

Data Sources

RNA-seq, Methylation, WSI (H&E), Clinical

Preprocessing

QC, Normalization, Gene Mapping

VAE (RNA)

Latent z

ResNet (WSI)

Tiles \rightarrow Embeds

Transformer/ViT

Patches \rightarrow Context

MIL-Attention

Slide-level

GNN (Spatial)

Passing

Fusion Layer

Concatenation / Cross-Attention

Survival Modeling

Cox / DeepSurv

Explainability

SHAP Importances

