The Perceptron: Architecture

P/E Ratio

x_1

Momentum

x_2

Volume

x_3

...

x_n

w_1

w_2

w_3

w_n

Σ

b

Bias

$z = \sum w_i x_i + b$

$f(z)$

y

Buy (1)
or
Sell (0)
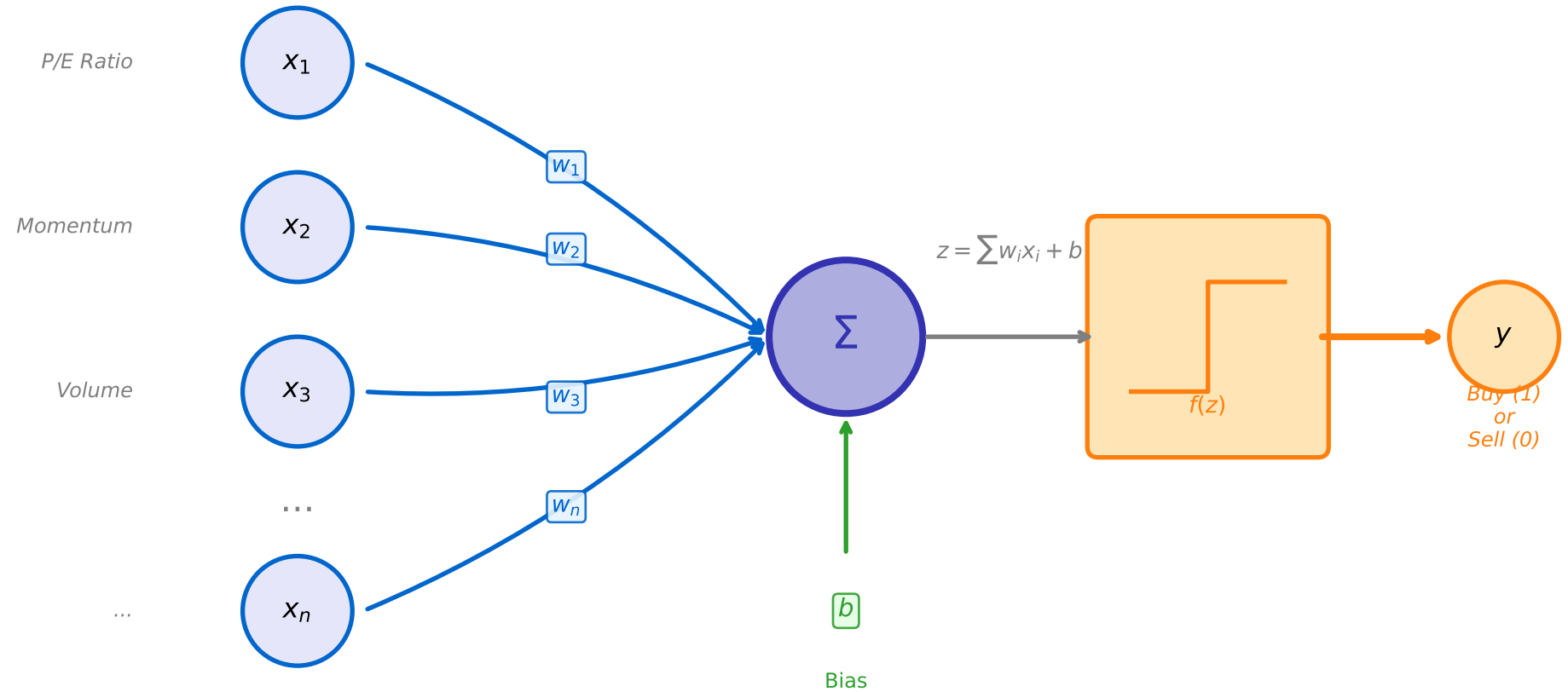
Input Layer

Output

Perceptron: $y = f(w_1 x_1 + w_2 x_2 + \ldots + w_n x_n + b)$