

THE UNIVERSITY OF THE SOUTH PACIFIC SCHOOL OF DISTANCE EDUCATION

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Figure 1: A schematic diagram of a simple neural network. It shows an input layer with two nodes, a hidden layer with two nodes, and an output layer with one node. Arrows indicate the flow of information from input to hidden to output, with weights represented by small circles on the connections.

Figure 2: A graph showing the error function, which is a common activation function in neural networks. The graph plots the error function against the input value, showing a smooth, S-shaped curve that ranges from -1 to 1.

Figure 3: A diagram illustrating the forward pass of a neural network. It shows the input values being passed through the hidden layer nodes, which are then passed to the output node. The weights and bias values are shown as small circles on the connections.

Figure 4: A diagram illustrating the backward pass of a neural network. It shows the error values being passed back through the hidden layer nodes, which are then passed to the input nodes. The weights and bias values are shown as small circles on the connections.