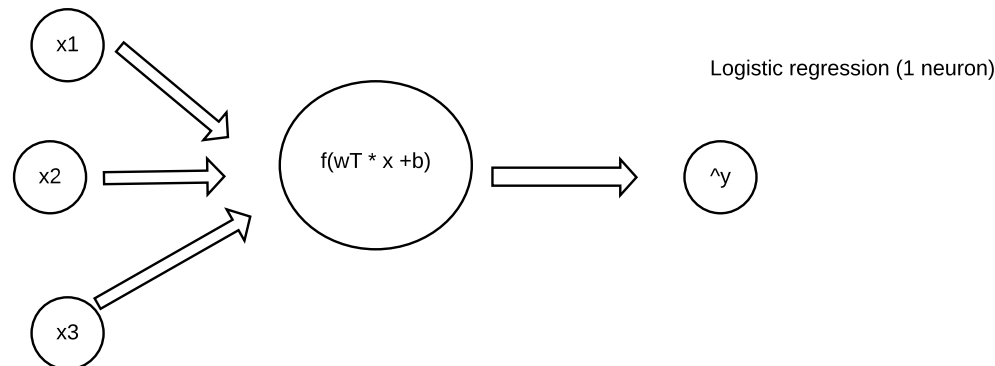
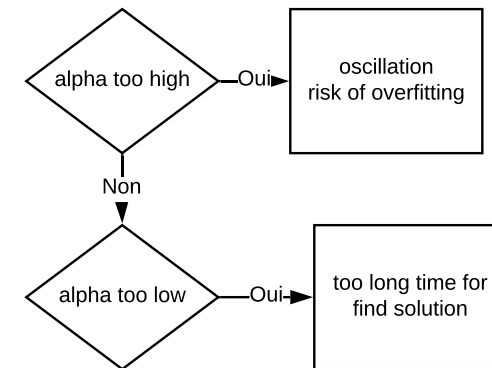
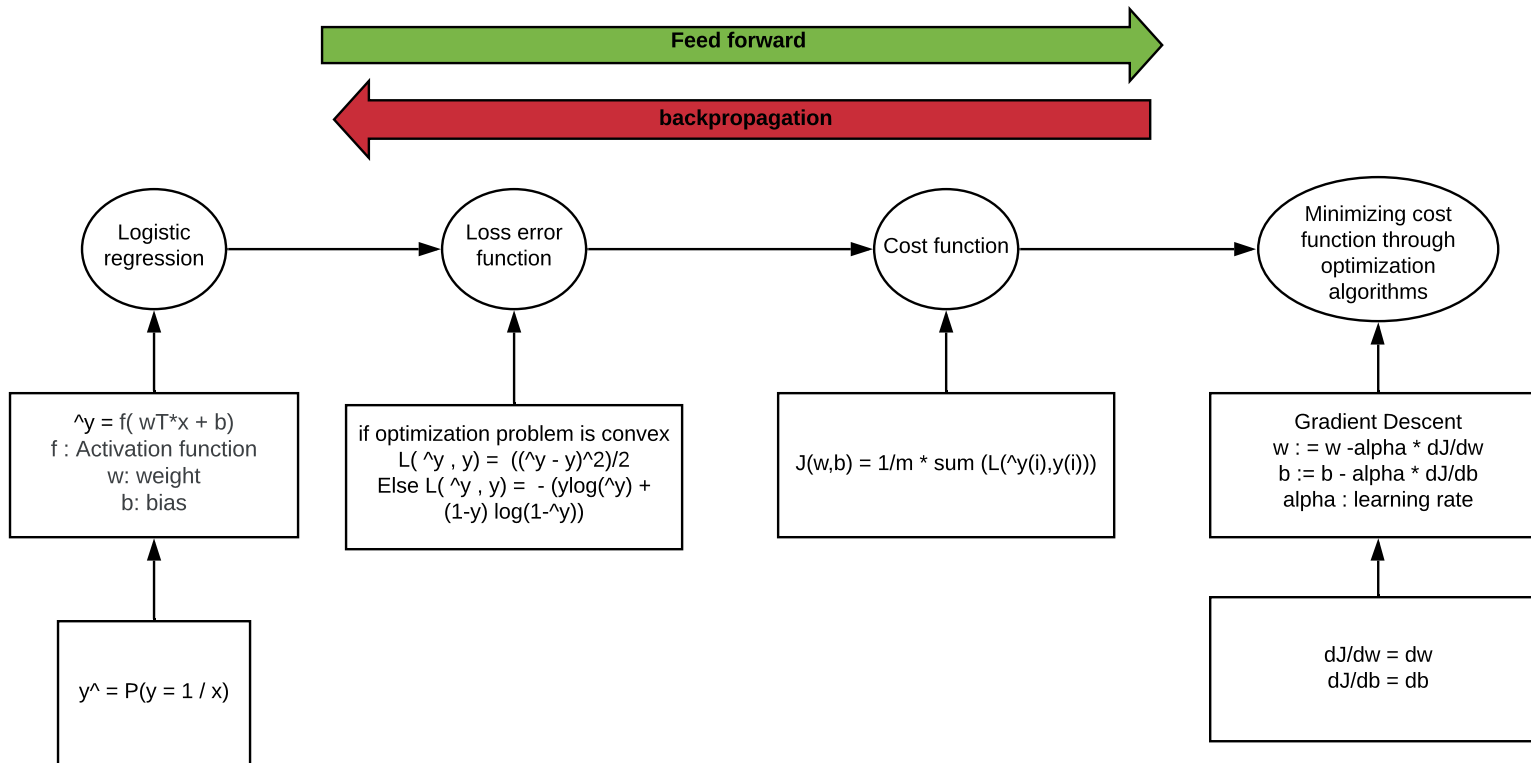


# Logistic regression

(i) for # of sample  
[i] for # of layer  
{i} # of mini-batch



## different functions of activation

- sigmoid: For binary classification
- tanh: if we have centered mean data in 0
- ReLU and Leaky ReLU: For Rectified Linear Unit - learn much faster