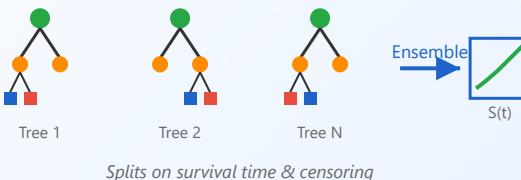
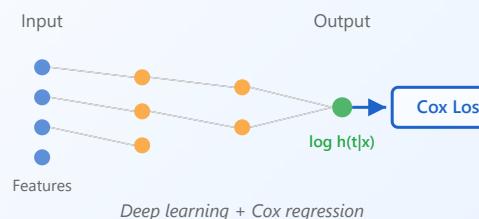


Time-to-Event Prediction with ML



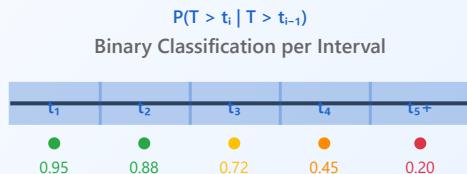
Random Survival Forests

Ensemble method, handles non-linearity, feature importance



DeepSurv

Neural networks for survival, learns complex patterns



Discrete Time Models

Logistic regression per time interval

Evaluation Metrics

C-index (Concordance)

Time-dependent AUC

Calibration plots

Brier score

Integrated Brier Score