

Model Interpretability

Model complexity tends to reduce interpretability.

Create parsimonious models When fitting complex models use: Variable importance measures Leave One Covariate Out (LOCO) Surrogate generalized linear models and decision trees with model predictions as target Local Interpretable Model-Agnostic Explanations

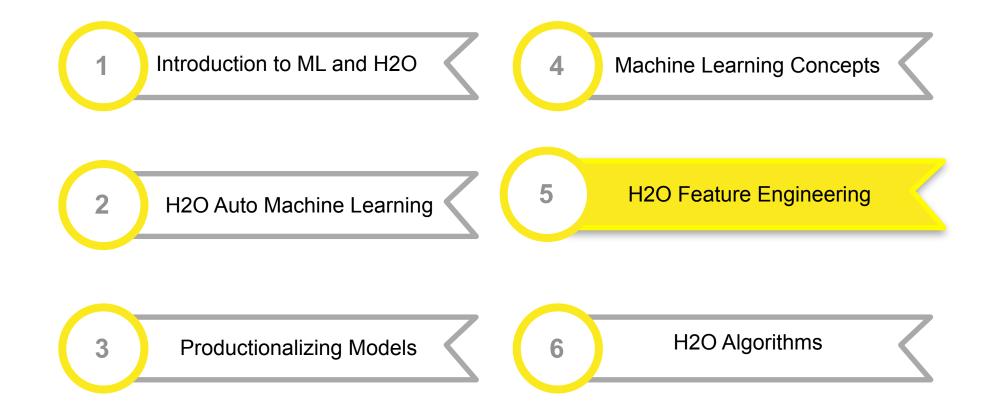
Implication of Model Complexity

Solutions





H20 Training





Model Interpretability

Implication of Model Complexity

Solutions

Model complexity tends to reduce interpretability.

- Create parsimonious models
- When fitting complex models use:
 - Variable importance measures
 - Leave One Covariate Out (LOCO)
 - Surrogate generalized linear models and decision trees with model predictions as target
 - Local Interpretable Model-Agnostic Explanations (LIME)

