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 $\Delta w_i = \eta(y - o)x_i$ 1. Randomly Initialize Weights 2. Iterate Through Training Instances Until Convergence
 $O = 1$ If $W_0 + w_i I = 1$
 $N \sum x_i > 0$ 0 Otherwise " # \$ % \$ $W_i \leftarrow w_i + \Delta w_i$ 2a. Calculate The Output For The Given Instance 2b. Update Each Weight η
Is 1th, 2024.

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From Traditional Neural Networks To Deep Learning: ...Slow Biological Neurons, We Often Process Information Fast. The Need For Speed Motivated Traditional 3-layer Neural Networks. At Present, Computer Speed Is Rarely A Problem, But Accuracy Is - This Motivated Deep Learning. In This Paper, We Concentrate On The Need To Provide Mathematical Foundations For 4th, 2024

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