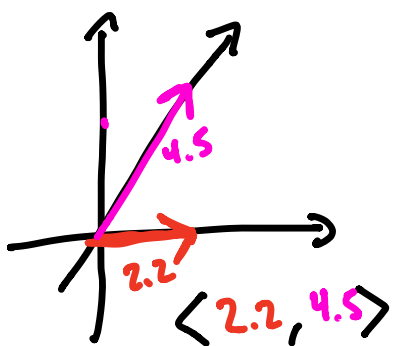


$$\sqrt{\sum x_i^2} = \|X\|_2$$

Euclidean norm

or
L2 norm
of a vector

Geometric vs
algebraic



$$\sqrt{\sum x_i^2} = \|X\|_2$$

$$\sqrt{2.2^2} = 2.2 = \|X\|_2$$

$$\sqrt{2.2^2 + 4.5^2} = \|X_2\| \text{ (1D)}$$