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

Part of Moving from the hidden layer to the output layer we now move the values from the hidden layer to the output layer by applying the activation function to our net input values

(activation function = f(x) = 1

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

move that we have B1 and B2 calculated, we can now move to C1 and C2 by following the same steps we did previously (using both the summation operator/activation fundary)

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

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