a

Samples

Factors

Features

Y^1

W^1

Assay 1

Assay 2

Assay m

Features

Y^2 $\approx$ W^2 $\times$

Samples

Factors

Z

Y^m

W^m

b

Variance decomposition by factor

R^2

0.25

0.15

0.05

Factor

1 2 3 4 5 6 7

Annotation of factors

Inspection of loadings

Feature set enrichment analysis

Features

4

2

0

Factors

Gene expression

Cell cycle

Ribosome assembly

Splicing regulation

mRNA degradation

1 0.5 0

p-value

Imputation of missing values

Inspection of factors

Factor 2

Factor 1