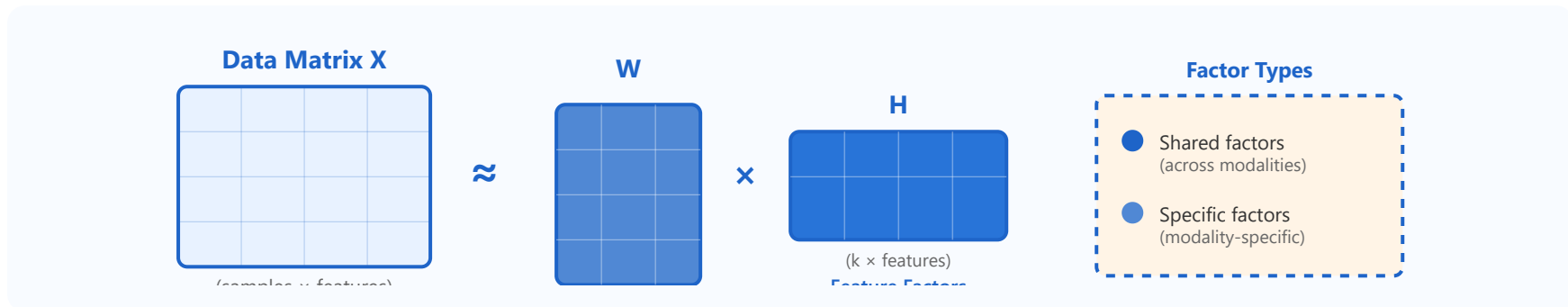


## Matrix Factorization for Multi-Omics Integration



### NMF Methods

Non-negative Matrix Factorization for parts-based representation

### Joint NMF

Simultaneous factorization of multiple data matrices

### iCluster

Integrative clustering of multiple cancer genomic data types

### Integrative NMF

Shared and data-specific factors

### Interpretation

Biological meaning of latent factors