

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 a variable affects the prediction?

How a variable affects the average prediction?

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

Is the model well fitted around the prediction?

Is the model well fitted in general?

Chapter 21

INSTANCE LEVEL

DATASET LEVEL

$f(x)$

AUC
RMSE

