

Four binary clossification, purtion.

has riguroid activation function. If in classification, she output label,

are in negative values then

we use tanh activation. tanh (x) = ex - ex ex ex , For welti-class dalripication, no of news,
in output layer is no of classes.

even the each sample can only belong
to the layer of the court of the to I class at a time, because there is no activation function which can Phoduce the class ids as output > Softwax is used to puedict the probabilities.
> Softwax (x) = e²ⁱ
\$\frac{5}{2}e^{2i}\$ > gar multi-label classification, output leyen wer liguroid/tanh activation function. It is just a concept. * LOSS FUNCTIONS. If label en coding is done in intermediations then loss is spainter-categorical-

PRICE CONTRACTOR If the low wied it cologonial every Sour binary clerrigication, love used is. - in the you (log y's) 10-y-) (log ; LBCE 8.0 0,2 0.6 53 -0 0:9 $BCE = -\frac{1}{4} \left[\frac{(1 \times 0.18 \times \log (0.18) + (1-1)(\log (1-0.8))}{(0 \times \log (0.2) + (0.1-0)(\log (1-0.2))} + \frac{1}{(0 \times \log (0$

2015 Page No. > Lece = - 2 + : (sg (3:) T: = ground tout Personal ! For regression, loss med is me/mae/ surse mape Rd why only we, was, It are wed to other with hors functions descovered is all in graph: which can converge to the global inivities. Applied the avoid overfitting by not depending on centain features on patterns. > Despositi can be used in injut ? hidden layeres but never in output Safe zone of proposit is 10-50% > when descipout is applied in teraining Scaled down by multiplying it by the dropout 1/1, before testing to avoid overfitting 30.