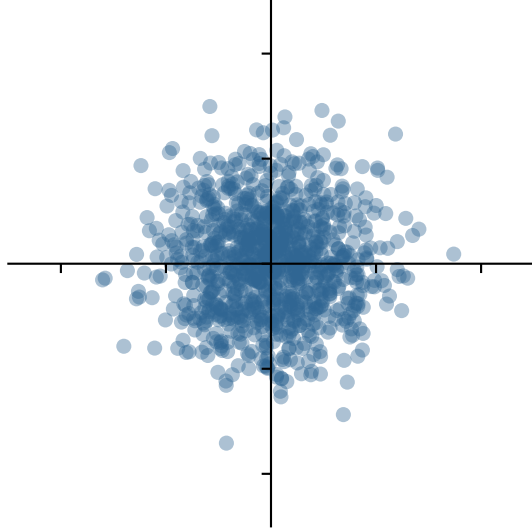


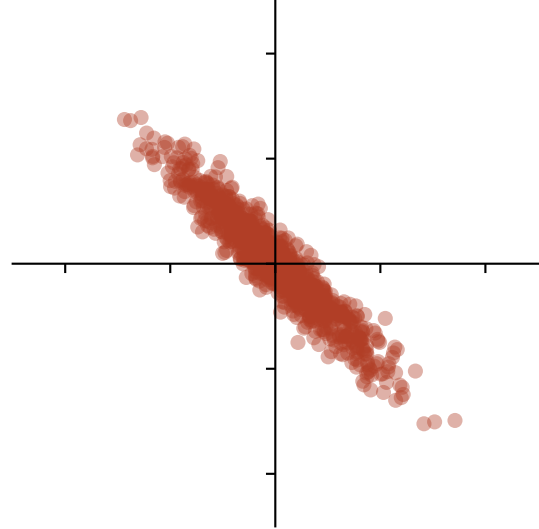
positive correlation

$$\begin{pmatrix} 1 & 0.95 \\ 0.95 & 1 \end{pmatrix}$$



no correlation

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$



negative correlation

$$\begin{pmatrix} 1 & -0.95 \\ -0.95 & 1 \end{pmatrix}$$