment
- Gradient descent (0,035% deviation)
↳ check this
- Normal Equation - OK! OK!

Cajamar, 01 de novembro de 2018

Classification → logistic regression

→ negative class

$$y \in \{0, 1\}$$

↳ positive class

$$y \in \{0, 1, 2, 3, \dots\}$$

↳ multi-class classification problem

~~no. 7: logistic regression 20 & $h_{\theta}(x) \leq 1$~~

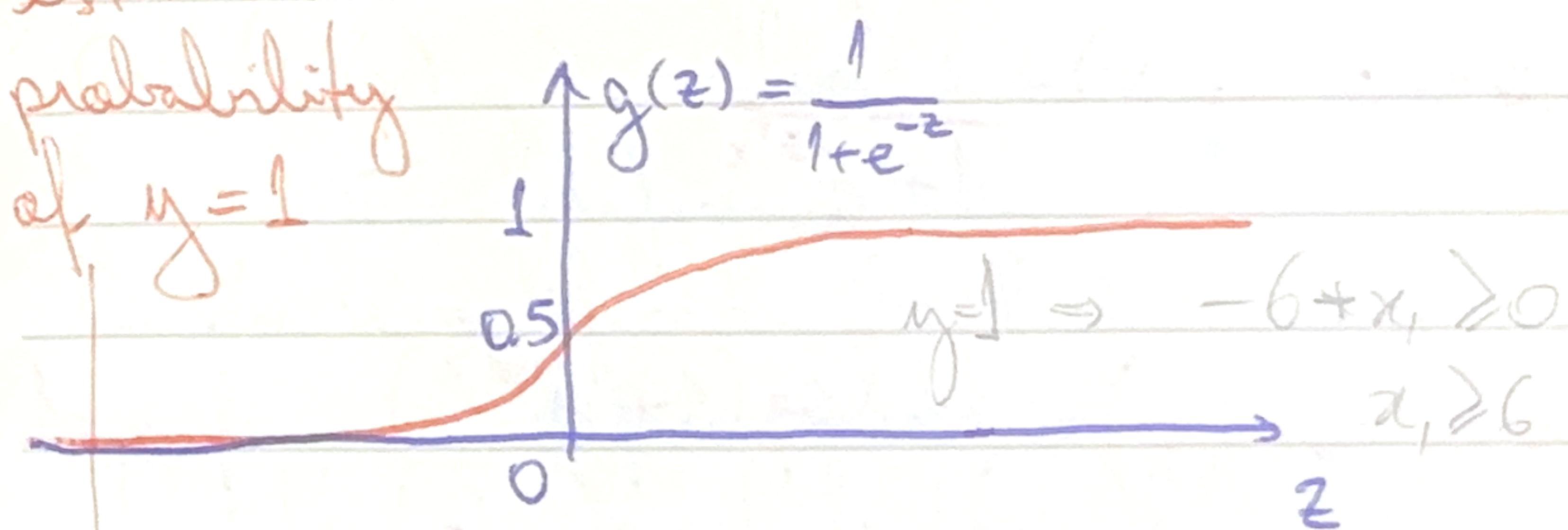
$$l = -\sum_i y_i \ln(h_{\theta}(x)) + (1 - y_i) \ln(1 - h_{\theta}(x))$$

$$o = g(z) = \frac{1}{1 + e^{-z}}$$

sigmoid (or logistic) function

$$h_{\theta}(x) = \frac{1}{1 + e^{-\theta^T x}}$$

$$g(z) = \frac{1}{1 + e^{-z}}$$



$$h_{\theta}(x) = P(y=1 | x; \theta)$$

$\theta^T x$ → define the decision boundary

