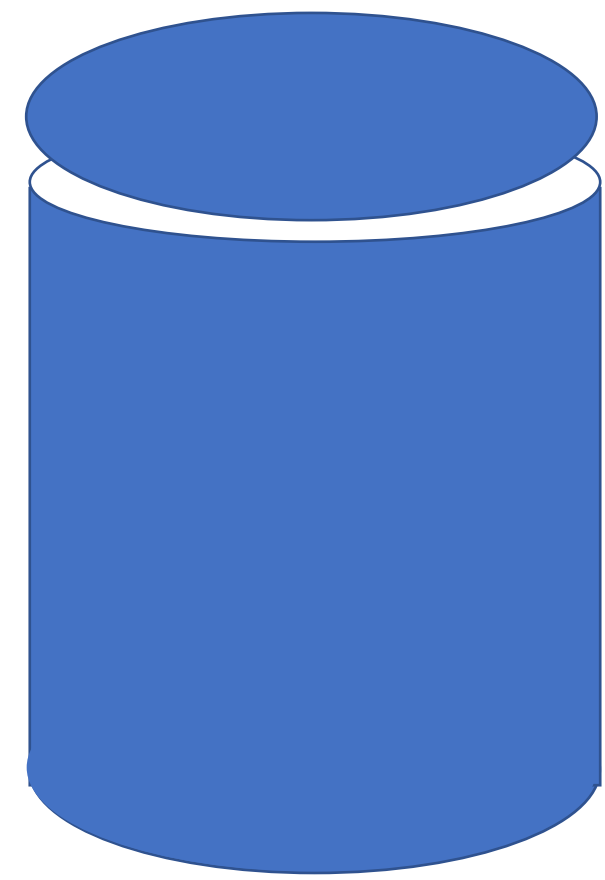
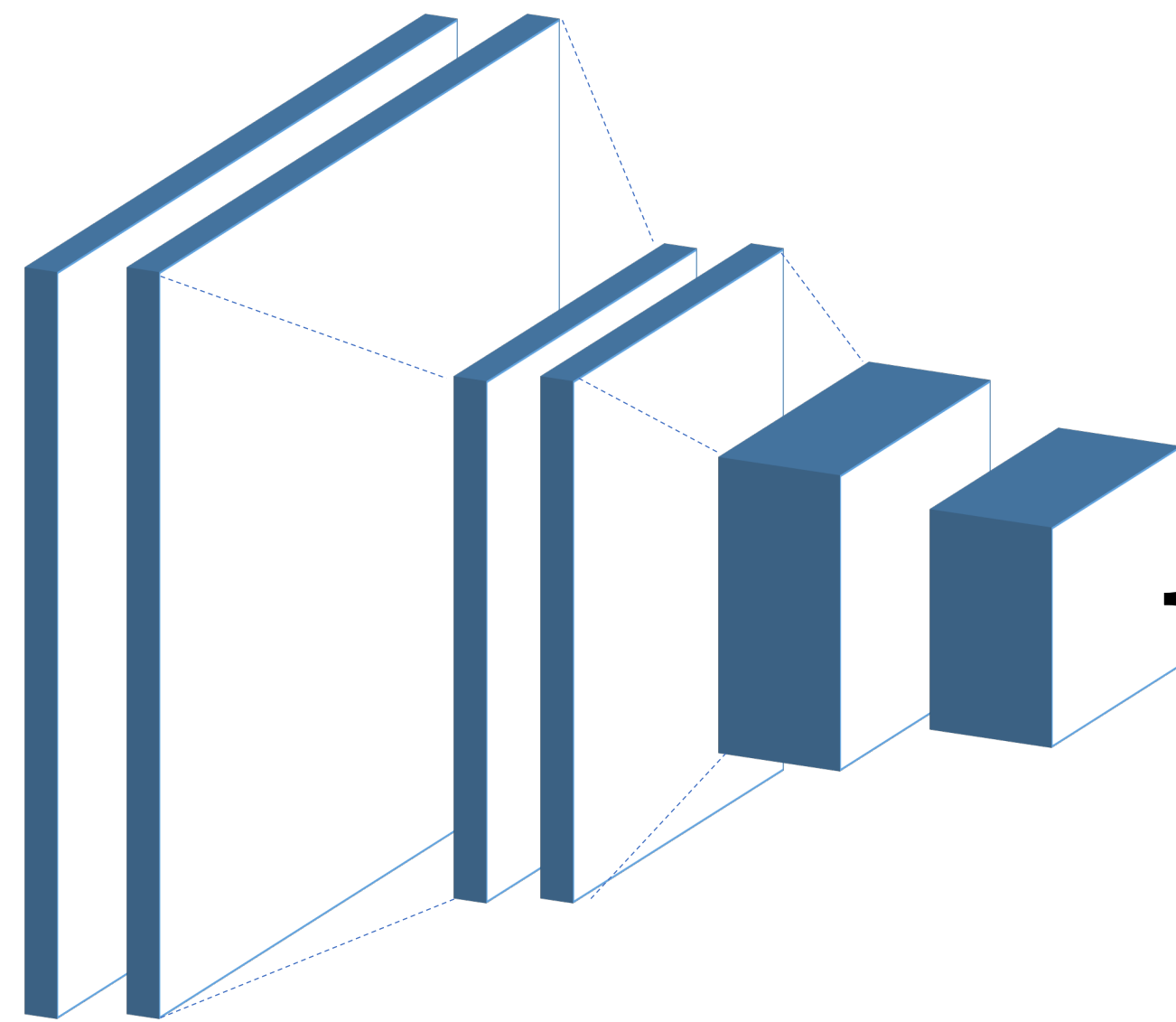


Latent discriminative subtypes...

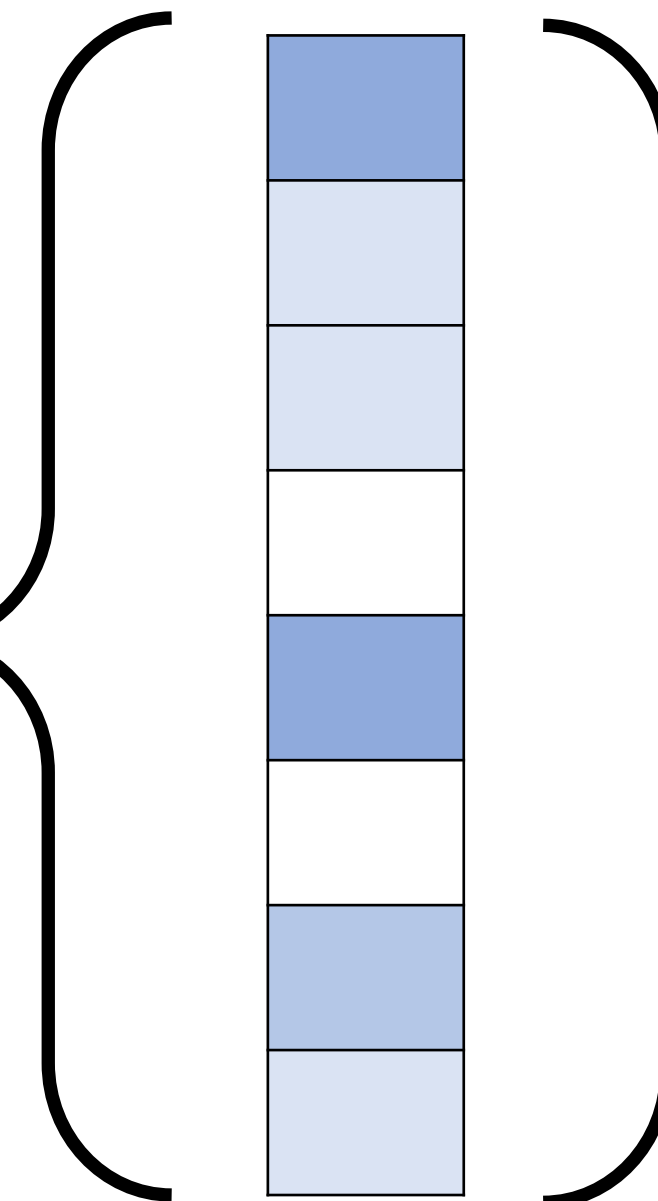
Context Data



Deep Context Encoder



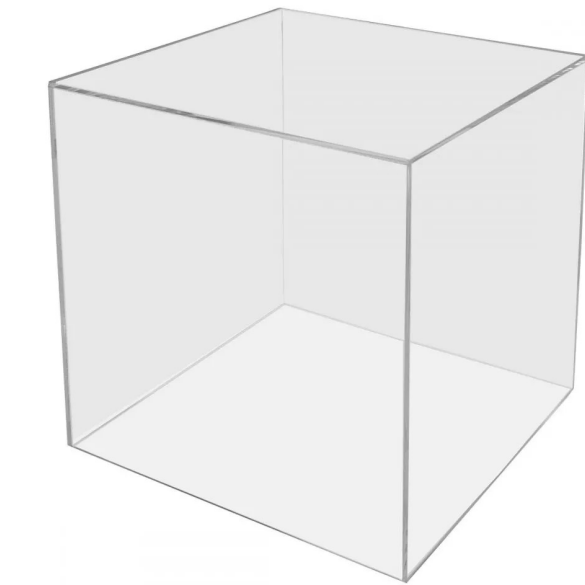
Discriminative Subtype



Generate interpretable local models

Outcomes

Contextualized Glass-Box Model



Predictive Variables

Link Data Modalities

Discriminative Subtype

Phenotype

H&E
RNA-seq
...

Genotype

SNP
CNV
...

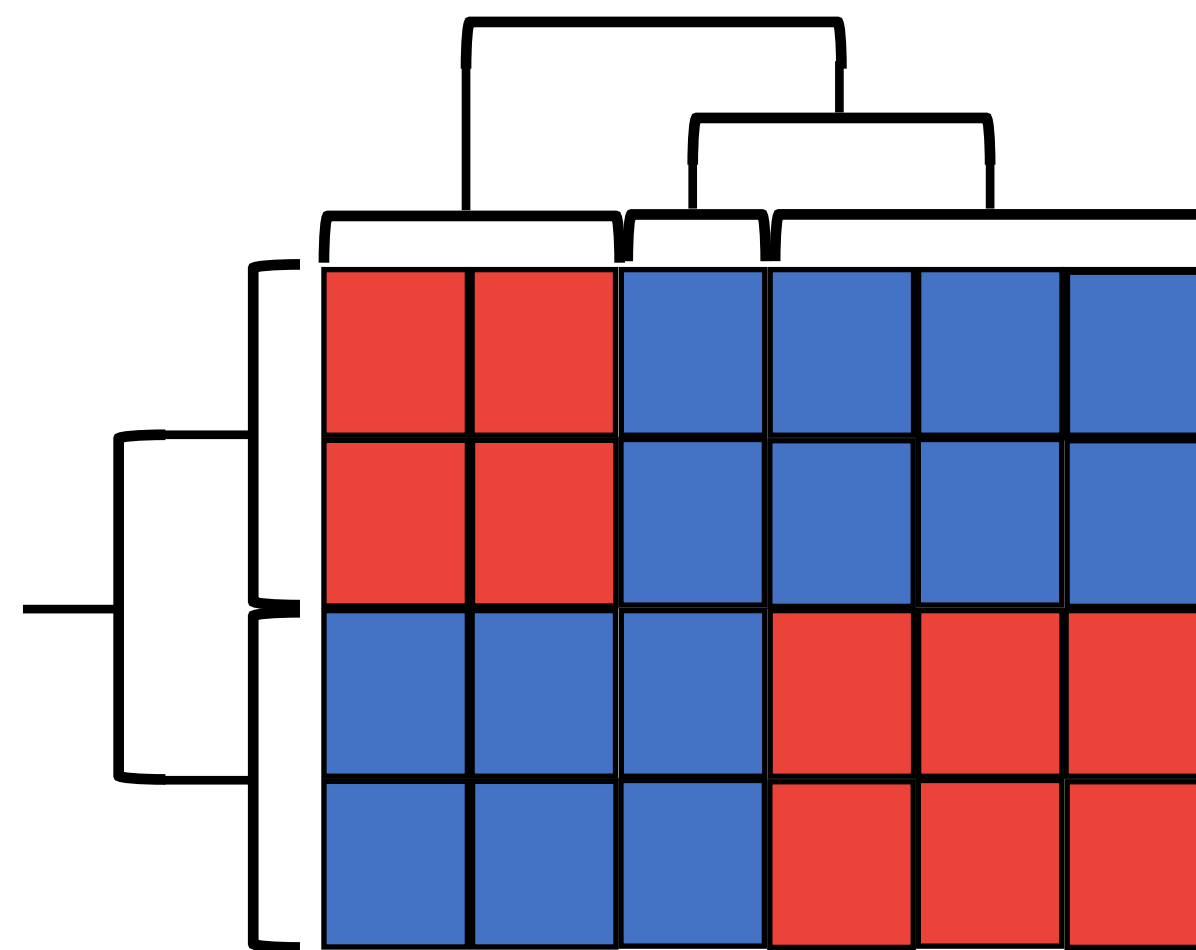
Treatment

Surgery
Hormone
...

Outcome

Survival
Progression
...

Reveal latent heterogeneity



Identify Universal and Context-Specific Predictors of Outcomes

