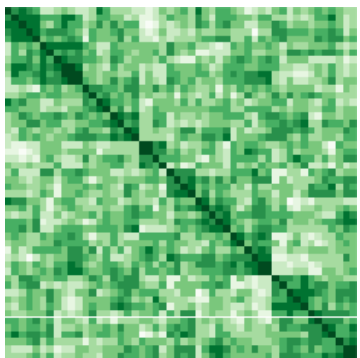


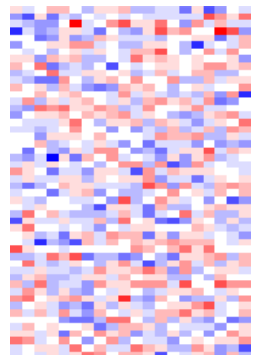
Overall
Variance-covariance



Covariance



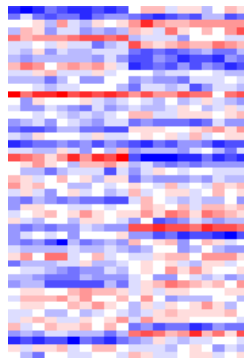
Batch corrected
Expression



Batch Data

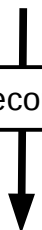


Raw Gene
Expression Data

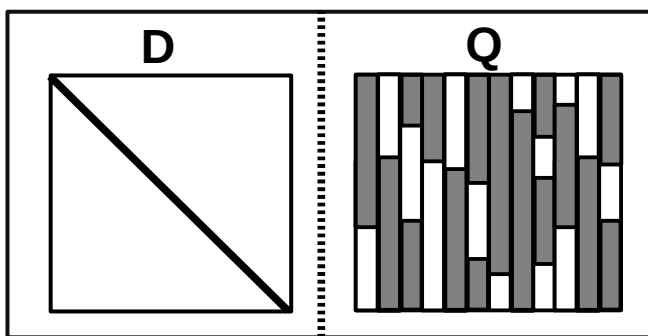


START

Eigendecomposition



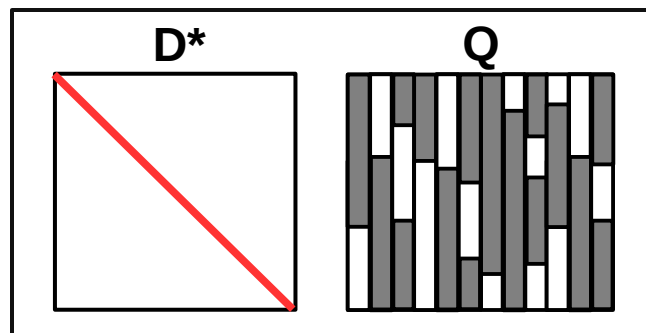
Overall Eigendecomposition



Batch and
Covariate data
MLE



Covariate-dependent estimates



Fitted values

Batch-corrected
Variance-covariance

