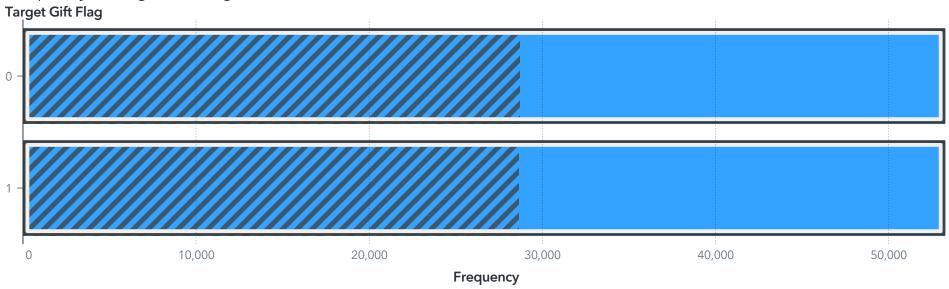
PVA_Machine Learning_Vincent_Pinneau

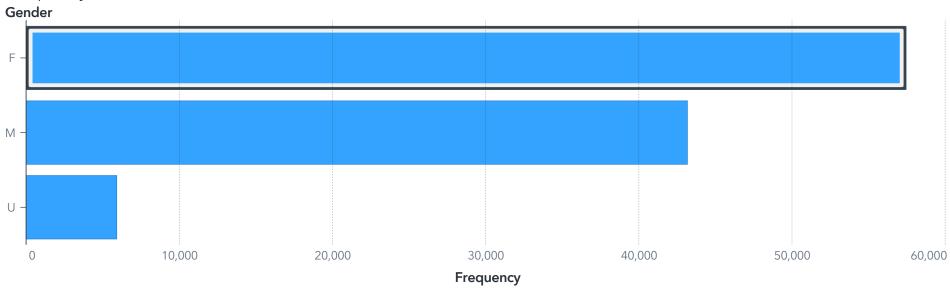
Creation Date: Tuesday, November 26, 2024 02:41:26 PM Author: sasmooc0231

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Frequency of Target Gift Flag

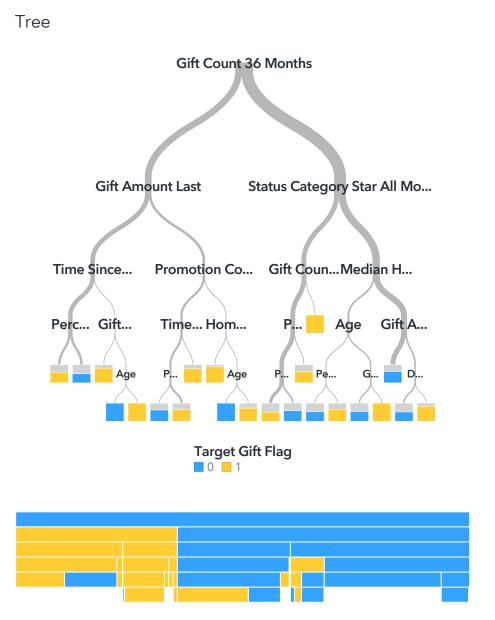


Frequency of Gender

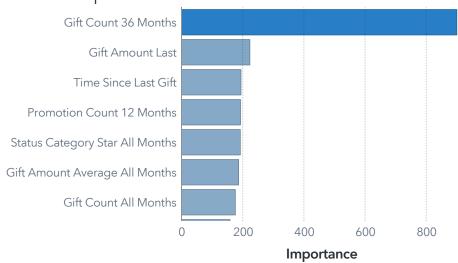


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Decision Tree Target Gift Flag (event=1) KS (Youden) 0.1664 Observations Used 106,546

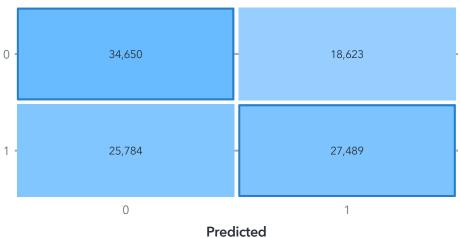




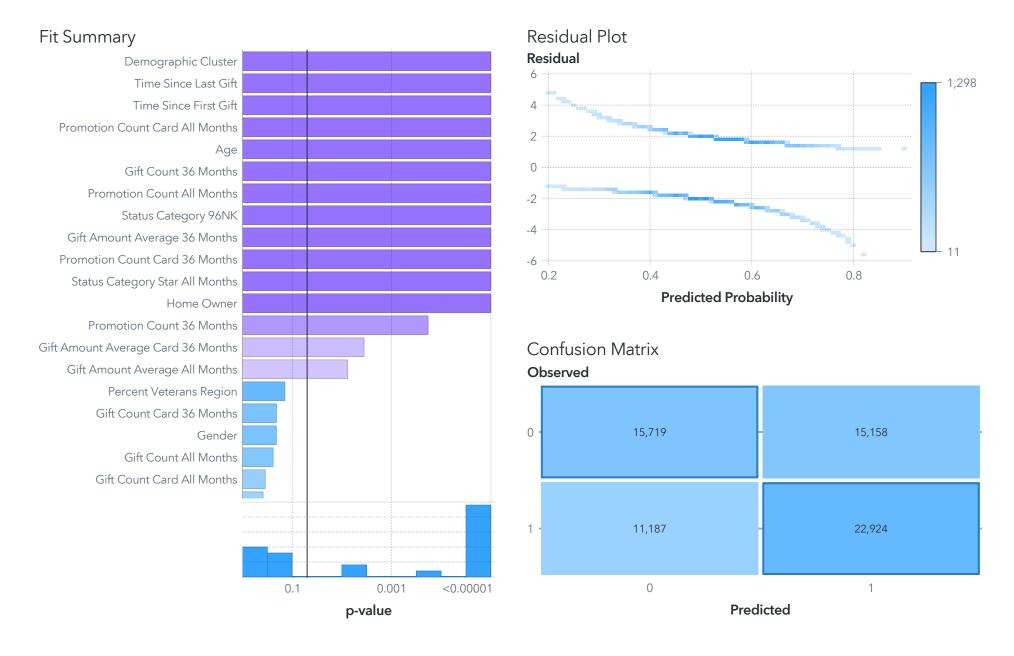


Confusion Matrix

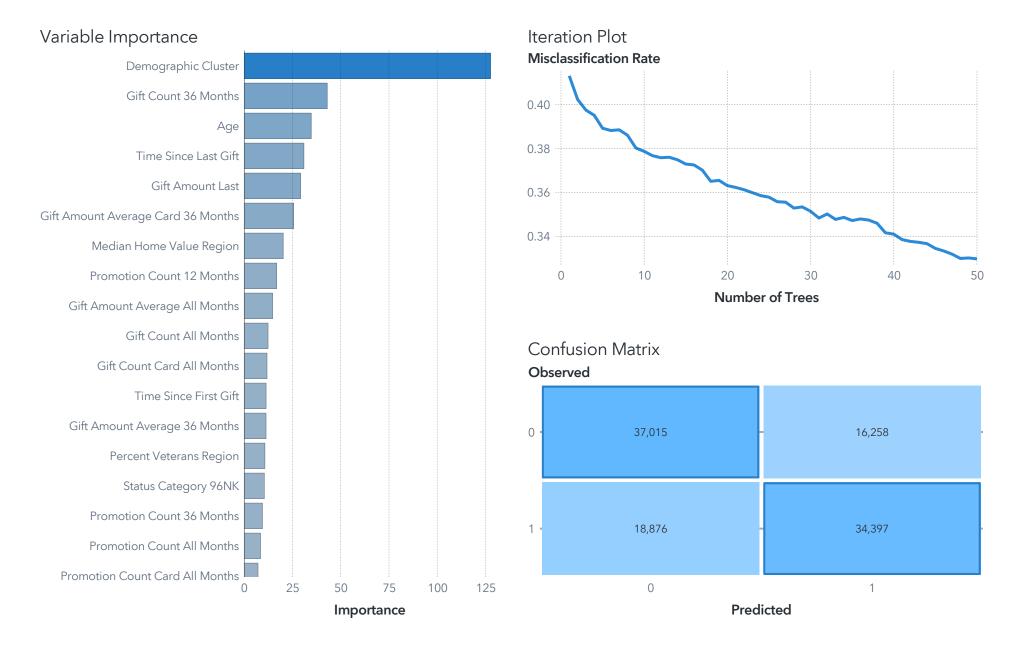
Observed



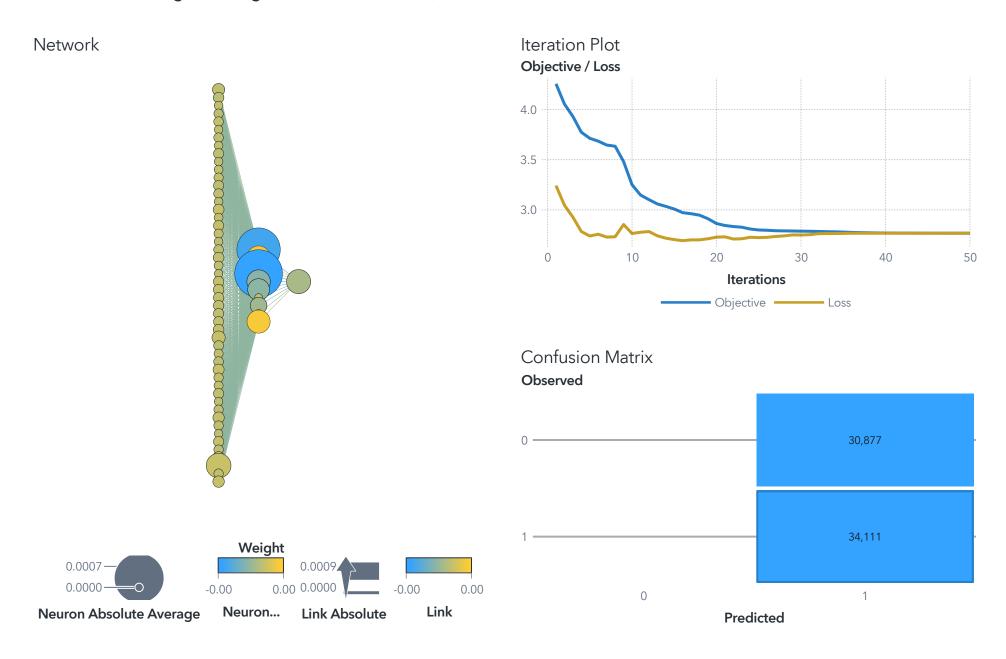
Logistic Regression Target Gift Flag (event=1) KS (Youden) 0.1864 Observations Used 64,988 Unused 41,558



Gradient Boosting Target Gift Flag (event=1) KS (Youden) 0.3405 Observations Used 106,546

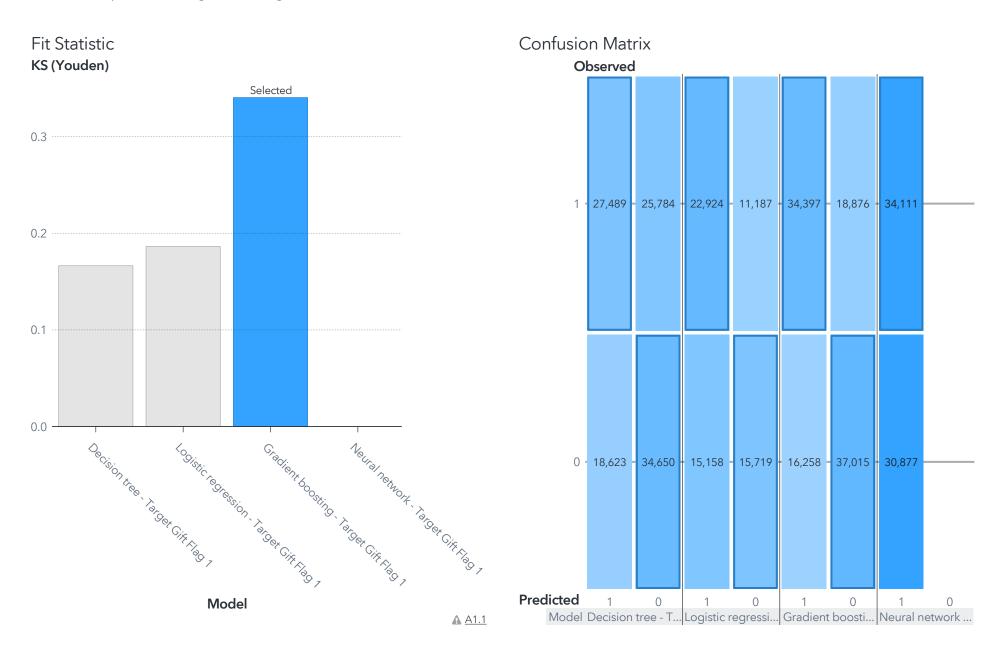


Neural Network Target Gift Flag (event=1) KS (Youden) 0.0000 Observations Used 64,988 Unused 41,558



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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.