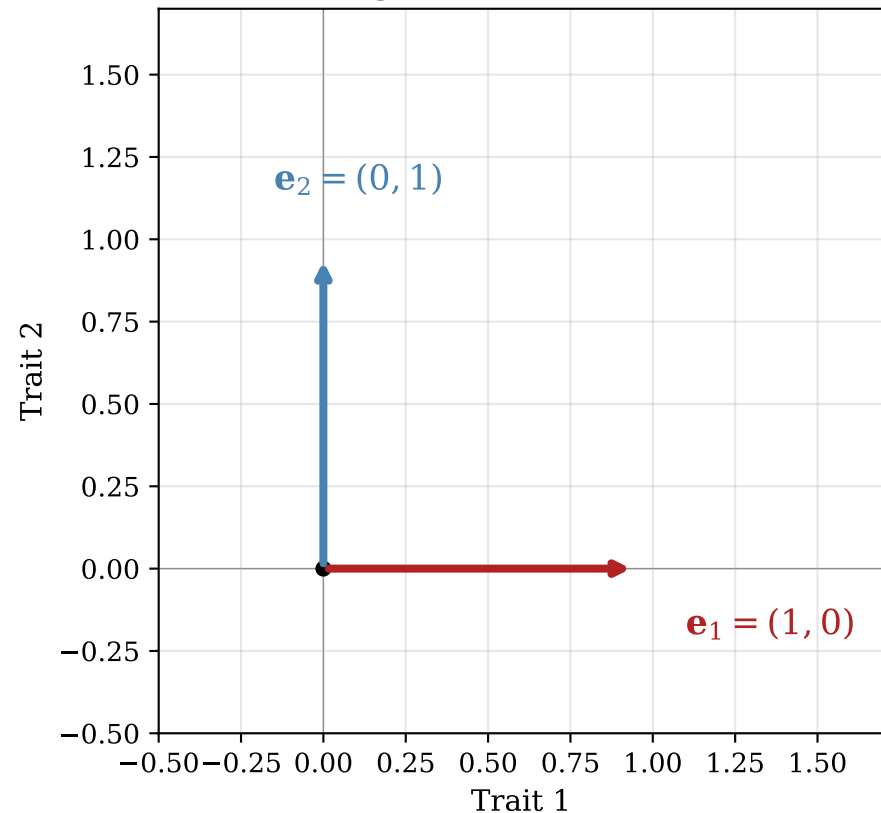


The Columns of a Matrix Are the Images of Unit Vectors

Column 1 (red) = where \mathbf{e}_1 lands. Column 2 (blue) = where \mathbf{e}_2 lands.

Original: Unit Vectors



$$\mathbf{A} = \begin{bmatrix} \text{col 1} & \text{col 2} \\ 2 & 1 \\ 1 & 3 \end{bmatrix}$$

multiply

Transformed: Columns of A

