

# Design matrix

**Columns** are associated with model parameters

**Rows** are associated with samples

$$\begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \end{array} \begin{array}{cc} \text{B1} & \text{B2} \\ \left( \begin{array}{cc} 1 & 0 \\ 1 & 0 \\ 1 & 0 \\ 0 & 1 \\ 0 & 1 \\ 0 & 1 \end{array} \right) \end{array}$$

# Contrast matrix

**Columns** represent a contrast of interest

**Rows** are associated with model parameters

$$\begin{array}{c} \text{B1} \\ \text{B2} \end{array} \begin{array}{cc} \text{C1} & \text{C2} \\ \left( \begin{array}{cc} 1 & -1 \\ -1 & 1 \end{array} \right) \end{array}$$