

SAS Enterprise Miner Report

Model Summary  
Data

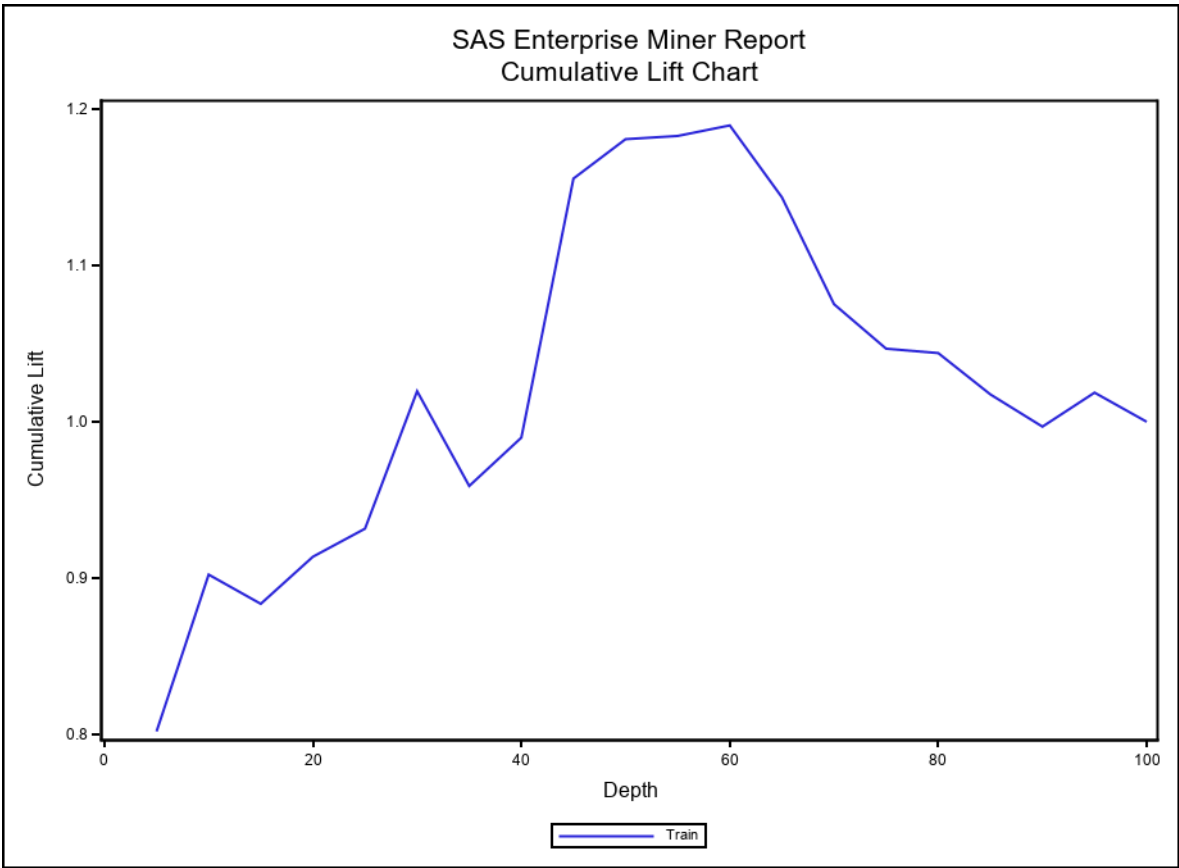
Property	Value
Input Data Source	REFL_BAS.REFLUX_QUESTION1
Target Variable	reflux subgroup
Event Level	TRUE_GERD
Observations	393
Original Variables	113
Selected Variables	0

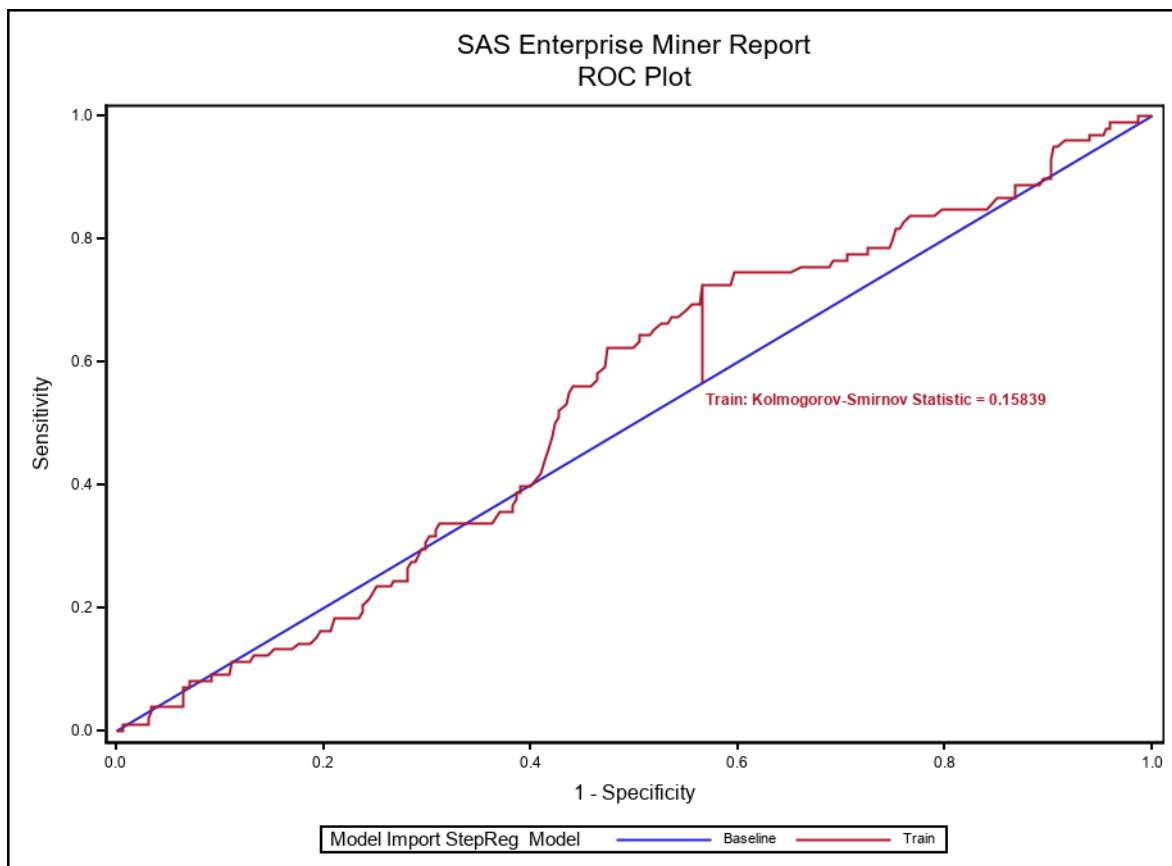
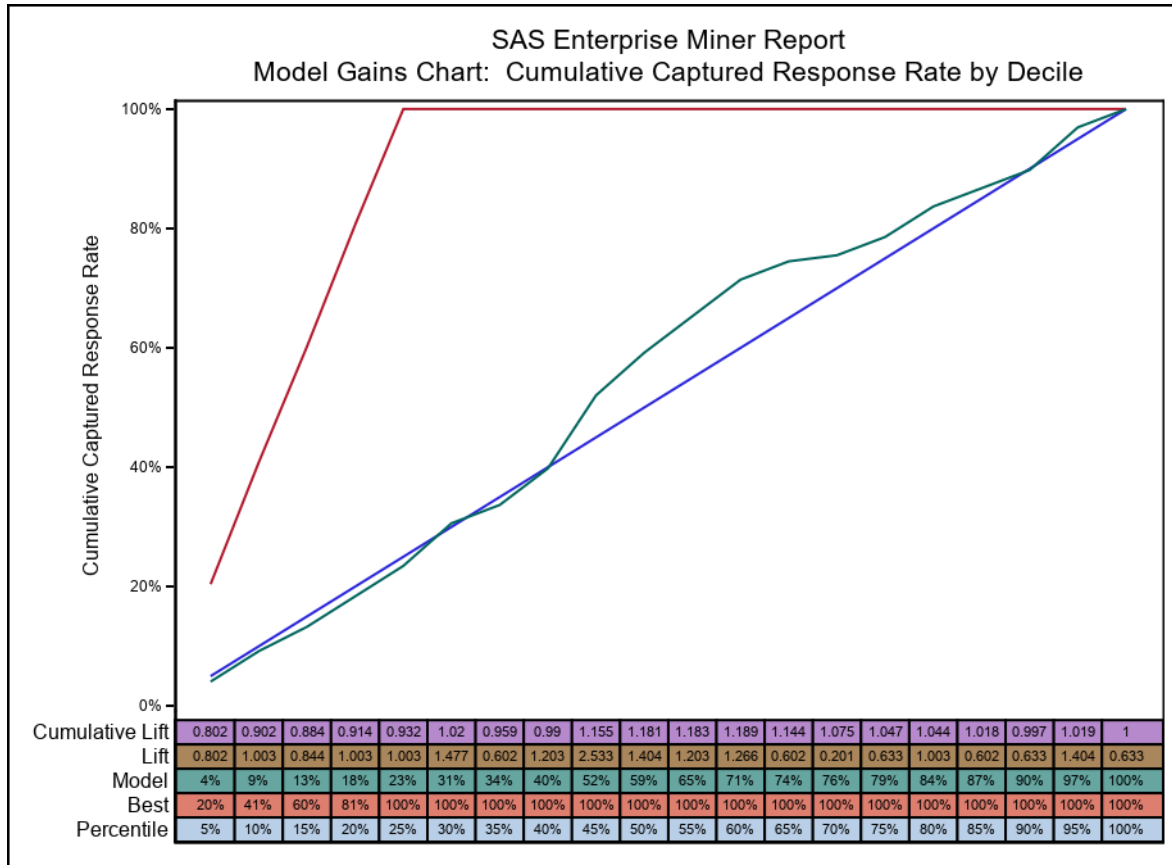
Target: reflux subgroup

Value	Count	Data Percentage
TRUE_GERD	98	24.9364
BORDERLINE_GERD	85	21.6285
RHS	77	19.5929
FH	133	33.8422

Variable Summary

Role	Level	Original Count	Selected Input Count
ID	Interval	1	0
Input	Binary	1	0
Input	Interval	21	0
Rejected	Binary	10	0
Rejected	Interval	71	0
Rejected	Nominal	8	0
Target	Ordinal	1	0





**Classification Matrix Target=reflux subgroup**

	Data Role	
	TRAIN	
	Predicted	
	FH	TRUE_GERD
Target		
BORDERLINE_GERD	67.06	32.94
FH	72.93	27.07
RHS	75.32	24.68
TRUE_GERD	71.43	28.57

Model Fit Statistics

Statistic	Train	Validation
Average Squared Error	0.1875	.
Maximum Absolute Error	0.9195	.
Sum of Frequencies	393.0000	.
Root Average Square Error	0.4331	.
Sum of Square Errors	294.8257	.
Misclassification Rate	0.6819	.
Roc Index	0.5370	.
Gini Coefficient	0.0740	.
Kolmogorov-Smirnov Statistic	0.1580	.
Kolmogorov-Smirnov Probability Cutoff	0.2190	.
Lift at 10%	1.0026	.
Cumulative Lift at 10%	0.9023	.
Captured Response at 10%	5.1020	.
Cumulative % Captured Response at 10%	9.1837	.

Model Selection based on Train: Misclassification Rate

Selected Model	Model Node	Model Description	Target Label	Train: Lift
Y	MdlImp7	Model Import StepReg	reflux subgroup	1.00255
	MdlImp8	Model Import StepRegInt	reflux subgroup	1.00255
	MdlImp12	Model Import AutoNeuralBlock2Inc	reflux subgroup	0.80204
	MdlImp11	Model Import AutoNeuralSingle2Inc	reflux subgroup	1.00255
	MdlImp15	Model Import AutoNeuralCascade2Inc	reflux subgroup	1.20306
	MdlImp14	Model Import BayesNetTAN	reflux subgroup	0.40102
	MdlImp3	Model Import AutoNeuralBlock	reflux subgroup	0.40102
	MdlImp10	Model Import AutoNeuralCascade2	reflux subgroup	1.09803
	MdlImp2	Model Import BayesNetBAN	reflux subgroup	1.20306
	MdlImp9	Model Import BayesNet	reflux subgroup	1.20306
	MdlImp6	Model Import AutoNeuralBlock2	reflux subgroup	1.20306
	MdlImp13	Model Import BayesNetNaïve	reflux subgroup	1.60408
	MdlImp4	Model Import AutoNeuralCascade	reflux subgroup	1.06939
	MdlImp5	Model Import AutoNeuralSingle2	reflux subgroup	1.00255
	MdlImp	Model Import AutoNeuralSingle	reflux subgroup	0.60153

Project Information

Property	Value
Name	2_classification_difference
Diagram	classification_ordinal
Path	C:\Users\u0027997\OneDrive - KU Leuven\proj-reflux-database\Analyses\SAS_analyses\2_classification_difference\2_classification_difference
Date Created	18/07/2022 17:53:59

