



Neural Network Classifiers

- Value of a node may be linear combination of inputs, or may be a non-linear function
 - E.g. sigmoid function
- **Backpropagation algorithm** works as follows
 - Weights are set randomly initially
 - Training instances are processed one at a time
 - Output is computed using current weights
 - If classification is wrong, weights are tweaked to get a higher score for the correct class

