**Training the ANN with Stochastic Gradient Descent**

**Step1:**

Randomly initialise the weights to small numbers close to 0 BUT not 0

**Step2:**

Input the first observation of your dataset in the input layer. Each Feature is assigned one Neuron/Node

**Step3:**

Forward propagation is applied, where the input from left is propagated to the right. Neurons/Nodes are activated depending on the weights and threshold of the activation function

**Step4:**

Compare the predicted result with the target value. Calculate the error

**Step5:**

Backpropagation is from right to left. The error is back propagated and the weights are adjusted to how much they are responsible for the error

**Step6:**

Repeat Steps 1 to 5 and update the weights

**Step7:**

When the whole training set passed through the ANN, that makes an epoch. Redo more epochs.