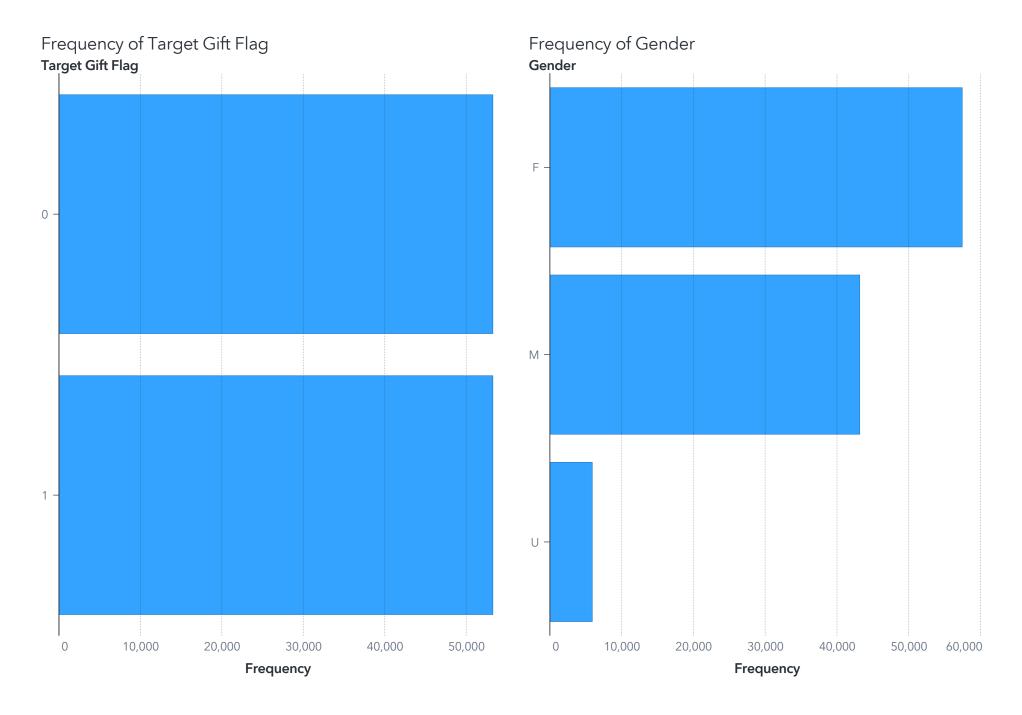
ex2_23_09

Creation Date: Friday, September 30, 2022 09:04:34 AM Author: abdelmounaim.bouzerira@edu.univ-paris13.fr

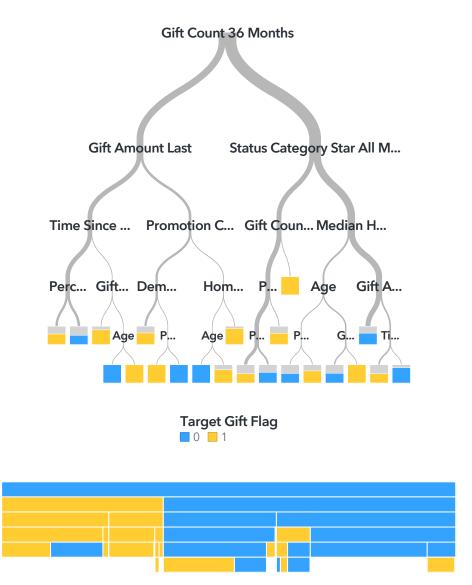
Page 1



Page 2

Decision Tree Target Gift Flag (event=1) KS (Youden) 0.1639 Observations Used 106,546



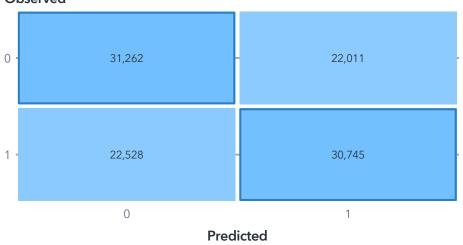


Variable Importance

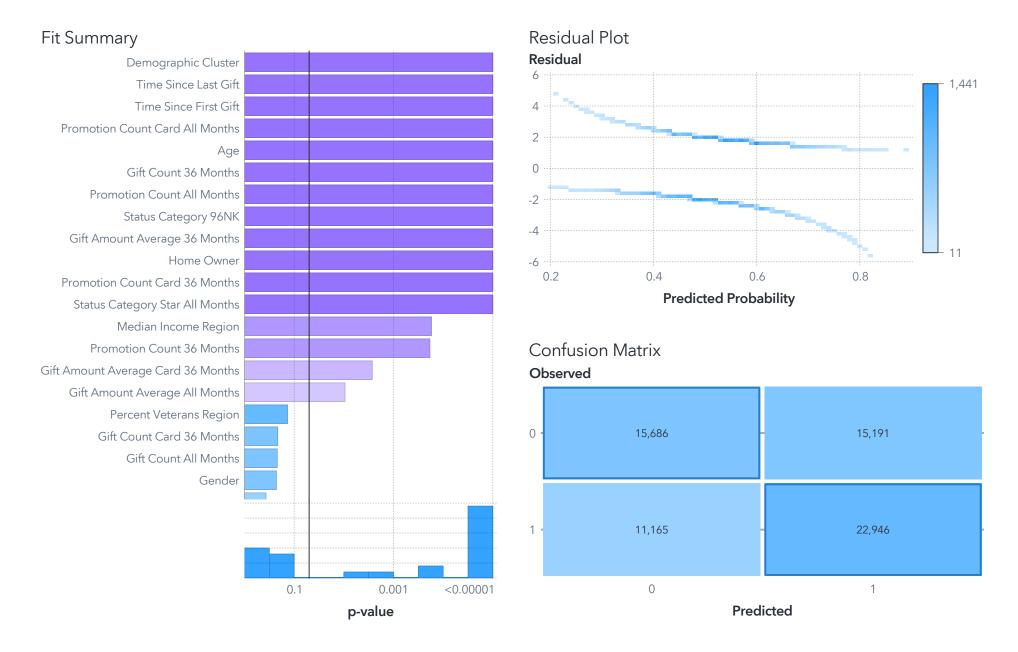


Confusion Matrix

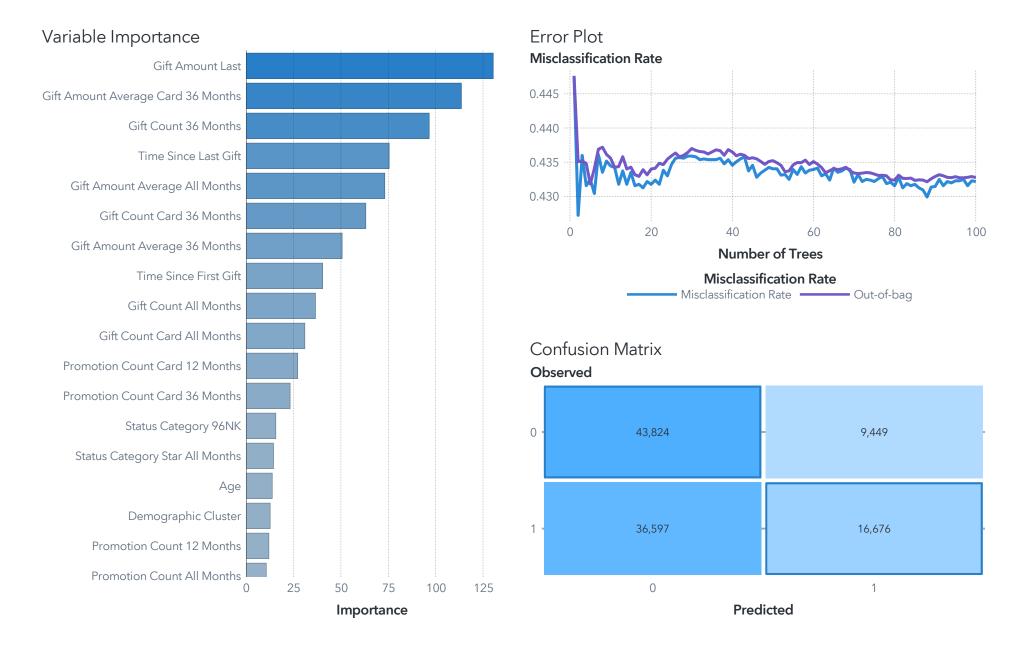
Observed



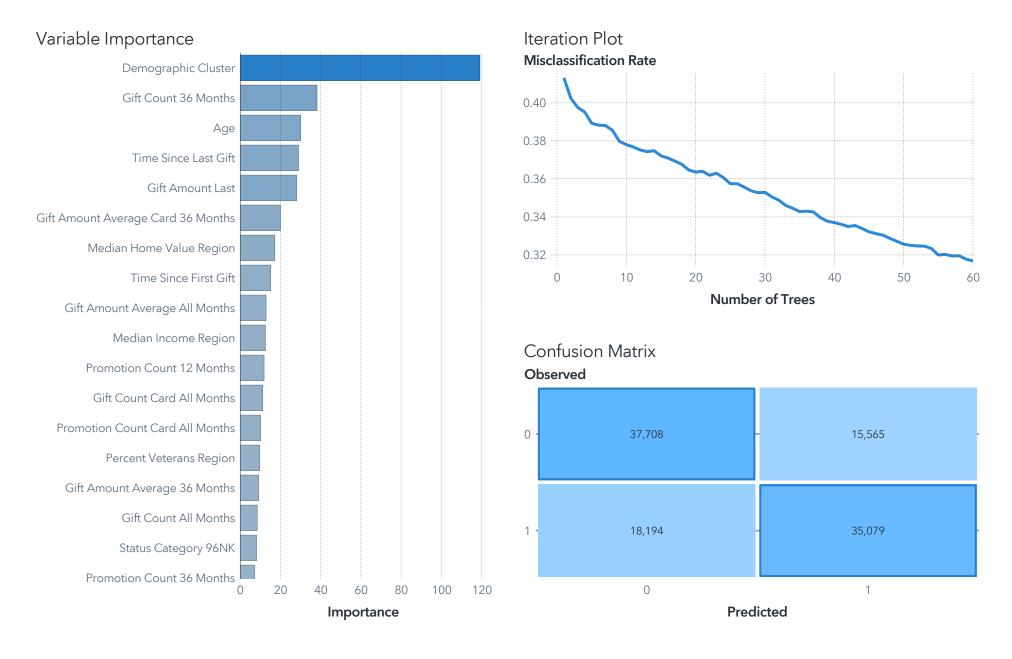
Logistic Regression Target Gift Flag (event=1) KS (Youden) 0.1863 Observations Used 64,988 Unused 41,558



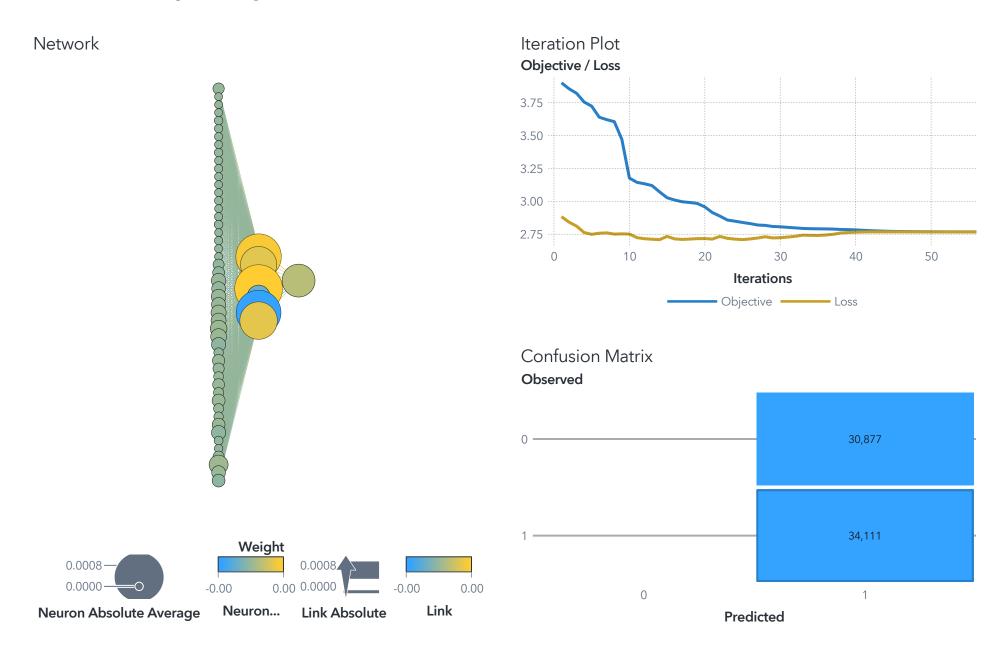
Forest Target Gift Flag (event=1) KS (Youden) 0.1569 Observations Used 106,546



Gradient Boosting Target Gift Flag (event=1) KS (Youden) 0.3663 Observations Used 106,546

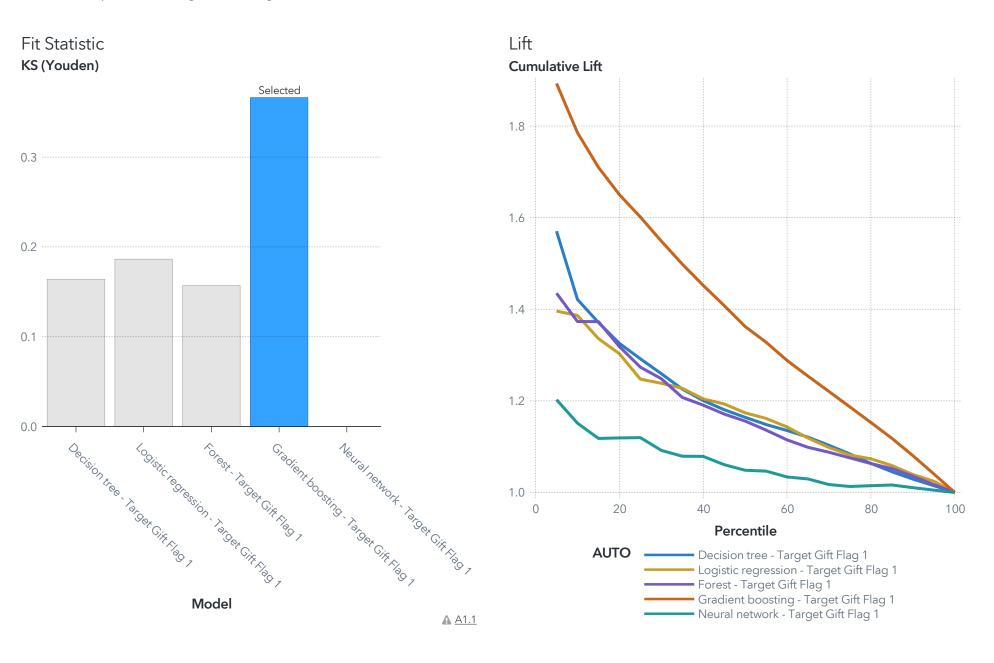


Neural Network Target Gift Flag (event=1) KS (Youden) 0.0000 Observations Used 64,988 Unused 41,558



Page 7

Model Comparison Target Gift Flag (event=1)



Appendix

A1.1 Fit Statistic

Warnings:

Neural network - Target Gift Flag 1: One or more of the neuron layers has too many neurons to display and has been truncated. Number of observations for all models do not match.