

Scanned by CamScanner

VF(wi) = \frac{m}{2} (y (i) - t(i)) \frac{d}{dw_i} (\frac{m}{i=1} g_i(r_i^{(i)}) \frac{a}{a}_i) \frac{1}{a} \frac{1}{a}_i \frac{m}{i=1} \frac{1}{a}_i \frac{ L'is le bias of output neuron. Again using V E(2) = & (y(1) - t(1)) g'(7(1)) \$ 10 ($-\cdots \not = g_{j}(r_{j}(i), \mathcal{Q}_{i}) + \mathcal{Q}_{j}$ $=) \nabla f(\omega) = \underbrace{Z(g^{(i)} - t^{(i)} g'(f^{(i)}) \cdot t}_{fw} (g(r^{(i)}\omega) + tb)$ = = (y")_+(i)) g(f(i)).g(r,") Formula for weight update: w(= w, (1) - h. ~ (g (i) - t (i)) g (f (i)) q (r (i))

Import layer - Hidden Layer.

$$W^{(R+1)} = W^{(R)} = h \cdot \nabla E(\omega x)$$

$$E = \frac{1}{2} \underbrace{\mathbb{Z}}_{i=1}^{n} \left(y^{(i)} - t^{(i)}\right)^{\frac{1}{2}} \cdot \frac{1}{2} \underbrace{\mathbb{Z}}_{i=1}^{n} \left(y^{(i)} + t^{(i)}\right)^{\frac{1}{2}} \cdot \frac{1}{2} \underbrace{\mathbb{Z}}_{i=1}^{n} \left(y^{(i)} - t^{(i)}\right)^{\frac{1}{2}} \cdot \frac{1}{2} \underbrace{\mathbb{Z}}_{i=1}^{n} \underbrace{\mathbb{Z}}_{i=1}^{n} \left(y^{(i)} - t^{(i)}\right)^{\frac{1}{2}} \cdot \frac{1}{2} \underbrace{\mathbb{Z}}_{i=1}^{n} \left(y^{(i)} - t^{(i)}\right)^{\frac{1}{2}} \cdot \frac{1}{2} \underbrace{\mathbb{Z}}_{i=1}^{n} \underbrace{\mathbb$$