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Neural Networks consist of the following components. An input layer, x . An arbitrary amount of hidden layers. An output layer, \hat{y} . A set of weights and biases between each layer, W and b . A choice of activation function for each hidden layer, σ . In this tutorial, we'll use a Sigmoid activation function.

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Make Your Own Neural Network 1, Tariq Rashid, eBook ...

A gentle journey through the mathematics of neural networks, and making your own using the Python computer language. Neural networks are a key element of deep learning and artificial intelligence, which today is capable of some truly impressive feats.

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