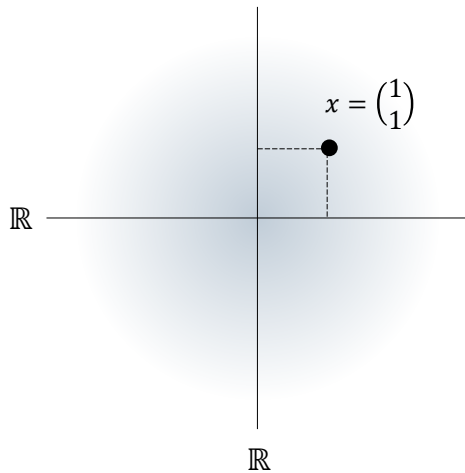


$$\mathbb{R}^1 := \{(x_1) | x_1 \in \mathbb{R}\}$$



$$\mathbb{R}^2 := \left\{ \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} \mid x_1, x_2 \in \mathbb{R} \right\}$$



$$\mathbb{R}^3 := \left\{ \begin{pmatrix} x_1 \\ x_2 \\ x_3 \end{pmatrix} \mid x_1, x_2, x_3 \in \mathbb{R} \right\}$$

