Backward = Backpropagation Loss $L(\mathbf{W})$ $\Delta \vec{w}$ $\Delta \vec{w}$ learning Output **Dendrite Axon** $\vec{w}\vec{x}$ $\vec{w}\vec{x}$ $w_1^0 x_1$ Predicted Sample Sample $\sum w_i^1 x_i$ $\sum w_i^0 x_i$ $f(\dots)$ $f(\dots)$ Input Output Label **Score** activation fct weighted sum weighted sum activation fct

Forward = Computation