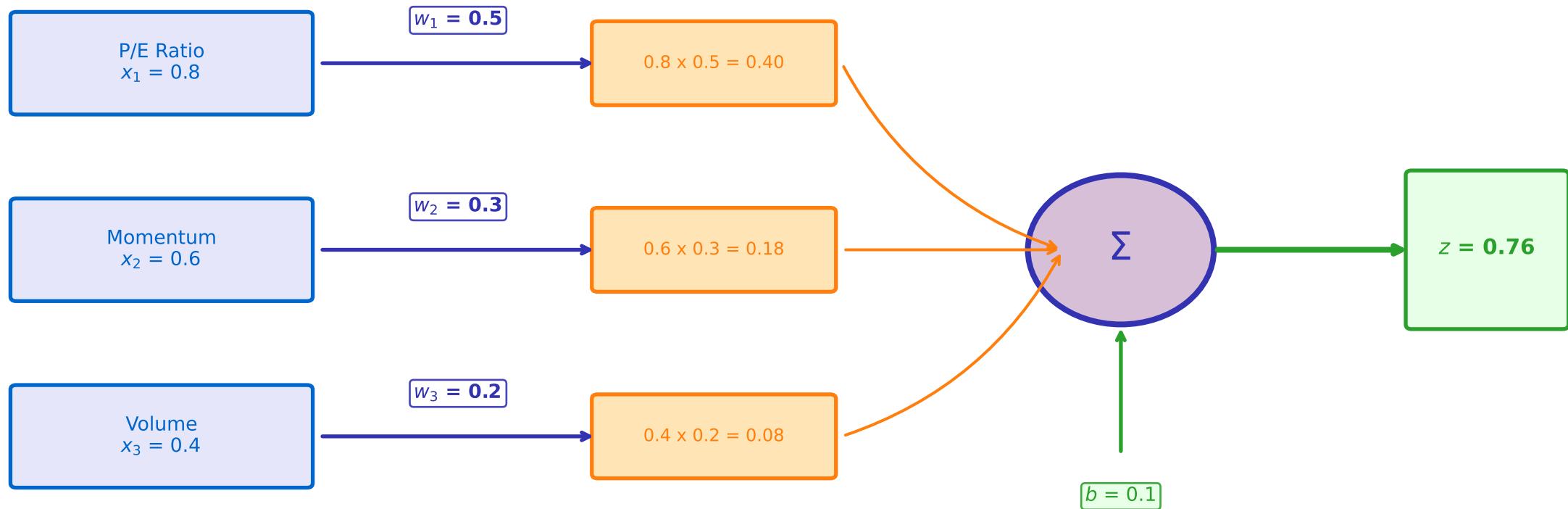


# Weighted Sum: How Inputs Combine



Finance Example: Combining multiple factors to score a stock

$$z = w_1x_1 + w_2x_2 + w_3x_3 + b = 0.5 \times 0.8 + 0.3 \times 0.6 + 0.2 \times 0.4 + 0.1 = 0.76$$