

# PERCEPTRON LEARNING

Updated parameter  $\downarrow$  Current parameter  $\downarrow$

$$W'_j \equiv W_j + \Delta W_j$$

True  $y_i$   $\downarrow$  Input value  $\downarrow$

$$\Delta W_j = \eta \left( y_i - \hat{y}_i \right) X_{ij}$$

Learning rate  $\uparrow$  Predicted  $y_i$   $\uparrow$

ChrisAlbon