

## Motivation for CPPOP: one patient cohort, two gene expression data

$$Z_1 \hat{\beta}_1 \approx Z_2 \hat{\beta}_2$$

means

$$Z_1 \approx Z_2 \text{ column-wise}$$

$$\hat{\beta}_1 \approx \hat{\beta}_2 \text{ element-wise}$$

# CPOP weighted variable selection