Stage Running data through the network (forward Propagation)

The Moving from the Input layer to the hidden layer with our model from our lecture, we first got the sum of all the Inputs into nodes by and be using this equation netby (ai wi) this

netB1 = (0:15 ° 0:10) + (0:35 ° 0:12) + (1 ° 0:80) = 0:857 netB2 = (0:15 ° 0:20) + (0:35 ° 0:17) + (1 ° 0:25) = 0:3395

We now move the values from the hidden layer to the output layer to the output layer by applying the activation function to our net input values

(activation function = f(x) = 1

 $f(ne+b1) = \frac{1}{1+2.71828-0.857} \qquad f(ne+b2) = \frac{1}{1+2.71828-0.3395} = \frac{1}{1.424433719} = \frac{1}{1.71212646} = 0.7020 = 0.5841$

move to C1 and C2 by following the same steps we did previously (using both the summation operator/activation fundar)

netc; = (0.7020 '0.05) + (0.5841 '0.33) + (1'0.15) = 0.3779 ne+Cz = (0.702 '0.40) + (0.5841 '0.07) + (1'0.70) = 1.0217

H