

28 Modeling uncertainty in multi-modal fusion for lung cancer survival analysis [28]

| Model Architecture | | |
|---|--|-----------|
| <p>The diagram illustrates the model architecture for multi-modal fusion. It shows two input modalities, x_1 and x_2. MODALITY 1 (blue) and MODALITY K (orange) each consist of a set of models (Model 1, Model 2, ..., Model N). Each model outputs an aggregated prediction and an estimation of expected error. These outputs are then combined using a 'PREDICTION BY WEIGHTED AVERAGING' process, where each modality's contribution is weighted by its weight (w^1 for MODALITY 1 and w^K for MODALITY K). The final output is the fused prediction \mathcal{F}_1.</p> | | |
| Fusion Formulas | | |
| $\mathcal{F}_1 = \varpi(x_1^x, x_2^y) \rightarrow$ | | |
| Fusion Graph Representation | Fusion Analysis | |
| <p>The fusion graph representation shows two input nodes, x_1 and x_2, which are red circles. Arrows from both nodes point to a single output node, \mathcal{F}_1, which is a grey circle.</p> | How Many: Single or Multiple? | Single, 1 |
| | Number of Fusion Flows | 1 |
| | Multiple Type Sudden, Gradual or Multi-Flow? | Sudden |
| | Sudden Synchro? | No |