

Model Exploration Stack

What is the model prediction for the selected instance?

How good is the model?

*ROC curve
LIFT, Gain charts
Chapter 16*

Which variables contribute to the selected prediction?

Which variables are important to the model?

*Permutational
Variable Importance
Chapter 17*

How does a variable affect the prediction?

How does a variable affect the average prediction?

*Partial Dependence Profile
Accumulated Local Effects
Chapters 18, 19*

Does the model fit well around the prediction?

Does the model fit well in general?

Chapter 20

PREDICTION LEVEL

MODEL LEVEL

$f(x)$

AUC
RMSE

