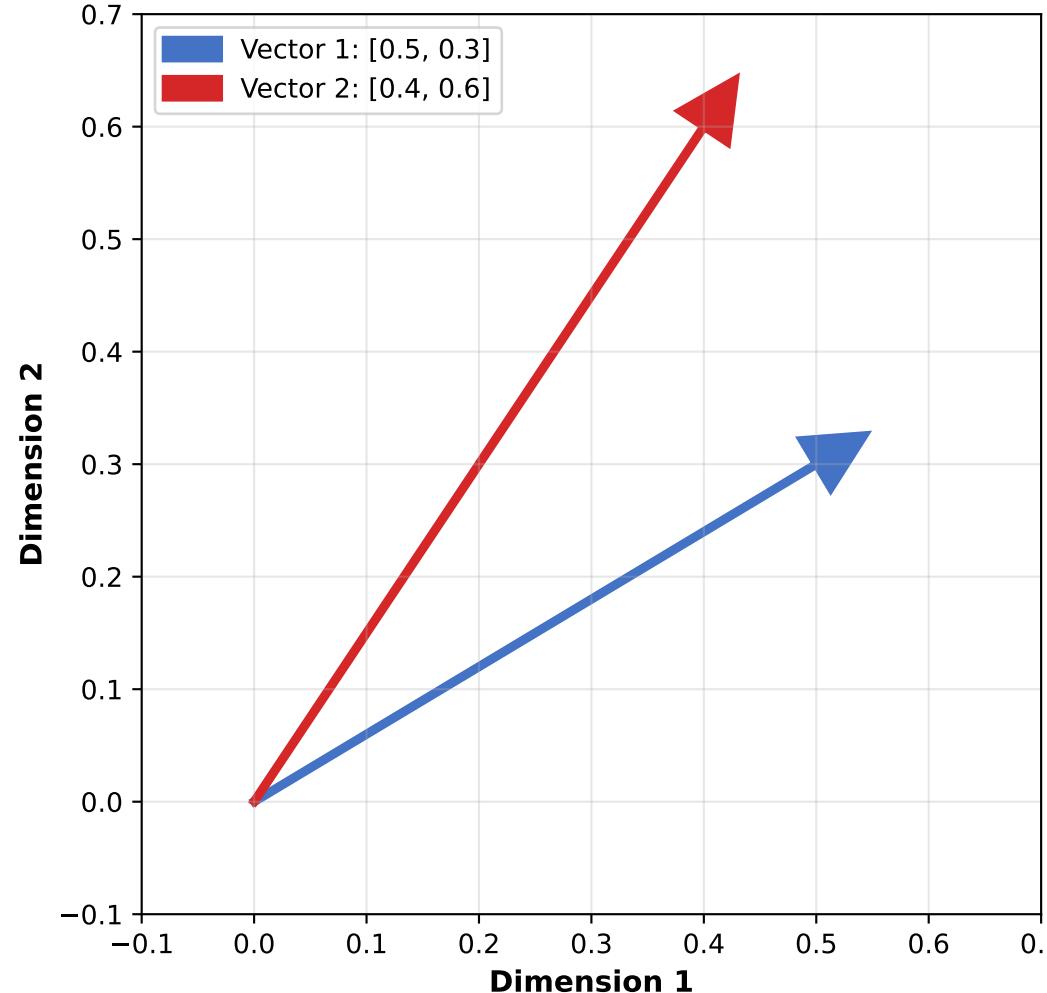


The Math: Dot Product Explained

Two Vectors



Step-by-Step Calculation

DOT PRODUCT CALCULATION

Vector 1: [0.5, 0.3]

Vector 2: [0.4, 0.6]

$$\text{Dot Product} = (0.5 \times 0.4) + (0.3 \times 0.6)$$

$$= 0.20 + 0.18$$

$$= 0.38$$

Higher dot product = More similar!

Lower dot product = Less similar!