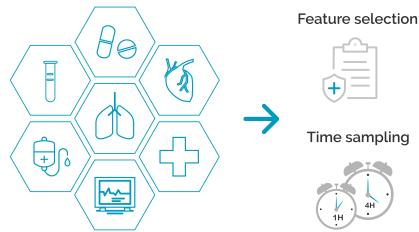
DATA PROCESSING

Relational ICU database



Time sampling



Outlier detection







Data imputation







Sample & hold

k-nearest neighbour (KNN)

STATES

Clusters Raw

Historical State Representations Terminal Flags

ACTIONS

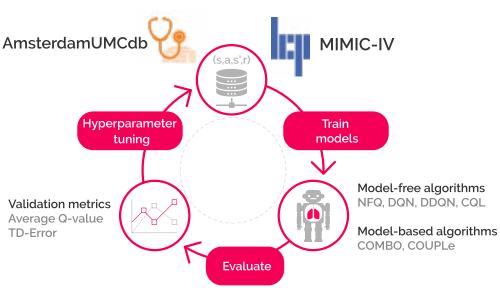
Reinforcement Learning Trajectory Extraction

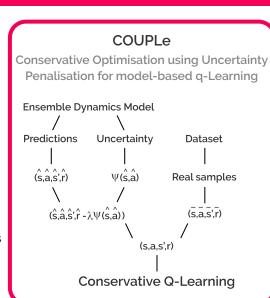
Discrete Continuous

REWARDS

In-hospital and 90-day mortality Intermediate rewards

MODEL TRAINING





EVALUATION



ABLATION STUDY



COMPARISON PHYSICIAN

Performance





OUT-OF-DISTRIBUTION



INTERPRETABILITY