

Neural Network Architecture: Building Intelligence in Layers

INPUT LAYER

(Market Features)

Interest Rate



Volatility Index



Market Sentiment



Trading Volume



Yesterday Price



HIDDEN LAYER

(Pattern Detection)



OUTPUT LAYER

(Prediction)



Price Direction

Weights $W^{(1)}$

Weights $W^{(2)}$

Network Summary:
5 Inputs
6 Hidden Neurons
1 Output
Total Weights: 36

Information Flow

Each connection has a WEIGHT
Each neuron applies ACTIVATION FUNCTION