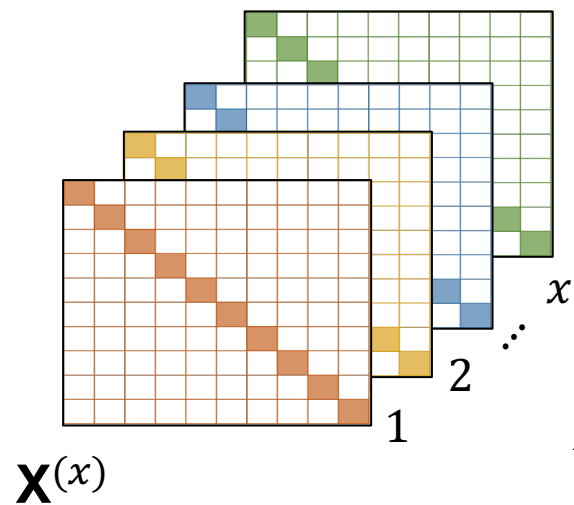
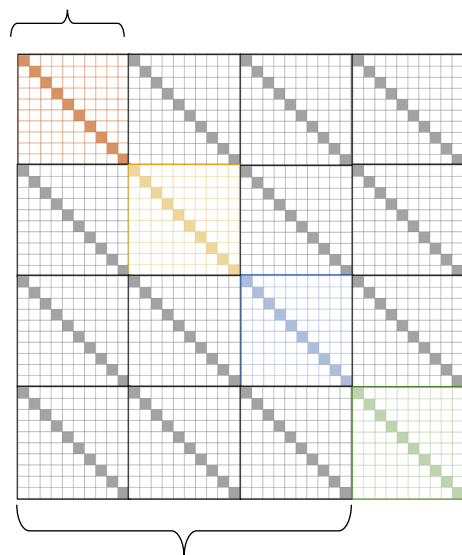


Intra-omics networks



Multilayer Network $\mathbf{G}(\bar{\mathbf{A}})$

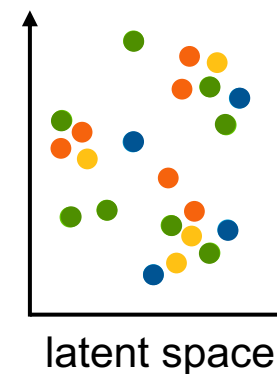
Experimental data



Random walk
PPMI Matrix (\mathbf{S})



Embeddings
(Ω_d)



Biological *a priori*:

- Regulator binding sites (gene promoter, 3'UTR)
- Presence of epigenetic mark in gene promoter
- Phenotype information of transcript and metabolite
- Biochemical reactions (gene-compound)

Inter-omics networks

