

# Second component of CPPOP

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我曾经毁了我的一切  
只想永远地离开  
我曾经堕入无边黑暗  
想挣扎无法自拔  
我曾经像你像他像那野草野花  
绝望着也渴望着  
也哭也笑平凡着

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

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

means

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

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