Interpretable Models for Complex Health Data
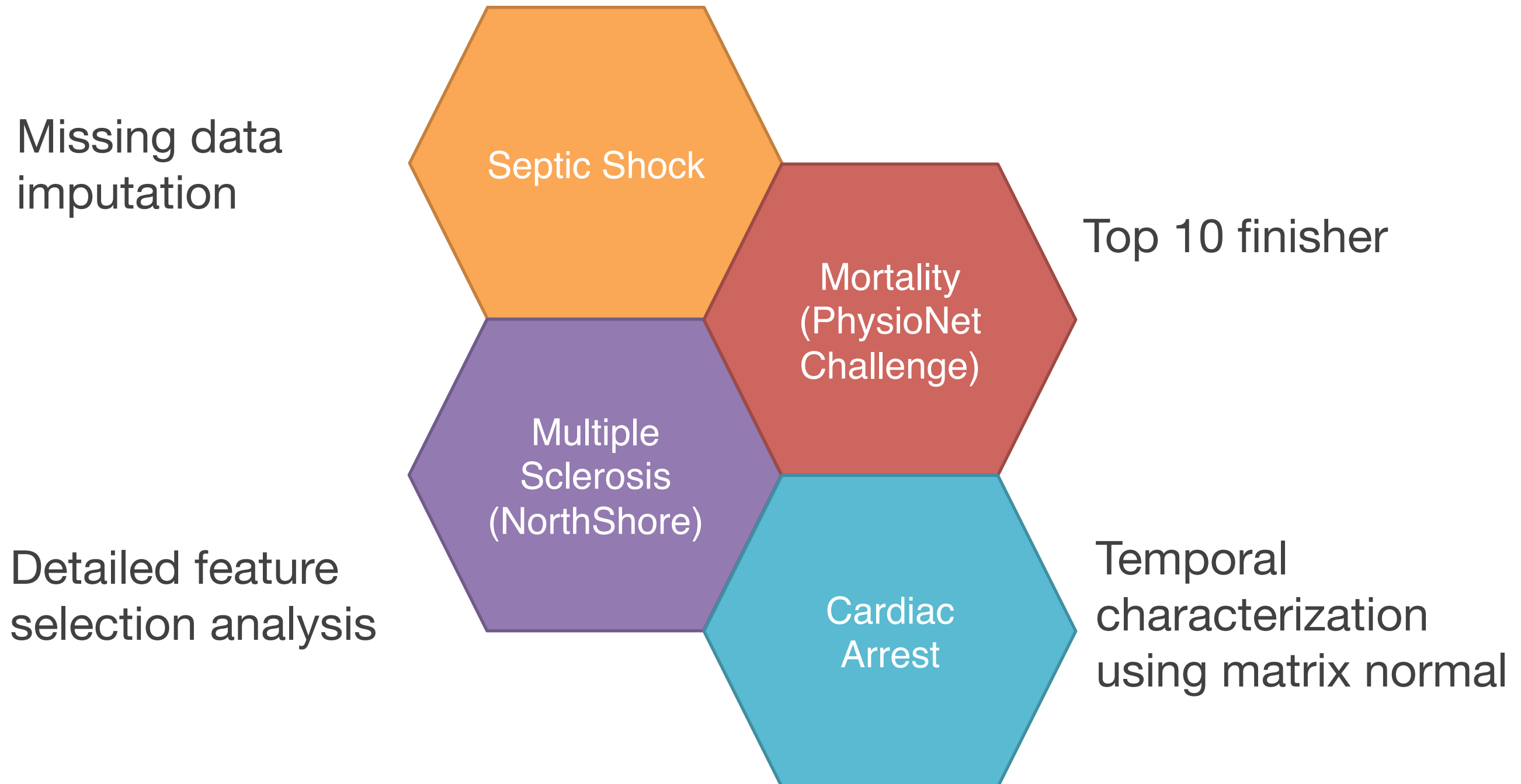
Joyce Ho
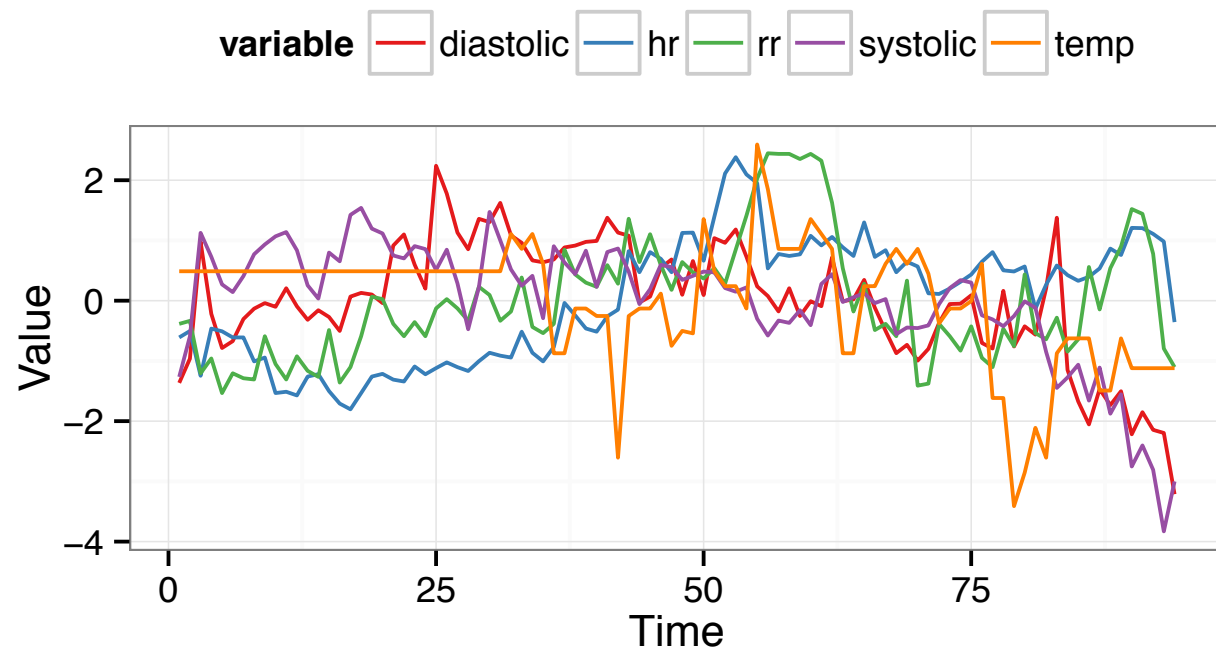
My Research Interests

Disease-Specific Risk Prediction
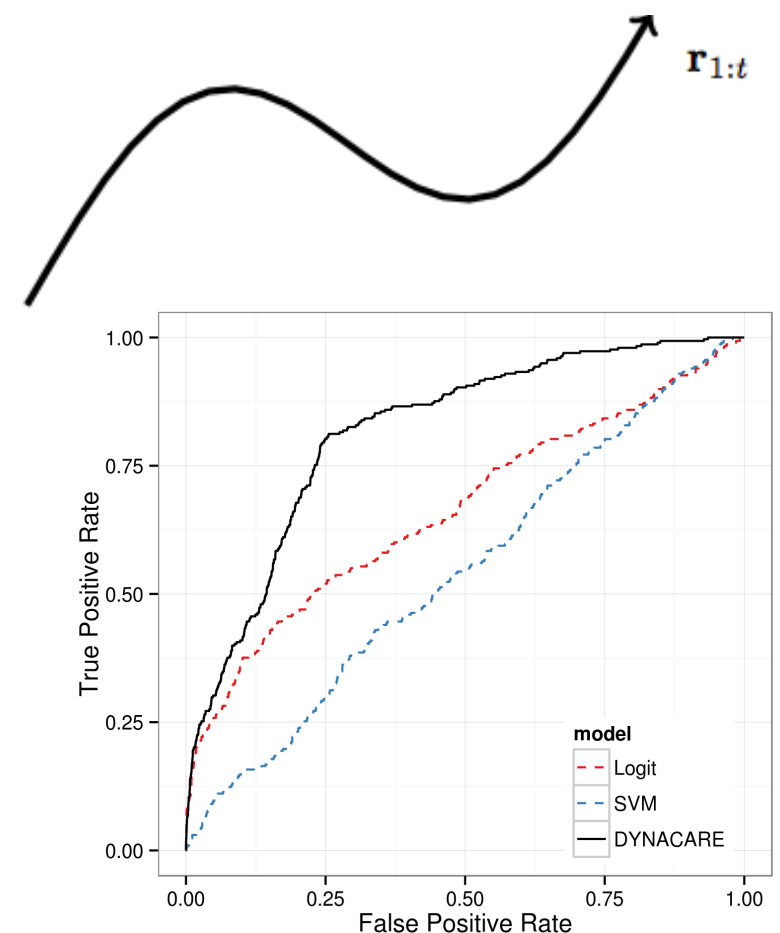
Missing data imputation

Septic Shock

Mortality (PhysioNet Challenge)

Top 10 finisher

Multiple Sclerosis (NorthShore)

Detailed feature selection analysis

Cardiac Arrest

Temporal characterization using matrix normal

DYNACARE: Cardiac Arrest Risk Estimation

single estimate of cardiac arrest risk with better predictive performance

$\mathbf{r}_{1:t}$

temporal data across different measurements

Dimensionality Reduction for EHR Tensors