

Original Training Set

Training Validation

= 90% ~ 10%

Cross entropy cost function

Probability that
my ontput Corresponds

Probability that $y_{KM}^{(R)}$ MATCHES its tourget 0 1.

P - Txm=1 - y (R) - Txm=0 - 1- y (R) - Txm=0 - 1- y xm

$$P = y^{(R)} T_{KP} \left(1 - y^{(R)} \right)^{1 - T_{KP}}$$

1 layered network:

Logistic regression algorithm

Purely classification algorithm