

VECTORS

Vectors are ordered arrays of numbers (scalars).
Can be thought of as both data and geometrically:

Scalar

$$X = [x_1 \ x_2 \ \dots \ x_n]$$

number of elements

$$x = \begin{bmatrix} x_1 \\ \vdots \\ x_n \end{bmatrix}$$

GEOMETRICALLY:

