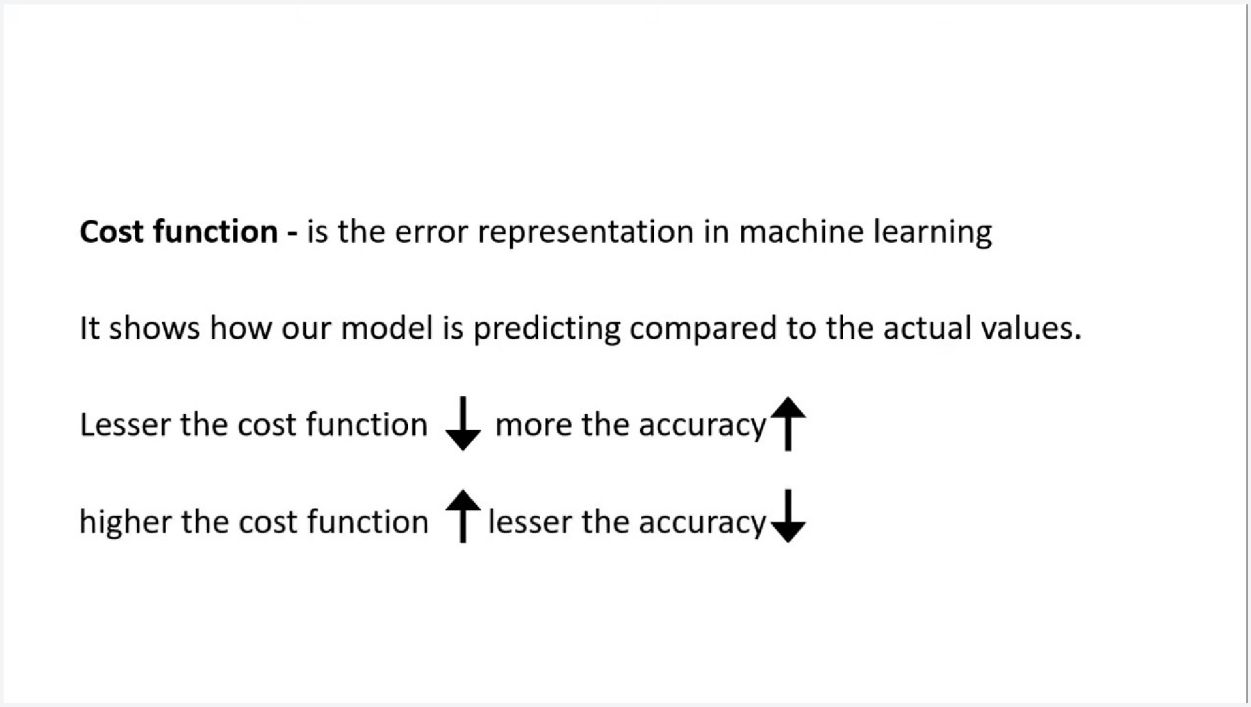
NoteGPT

4 notes 4 screenshots

00:44

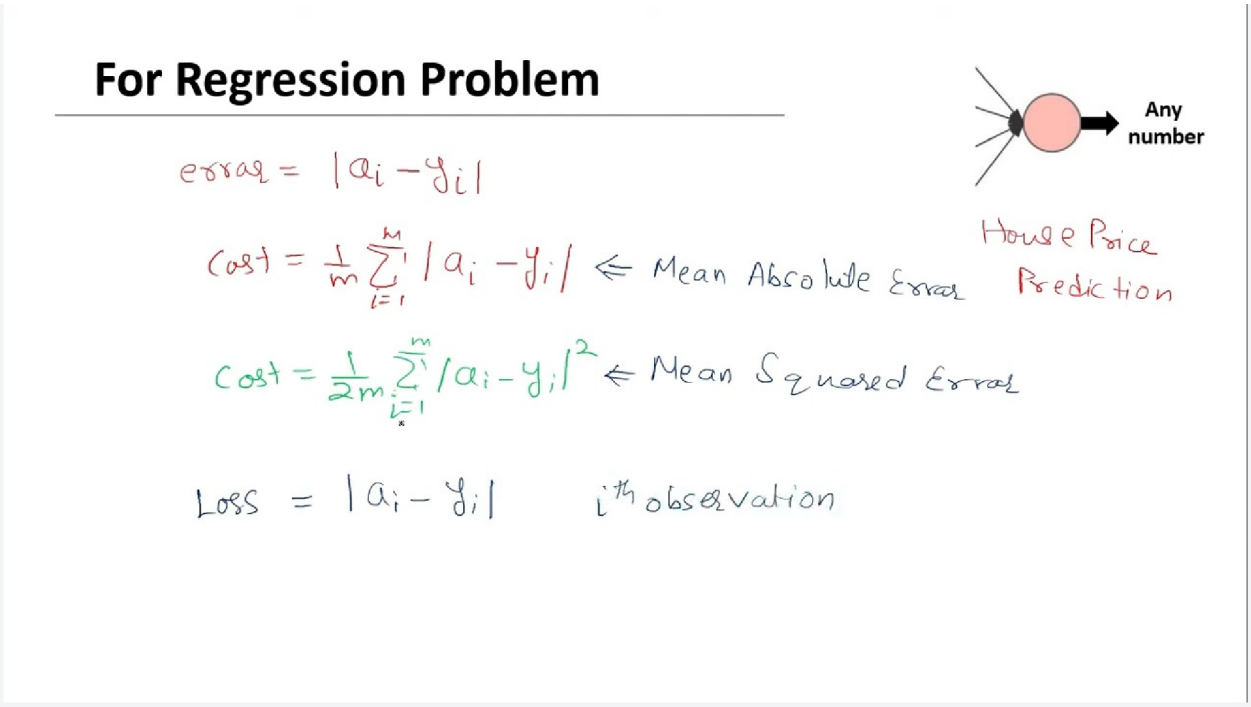
cost function



29 minutes ago

03:14

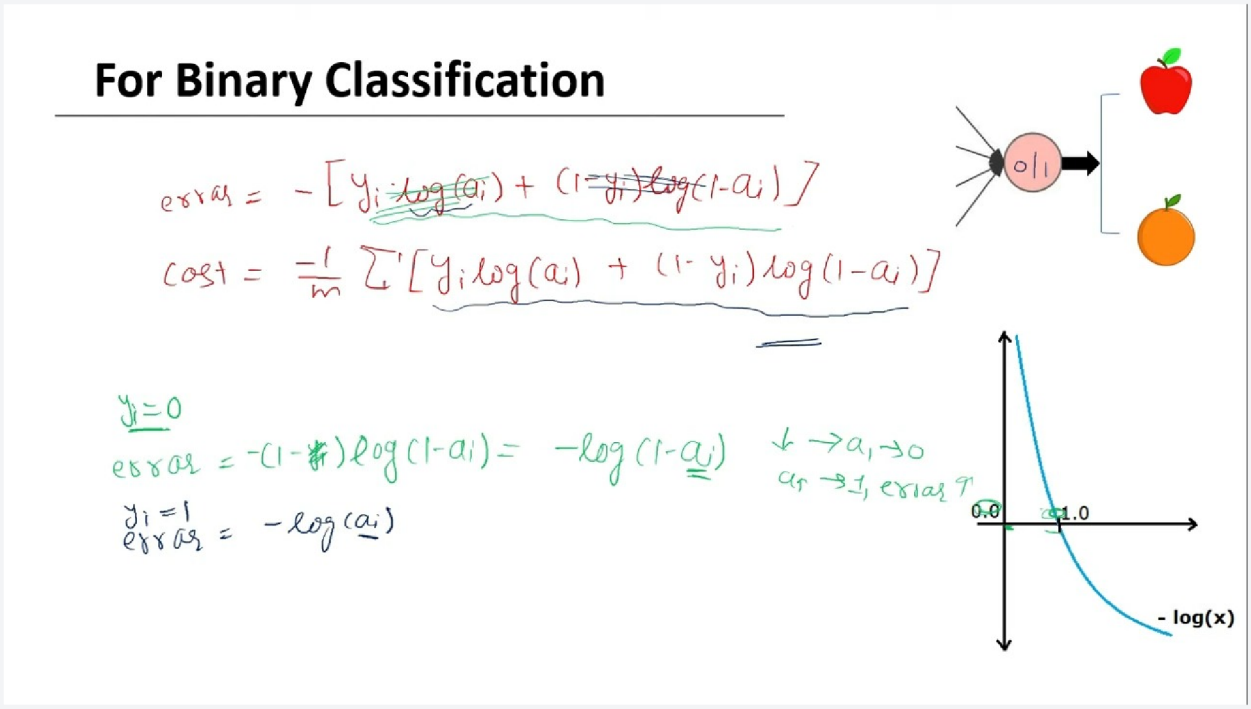
For regression problem



20 minutes ago

06:30

For binary classification



10 minutes ago

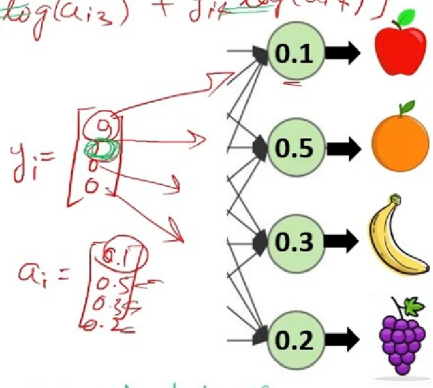
09:04

for multi-class classification

For Multi-Class Classification

$$cost = \frac{-1}{m}\sum [y_{i1}\log(a_{i1}) + y_{i2}\log(a_{i2}) + y_{i3}\log(a_{i3}) + y_{i4}\log(a_{i4})]$$

$$error_i = -\log(0.5)$$



$$cost = -\sum_{j=0}^{M}\sum_{i=0}^{N}(y_{ij} * log(a_{ij}))$$

N = total neurons in output layer
M = total number of observations

Categorical Cross Entropy

3 minutes ago