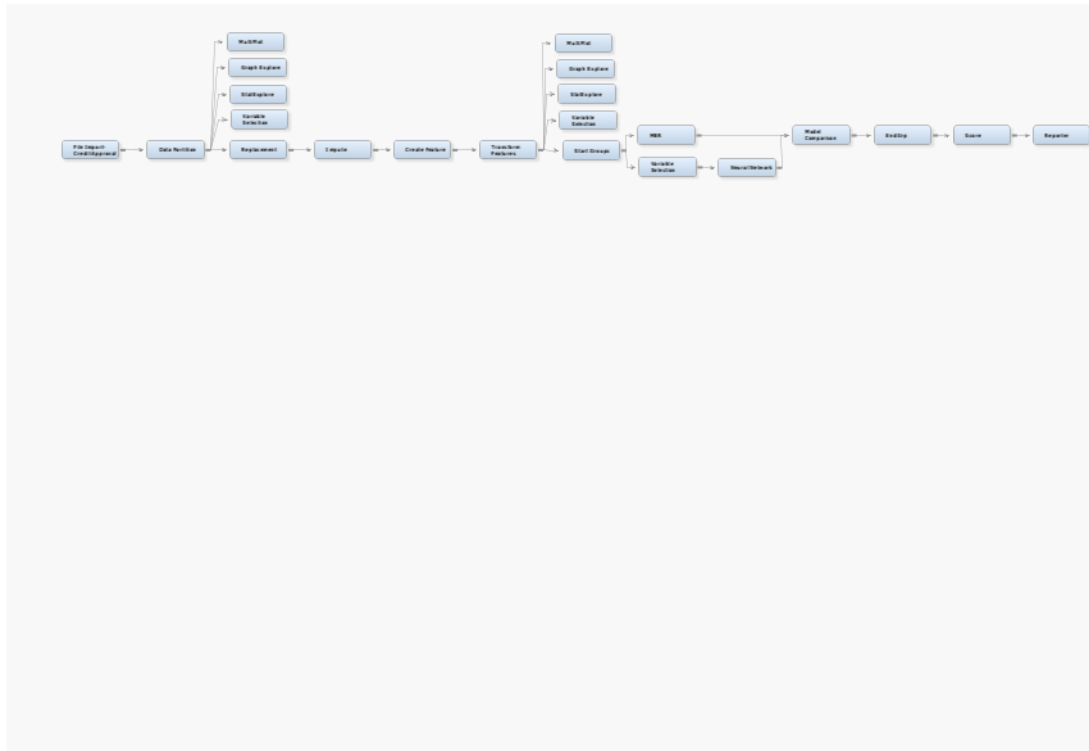# SAS Enterprise Miner Report

User   = u59400693
Date   = 20:11:26 15 April 2022
Project   = BAN210_FinalProject
Diagram   = Credit Approval

Start Node = Report
Node label = Reporter
Nodes   = PATH
Showall   = N

Format   = PDF
Style   = LISTING

SAS Enterprise Miner Report

Node=File Import- Credit Approval
Summary

Node id = FIMPORT
Node label = File Import- Credit Approval
Meta path = FIMPORT
Notes =

Node=File Import- Credit Approval
Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	FileImport		GuessRows	500		NameRow	Y	
AccessTable	NoTableName		IFileName	C:\Seneca\BAN210\credit-screening_crx.csv		Password	NoPassword	
AdvancedAdvisor	N		ImportType	Local	LOCAL	Role	TRAIN	
Delimiter	,		MaxCols	10000		SkipRows	0	
FileType	csv	XLS	MaxRows	1000000		Summarize	N	

Node=File Import- Credit Approval
Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	FIMPORT_DATA	Date Created	15 April 2022 08:44:55	Data Size	132096
Data Type	DATA	Date Modified	15 April 2022 08:44:55	Role	TRAIN
Data Label		Number Rows	690	Segment	
Engine	V9	Number Columns	16	Data Library	EMWS2

Node=File Import- Credit Approval
Variables List

Name	Label	Role	Level	Type	Length	Format	Creator
A1		INPUT	BINARY	C	1	$1.	
A10		INPUT	BINARY	C	1	$1.	
A11		INPUT	INTERVAL	N	8	BEST12.0	
A12		INPUT	BINARY	C	1	$1.	
A13		INPUT	NOMINAL	C	1	$1.	
A14		INPUT	NOMINAL	C	4	$4.	
A15		INPUT	INTERVAL	N	8	BEST12.0	
A16		TARGET	BINARY	C	1	$1.	
A2		INPUT	NOMINAL	C	5	$5.	
A3		INPUT	INTERVAL	N	8	BEST12.0	
A4		INPUT	NOMINAL	C	1	$1.	
A5		INPUT	NOMINAL	C	2	$2.	
A6		INPUT	NOMINAL	C	2	$2.	
A7		INPUT	NOMINAL	C	2	$2.	
A8		INPUT	INTERVAL	N	8	BEST12.0	
A9		INPUT	BINARY	C	1	$1.	

Node=File Import- Credit Approval
Created Variables List

SAS Enterprise Miner Report

**Node=Data Partition
Summary**

Node id = Part
Node label = Data Partition
Meta path = FIMPORT => Part
Notes =

**Node=Data Partition
Properties**

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Partition		Method	DEFAULT		TestPct	10	30
ClassDistribution	Y		OutputType	DATA		TrainPct	60	40
IntervalDistribution	Y		RandomSeed	12345		ValidatePct	30	

**Node=Data Partition
Variable Summary**

Role	Level	Frequency Count	Name
TARGET	BINARY	1	A16
INPUT	BINARY	4	A1 A10 A12 A9
INPUT	INTERVAL	4	A11 A15 A3 A8
INPUT	NOMINAL	7	A13 A14 A2 A4 A5 A6 A7

SAS Enterprise Miner Report

**Node=Replacement
Summary**

Node id = Repl
Node label = Replacement
Meta path = FIMPORT => Part => Repl
Notes =

**Node=Replacement
Properties**

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Replace		IntervalMethod	NONE		SpacingsCutoff	9.0	9
CalcMethod	STDDEV		MADSCutoff	9.0	9	StddevCutoff	3.0	3
CountReport	Y		PercentsCutoff	0.5		UnknownLevel	NONE	MODE
HideVariable	N		ReplaceMethod	COMPUTED				

**Node=Replacement
Variable Summary**

Role	Level	Frequency Count	Name
INPUT	BINARY	4	A1 A10 A12 A9
INPUT	INTERVAL	4	A11 A15 A3 A8
INPUT	NOMINAL	7	A13 A14 A2 A4 A5 A6 A7

**Node=Replacement
Interval Variables**

Variable	Replace Variable	Lower limit	Upper Limit	Label	Limits Method	Replacement Method	Lower Replacement Value	Upper Replacement Value
A11	REP_A11	-10.62	15.09	A11	STDDEV	COMPUTED	-10.62	15.09
A15	REP_A15	-10089.18	11904.27	A15	STDDEV	COMPUTED	-10089.18	11904.27
A3	REP_A3	-10.44	20.02	A3	STDDEV	COMPUTED	-10.44	20.02
A8	REP_A8	-8.46	13.23	A8	STDDEV	COMPUTED	-8.46	13.23

**Node=Replacement
Total Replacement Counts**

Variable	Label	Role	Train	Validation	Test
A1		INPUT	5	7	0
A10		INPUT	0	0	0
A11	A11	INPUT	7	3	1
A12		INPUT	0	0	0
A13		INPUT	0	0	0
A14		INPUT	5	52	19
A15	A15	INPUT	5	4	0
A16		TARGET	0	0	0
A2		INPUT	6	81	27
A3	A3	INPUT	7	2	0
A4		INPUT	1	5	2
A5		INPUT	1	5	2
A6		INPUT	2	5	2
A7		INPUT	2	5	2

Variable	Label	Role	Train	Validation	Test
A8	A8	INPUT	12	3	2
A9		INPUT	0	0	0

Variable	Label	Role	Train	Validation	Test
A8	A8	INPUT	12	3	2
A9		INPUT	0	0	0

SAS Enterprise Miner Report

Node=Impute
Summary

Node id = Impt
Node label = Impute
Meta path = FIMPORT => Part => Repl => Impt
Notes =

Node=Impute
Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Impute		IndicatorRole	REJECTED		MinCatSize	5	
ABWTuning	9		IndicatorSource	IMPUTED		Normalize	Y	
AHUBERTuning	1.5		LeafSize	5		Nrules	5	
AWAVETuning	6.2831853072		MaxPctMissing	50		Nsurrs	2	
DefaultChar			Maxbranch	2		RandomSeed	12345	
DefaultNum	.		Maxdepth	6		ReplaceVariable	N	
DistributionMissing	N		MethodClass	TREESURR	COUNT	SpacingProportion	90	
HideVariable	Y		MethodInterval	MEDIAN	MEAN	Splitsize	.	
ImputeNoMissing	N		MethodTargetClass	NONE		ValidateTestMissing	Y	N
Indicator	NONE		MethodTargetInterval	NONE				

Node=Impute
Variable Summary

Role	Level	Frequency Count	Name
INPUT	BINARY	4	REP_A1 REP_A10 REP_A12 REP_A9
INPUT	INTERVAL	4	REP_A11 REP_A15 REP_A3 REP_A8
INPUT	NOMINAL	7	REP_A13 REP_A14 REP_A2 REP_A4 REP_A5 REP_A6 REP_A7

Node=Impute
Imputation Summary

Variable Name	Impute Method	Imputed Variable	Impute Value	Role	Measurement Level	Label	Number of Missing for TRAIN	Number of Missing for VALIDATE	Number of Missing for TEST
REP_A1	TREESURR	IMP_REP_A1	.	INPUT	BINARY	Replacement: A1	5	7	0
REP_A14	TREESURR	IMP_REP_A14	.	INPUT	NOMINAL	Replacement: A14	5	5	3
REP_A2	TREESURR	IMP_REP_A2	.	INPUT	NOMINAL	Replacement: A2	6	5	1
REP_A4	TREESURR	IMP_REP_A4	.	INPUT	NOMINAL	Replacement: A4	1	3	2
REP_A5	TREESURR	IMP_REP_A5	.	INPUT	NOMINAL	Replacement: A5	1	3	2
REP_A6	TREESURR	IMP_REP_A6	.	INPUT	NOMINAL	Replacement: A6	2	5	2
REP_A7	TREESURR	IMP_REP_A7	.	INPUT	NOMINAL	Replacement: A7	2	5	2

SAS Enterprise Miner Report

**Node=Create Feature
Summary**

Node id = Trans2
Node label = Create Feature
Meta path = FIMPORT => Part => Repl => Impt => Trans2
Notes =

**Node=Create Feature
Properties**

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Transform		EmSampleSize	DEFAULT		MissingValue	USEINSEARCH	
DefaultClassMethod	NONE		GroupCutoff	0.1		NumberofBins	VARIABLES	
DefaultClassTargetMethod	NONE		GroupMissing	N		Offset	1	
DefaultMethod	NONE		HideVariable	Y		RejectVariable	Y	
DefaultTargetMethod	NONE		MaxOptimalBins	4		SummaryStatistics	Y	
EmRandomSeed	12345		MinOffset	Y		SummaryVariables	TRANSFORMED	
EmSampleMethod	FIRSTN		MissingAsLevel	N		UseMetaTransform	Y	

**Node=Create Feature
Variable Summary**

Role	Level	Frequency Count	Name
TARGET	BINARY	1	REP_A16
REJECTED	BINARY	5	A1 A10 A12 A16 A9
REJECTED	INTERVAL	4	A11 A15 A3 A8
REJECTED	NOMINAL	7	A13 A14 A2 A4 A5 A6 A7
INPUT	BINARY	4	IMP_REP_A1 REP_A10 REP_A12 REP_A9
INPUT	INTERVAL	4	REP_A11 REP_A15 REP_A3 REP_A8
INPUT	NOMINAL	7	IMP_REP_A14 IMP_REP_A2 IMP_REP_A4 IMP_REP_A5 IMP_REP_A6 IMP_REP_A7 REP_A13

**Node=Create Feature
Transformations Statistics**

Source	Method	Variable Name	Formula	Number of Levels	Non Missing	Missing	Minimum	Maximum	Mean	Standard Deviation	Skewness	Kurtosis	Label
Output	Formula	TRANS_REP_A2	INT(REP_A2)	.	404	6	13	80	31.5495	12.0530	1.04234	0.74017	

SAS Enterprise Miner Report

**Node=Transform Features
Summary**

Node id = Trans
Node label = Transform Features
Meta path = FIMPORT => Part => Repl => Impt => Trans2 => Trans
Notes =

**Node=Transform Features
Properties**

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Transform		EmSampleSize	DEFAULT		MissingValue	USEINSEARCH	
DefaultClassMethod	NONE		GroupCutoff	0.1		NumberofBins	VARIABLES	
DefaultClassTargetMethod	NONE		GroupMissing	N		Offset	1	
DefaultMethod	NONE		HideVariable	Y		RejectVariable	Y	
DefaultTargetMethod	NONE		MaxOptimalBins	4		SummaryStatistics	Y	
EmRandomSeed	12345		MinOffset	Y		SummaryVariables	TRANSFORMED	
EmSampleMethod	FIRSTN		MissingAsLevel	N		UseMetaTransform	Y	

**Node=Transform Features
Variable Summary**

Role	Level	Frequency Count	Name
TARGET	BINARY	1	REP_A16
REJECTED	BINARY	5	A1 A10 A12 A16 A9
REJECTED	INTERVAL	4	A11 A15 A3 A8
REJECTED	NOMINAL	7	A13 A14 A2 A4 A5 A6 A7
INPUT	BINARY	4	IMP_REP_A1 REP_A10 REP_A12 REP_A9
INPUT	INTERVAL	5	REP_A11 REP_A15 REP_A3 REP_A8 TRANS_REP_A2
INPUT	NOMINAL	7	IMP_REP_A14 IMP_REP_A2 IMP_REP_A4 IMP_REP_A5 IMP_REP_A6 IMP_REP_A7 REP_A13

**Node=Transform Features
Transformations Statistics**

Source	Method	Variable Name	Formula	Number of Levels	Non Missing	Missing
Input	Original	REP_A11		.	410	0
Input	Original	REP_A15		.	410	0
Input	Original	REP_A3		.	410	0
Input	Original	REP_A8		.	410	0
Input	Original	TRANS_REP_A2		.	404	6
Output	Computed	LG10_REP_A11	log10(REP_A11 + 1)	.	410	0
Output	Computed	LG10_REP_A15	log10(REP_A15 + 1)	.	410	0
Output	Computed	LG10_REP_A3	log10(REP_A3 + 1)	.	410	0
Output	Computed	LG10_REP_A8	log10(REP_A8 + 1)	.	410	0
Output	Computed	OPT_TRANS_REP_A2	Optimal Binning(4)	2	.	0

Minimum	Maximum	Mean	Standard Deviation	Skewness	Kurtosis	Label
0	15.09	2.141	3.76	1.96877	2.9980	Replacement: A11
0	11904.27	706.045	1904.29	4.11412	18.5071	Replacement: A15
0	20.02	4.713	4.79	1.22050	0.7738	Replacement: A3
0	13.23	2.276	3.12	2.06890	3.9624	Replacement: A8
13	80.00	31.550	12.05	1.04234	0.7402	
0	1.21	0.283	0.39	1.04455	-0.3611	Transformed: Replacement: A11
0	4.08	1.287	1.37	0.47899	-1.3340	Transformed: Replacement: A15
0	1.32	0.608	0.36	0.16065	-1.1500	Transformed: Replacement: A3
0	1.15	0.376	0.33	0.72909	-0.4349	Transformed: Replacement: A8
.	.	.	.	.	.	Transformed TRANS_REP_A2

SAS Enterprise Miner Report

Node=Variable Selection
Summary

Node id = Varsel
Node label = Variable Selection
Meta path = FIMPORT => Part => Repl => Impt => Trans2 => Trans => Grp => Varsel
Notes =

Node=Variable Selection
Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	VariableSelection		MaxLevel	100		RoleUnusedVars	DEFAULT	
Bins	50		MaxMissingPercent	50		SASSPDS	Y	
ByPassVars	NONE		MaxRows	3000		StopR2	0.0005	
ByPassVarsRole	INPUT		MinR2	0.005		TargetModel	DEFAULT	
ChiSquare	3.84		Passes	6		UseAov16	N	
HideRejectedVars	Y		PrintOption	DEFAULT		UseGroups	Y	
HideUnusedInputVars	Y		RejectUnusedInputVars	Y		UseInteractions	N	

Node=Variable Selection
Variable Summary

Role	Level	Frequency Count	Name
TARGET	BINARY	1	REP_A16
INPUT	BINARY	2	REP_A10 REP_A12
INPUT	INTERVAL	4	LG10_REP_A11 LG10_REP_A15 LG10_REP_A3 LG10_REP_A8
INPUT	NOMINAL	8	IMP_REP_A14 IMP_REP_A2 IMP_REP_A4 IMP_REP_A5 IMP_REP_A6 IMP_REP_A7 OPT_TRANS_REP_A2 REP_A13

Node=Variable Selection
Variable Selection

Variable Name	Role	Measurement Level	Type	Label	Reasons for Rejection
G_IMP_REP_A6	INPUT	NOMINAL	N	Grouped Levels for IMP_REP_A6	
G_IMP_REP_A7	INPUT	NOMINAL	N	Grouped Levels for IMP_REP_A7	
IMP_REP_A14	REJECTED	NOMINAL	C	Imputed: Replacement: A14	Varsel:Exceed the maximum class level of 100
IMP_REP_A2	REJECTED	NOMINAL	C	Imputed: Replacement: A2	Varsel:Exceed the maximum class level of 100
IMP_REP_A4	REJECTED	NOMINAL	C	Imputed: Replacement: A4	Varsel:Small R-square value
IMP_REP_A5	INPUT	NOMINAL	C	Imputed: Replacement: A5	
IMP_REP_A6	REJECTED	NOMINAL	C	Imputed: Replacement: A6	Varsel:Small R-square value, Group variable preferred
IMP_REP_A7	REJECTED	NOMINAL	C	Imputed: Replacement: A7	Varsel:Small R-square value, Group variable preferred
LG10_REP_A11	INPUT	INTERVAL	N	Transformed: Replacement: A11	
LG10_REP_A15	INPUT	INTERVAL	N	Transformed: Replacement: A15	
LG10_REP_A3	REJECTED	INTERVAL	N	Transformed: Replacement: A3	Varsel:Small R-square value
LG10_REP_A8	INPUT	INTERVAL	N	Transformed: Replacement: A8	
OPT_TRANS_REP_A2	INPUT	NOMINAL	C	Transformed TRANS_REP_A2	
REP_A10	REJECTED	BINARY	C	Replacement: A10	Varsel:Small R-square value
REP_A12	REJECTED	BINARY	C	Replacement: A12	Varsel:Small R-square value
REP_A13	INPUT	NOMINAL	C	Replacement: A13	

SAS Enterprise Miner Report
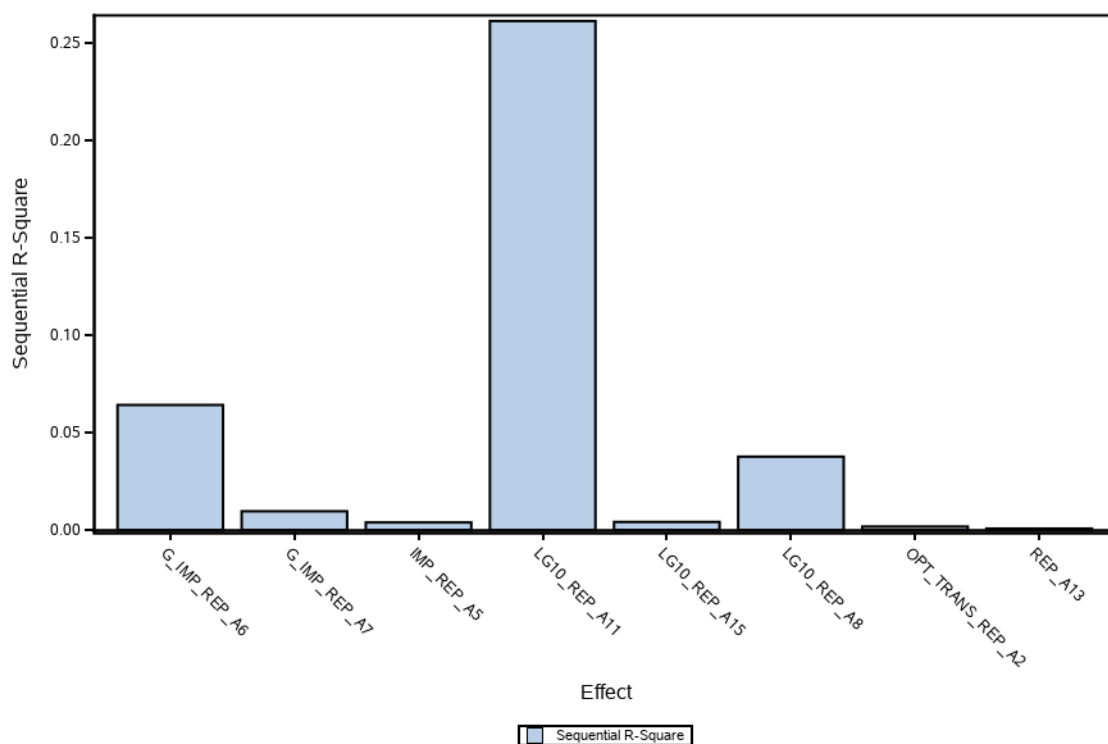Node=Variable Selection
R2 Values
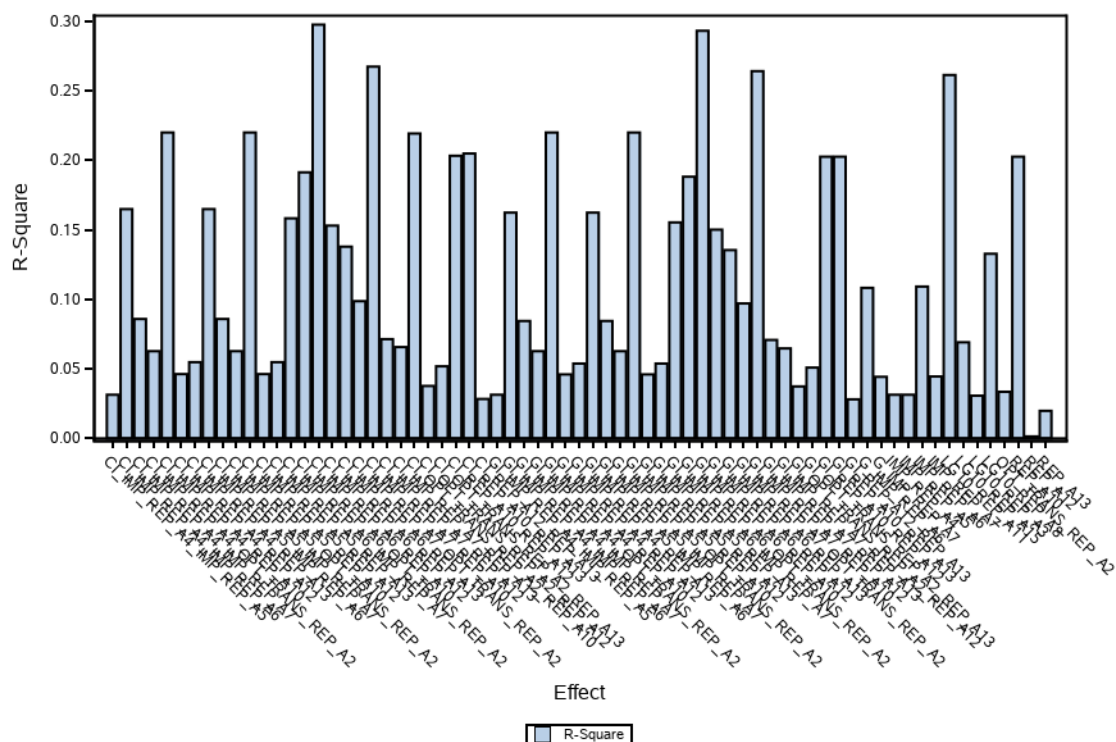
SAS Enterprise Miner Report
Node=Variable Selection
Effects in the Model

SAS Enterprise Miner Report

Node=Neural Network
Summary

Node id = Neural
Node label = Neural Network
Meta path = FIMPORT => Part => Repl => Impt => Trans2 => Trans => Grp => Varsel => Neural
Notes =

Node=Neural Network
Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	NeuralNetwork		Hidden	5	3	Prelim	Y	
AbsConvValue	-1.34078E154	-7.237006E75	HiddenActivation	DEFAULT		PrelimMaxTime	1 HOUR	
AbsFTime	1		HiddenBias	Y		PrelimMaxiter	10	
AbsFValue	0		HiddenCombFunction	DEFAULT		PrelimOutest		
AbsGTime	1		HiddenUnits	N		PreliminaryRuns	5	
AbsGValue	0.00001		InitialDs			RandDist	NORMAL	
AbsXTime	1		InitialSeed	12345		RandLoc	0	
AbsXValue	1E-8		InputStandardization	STD		RandScale	0.1	
Accelerate	1.2		Learn	0.1		Residuals	Y	
AddHidden	Y		MaxLearn	50		Standardizations	N	
CodefileNoRes			MaxMomentum	1.75		SuppressOutput	N	
CodefileRes			Maxiter	50		TargetActivation	DEFAULT	
ConvDefaults	Y		Maxtime	4 HOURS		TargetBias	Y	
Decelerate	0.5		MinLearn	0.00001		TargetCombFunction	DEFAULT	
DirectConnection	Y	N	ModelSelectionCriterion	MISCLASSIFICATION	PROFIT/LOSS	TargetError	DEFAULT	
FConvTime	1		Momentum	0		Tilt	0	
FConvValue	0		NetworkArchitecture	MLP		TrainCode		
GConvTime	1		Outest			TrainingTechnique	DEFAULT	
GConvValue	1E-6		Outfit			UseEstimates	N	

Node=Neural Network
Variable Summary

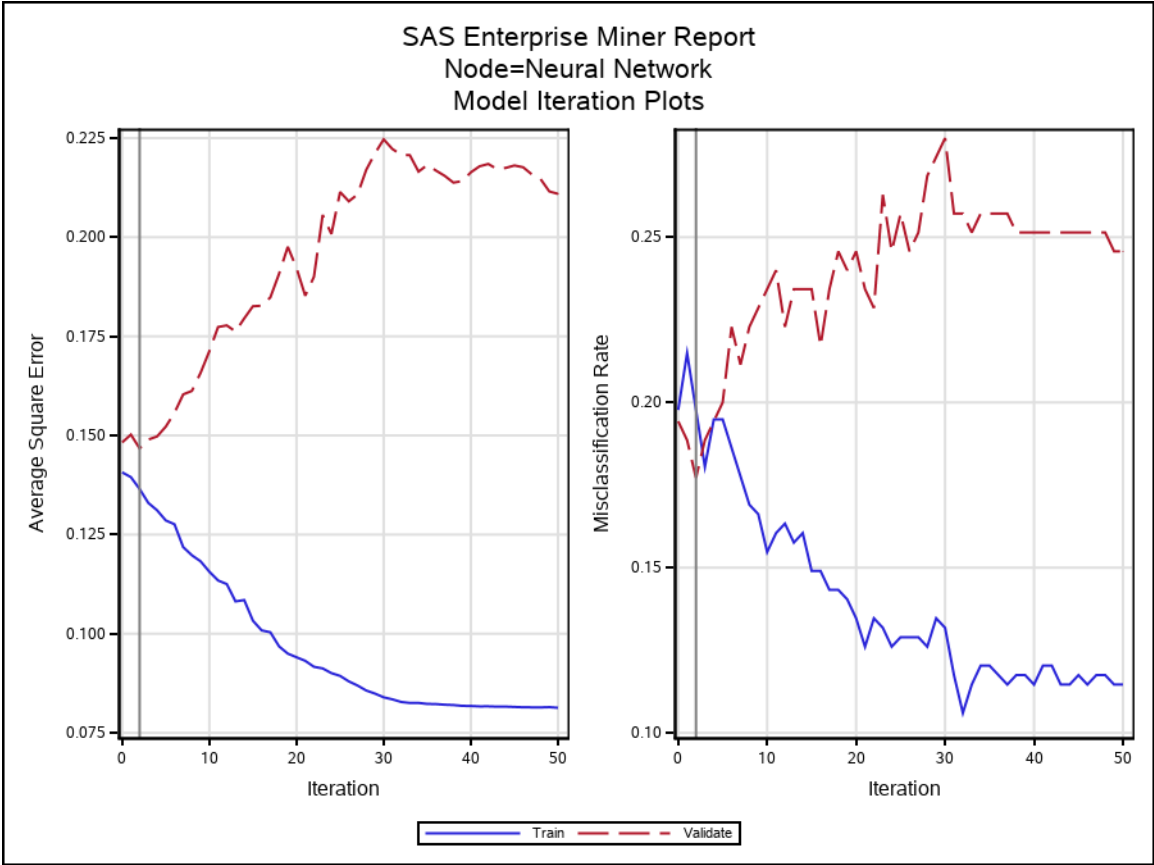| Role	Level	Frequency Count	Name
TARGET	BINARY	1	REP_A16
INPUT	INTERVAL	3	LG10_REP_A11 LG10_REP_A15 LG10_REP_A8
INPUT	NOMINAL	5	G_IMP_REP_A6 G_IMP_REP_A7 IMP_REP_A5 OPT_TRANS_REP_A2 REP_A13

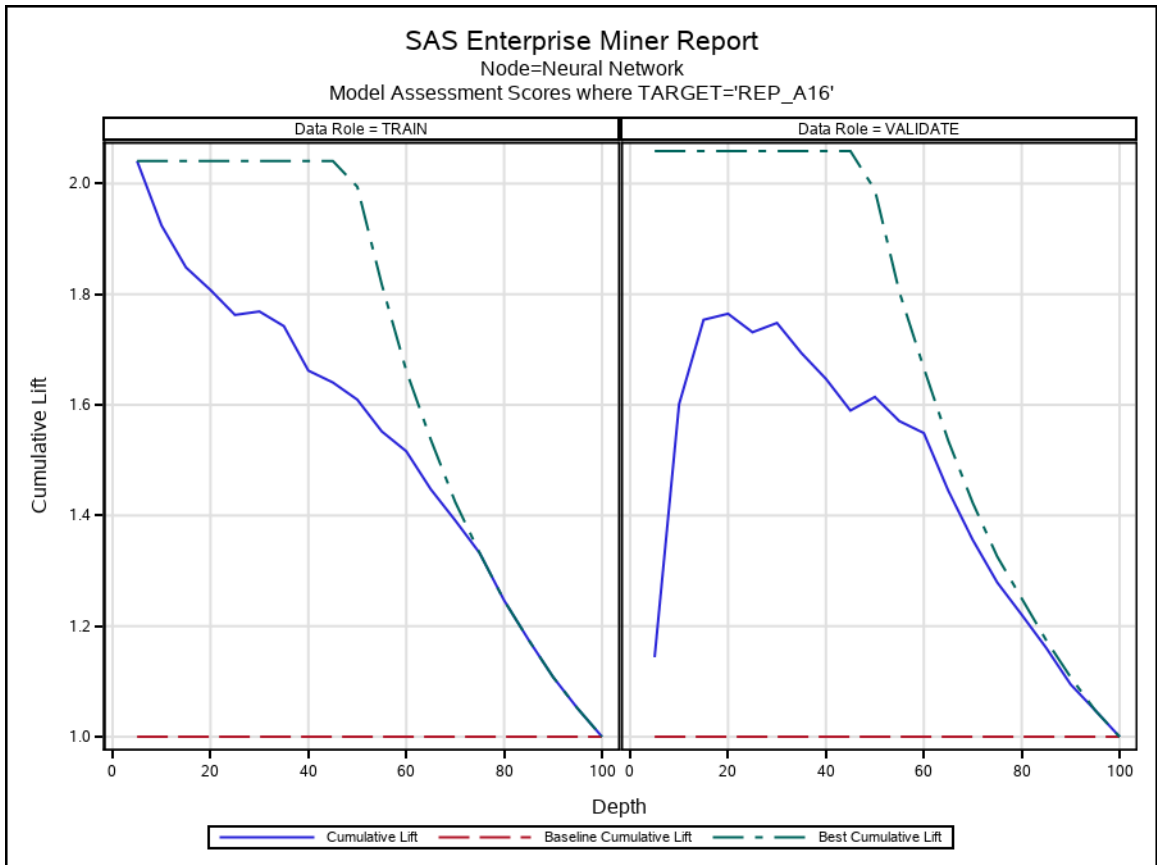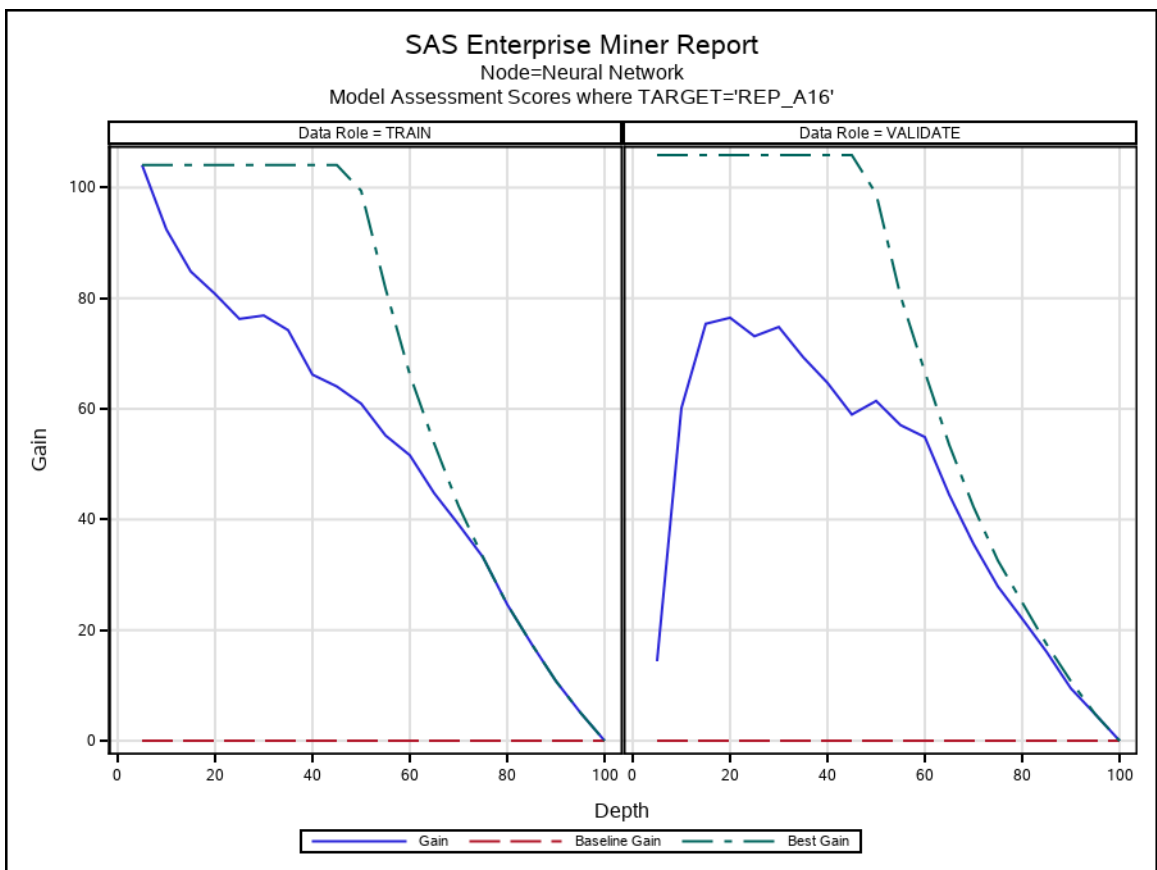## Node=Neural Network
Model Fit Statistics

Target=REP_A16 Target Label=Replacement: A16

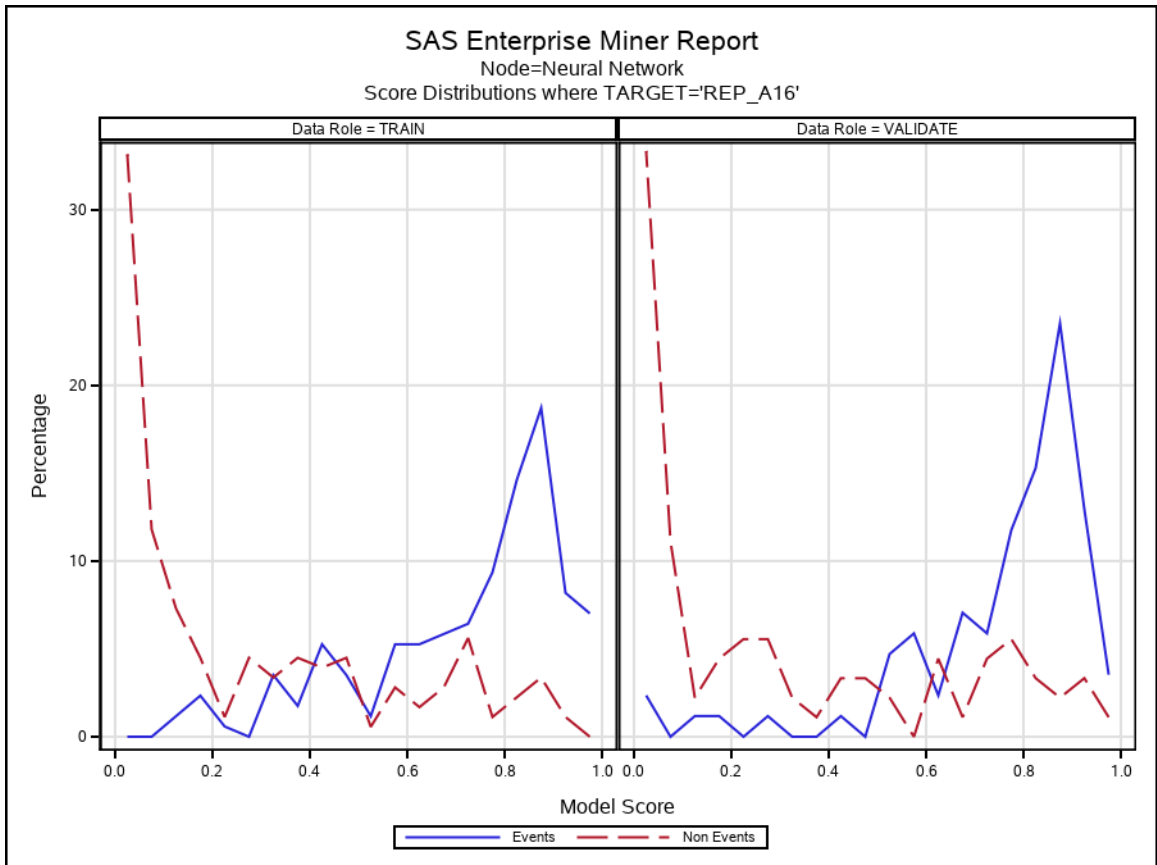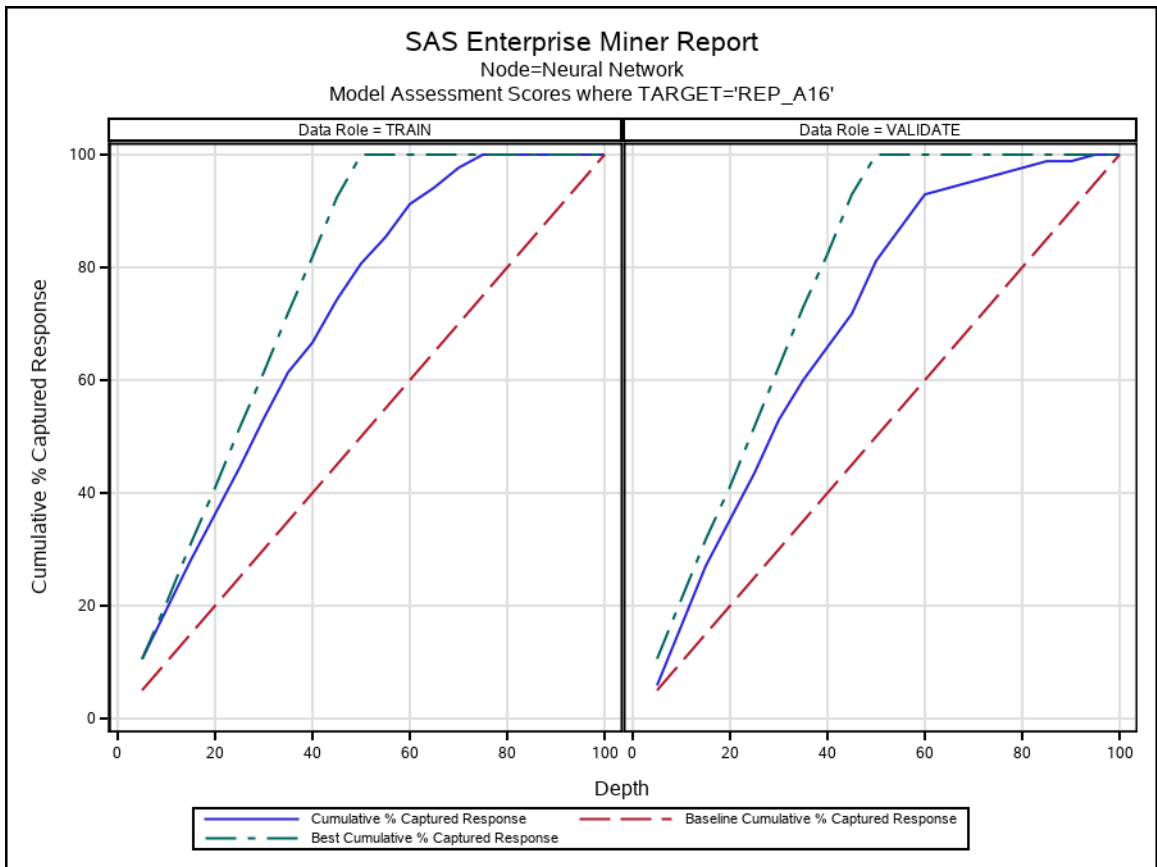| Label of Statistic	Train	Validation	Test
Total Degrees of Freedom	349.000	.	.
Degrees of Freedom for Error	248.000	.	.
Model Degrees of Freedom	101.000	.	.
Number of Estimated Weights	101.000	.	.
Akaike's Information Criterion	491.020	.	.
Schwarz's Bayesian Criterion	880.383	.	.
Average Squared Error	0.137	0.147	0.137
Maximum Absolute Error	0.908	0.986	0.981
Divisor for ASE	698.000	350.000	132.000

Target=REP_A16 Target Label=Replacement: A16

Label of Statistic	Train	Validation	Test
Sum of Frequencies	349.000	175.000	66.000
Root Average Squared Error	0.369	0.383	0.370
Sum of Squared Errors	95.278	51.358	18.075
Sum of Case Weights Times Freq	698.000	350.000	132.000
Final Prediction Error	0.248	.	.
Mean Squared Error	0.192	0.147	0.137
Root Final Prediction Error	0.498	.	.
Root Mean Squared Error	0.438	0.383	0.370
Average Error Function	0.414	0.469	0.475
Error Function	289.020	164.237	62.753
Misclassification Rate	0.198	0.177	0.167
Number of Wrong Classifications	69.000	31.000	11.000

SAS Enterprise Miner Report
Node=Neural Network
Model Iteration Plots

SAS Enterprise Miner Report
Node=Neural Network
Model Assessment Scores where TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Neural Network
Model Assessment Scores where TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Neural Network
Model Assessment Scores where TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Neural Network
Score Distributions where TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Neural Network
Score Distributions where TARGET='REP_A16'
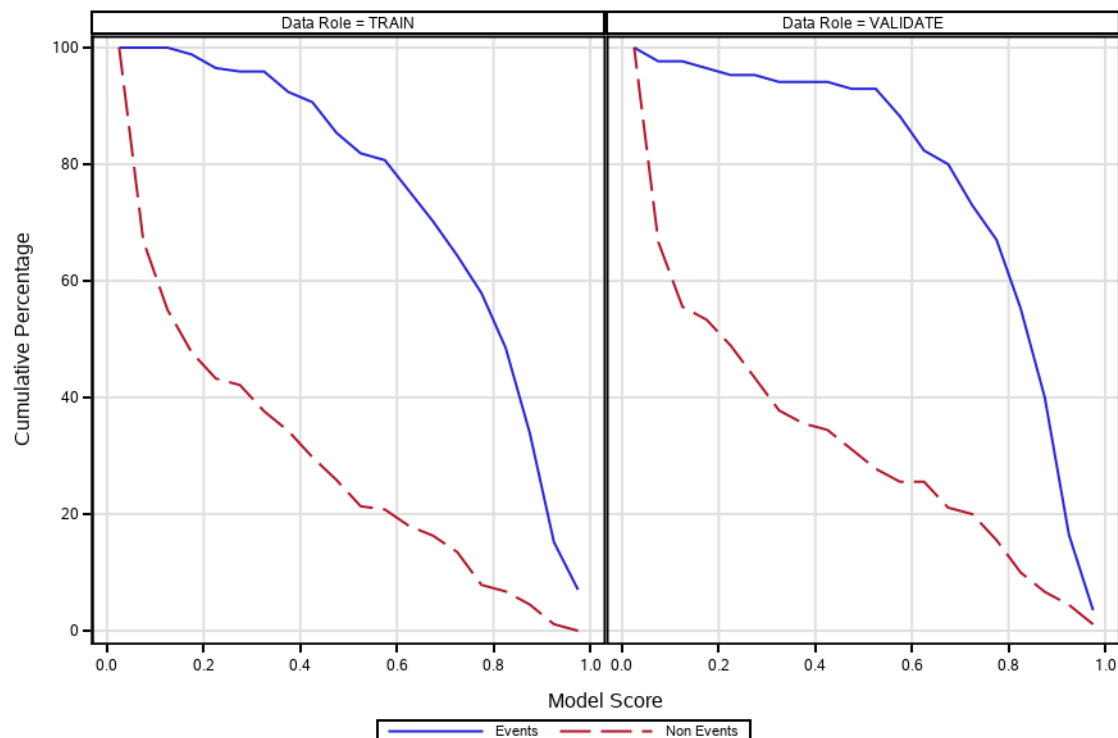
Node=Neural Network
Score Distributions

Target Variable=REP_A16 Data Role=TRAIN

Posterior Probability Range	Number of Events	Percentage of Events	Percentage of Nonevents	Cumulative Percentage of Events	Cumulative Percentage of Nonevents
0.95-1.00	12	7.0175	0.0000	7.018	0.000
0.90-0.95	14	8.1871	1.1236	15.205	1.124
0.85-0.90	32	18.7135	3.3708	33.918	4.494
0.80-0.85	25	14.6199	2.2472	48.538	6.742
0.75-0.80	16	9.3567	1.1236	57.895	7.865
0.70-0.75	11	6.4327	5.6180	64.327	13.483
0.65-0.70	10	5.8480	2.8090	70.175	16.292
0.60-0.65	9	5.2632	1.6854	75.439	17.978
0.55-0.60	9	5.2632	2.8090	80.702	20.787
0.50-0.55	2	1.1696	0.5618	81.871	21.348
0.45-0.50	6	3.5088	4.4944	85.380	25.843
0.40-0.45	9	5.2632	3.9326	90.643	29.775
0.35-0.40	3	1.7544	4.4944	92.398	34.270
0.30-0.35	6	3.5088	3.3708	95.906	37.640
0.25-0.30	0	0.0000	4.4944	95.906	42.135
0.20-0.25	1	0.5848	1.1236	96.491	43.258
0.15-0.20	4	2.3392	4.4944	98.830	47.753
0.10-0.15	2	1.1696	7.3034	100.000	55.056
0.05-0.10	0	0.0000	11.7978	100.000	66.854
0.00-0.05	0	0.0000	33.1461	100.000	100.000

Target Variable=REP_A16 Data Role=VALIDATE

Posterior Probability Range	Number of Events	Percentage of Events	Percentage of Nonevents	Cumulative Percentage of Events	Cumulative Percentage of Nonevents
0.95-1.00	3	3.5294	1.1111	3.529	1.111
0.90-0.95	11	12.9412	3.3333	16.471	4.444
0.85-0.90	20	23.5294	2.2222	40.000	6.667
0.80-0.85	13	15.2941	3.3333	55.294	10.000
0.75-0.80	10	11.7647	5.5556	67.059	15.556
0.70-0.75	5	5.8824	4.4444	72.941	20.000
0.65-0.70	6	7.0588	1.1111	80.000	21.111
0.60-0.65	2	2.3529	4.4444	82.353	25.556
0.55-0.60	5	5.8824	0.0000	88.235	25.556
0.50-0.55	4	4.7059	2.2222	92.941	27.778
0.45-0.50	0	0.0000	3.3333	92.941	31.111
0.40-0.45	1	1.1765	3.3333	94.118	34.444
0.35-0.40	0	0.0000	1.1111	94.118	35.556
0.30-0.35	0	0.0000	2.2222	94.118	37.778
0.25-0.30	1	1.1765	5.5556	95.294	43.333
0.20-0.25	0	0.0000	5.5556	95.294	48.889
0.15-0.20	1	1.1765	4.4444	96.471	53.333
0.10-0.15	1	1.1765	2.2222	97.647	55.556
0.05-0.10	0	0.0000	11.1111	97.647	66.667
0.00-0.05	2	2.3529	33.3333	100.000	100.000

SAS Enterprise Miner Report

**Node=Model Comparison
Summary**

Node id = MdlComp
Node label = Model Comparison
Meta path = FIMPORT => Part => Repl => Impt => Trans2 => Trans => Grp => Varsel => Neural => MdlC
omp
Notes =

**Node=Model Comparison
Properties**

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModelCompare		NumberOfReportedLevels	1E-6		SelectionData	DEFAULT	
AssessAllTargetLevels	N		NumberofBins	20		SelectionDepth	10	
DecileBin	20		ProfitEpsilon	1E-6		SelectionTable	TRAIN	TABLE
HPCriteria	_MISC_	DEFAULT	RecomputeAssess	N		StatisticUsed	_MISC_	
LiftEpsilon	1E-6		RocChart	Y		TargetLabel	Replacement: A16	
ModelCriteria	Train: Misclassification Rate		RocEpsilon	0.01		TargetName	REP_A16	
ModelDescription	Neural Network		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
ModelId	Neural		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Y		SelectionCriteria	_MISC_	DEFAULT			

**Node=Model Comparison
Variable Summary**

Role	Level	Frequency Count	Name
TARGET	BINARY	1	REP_A16

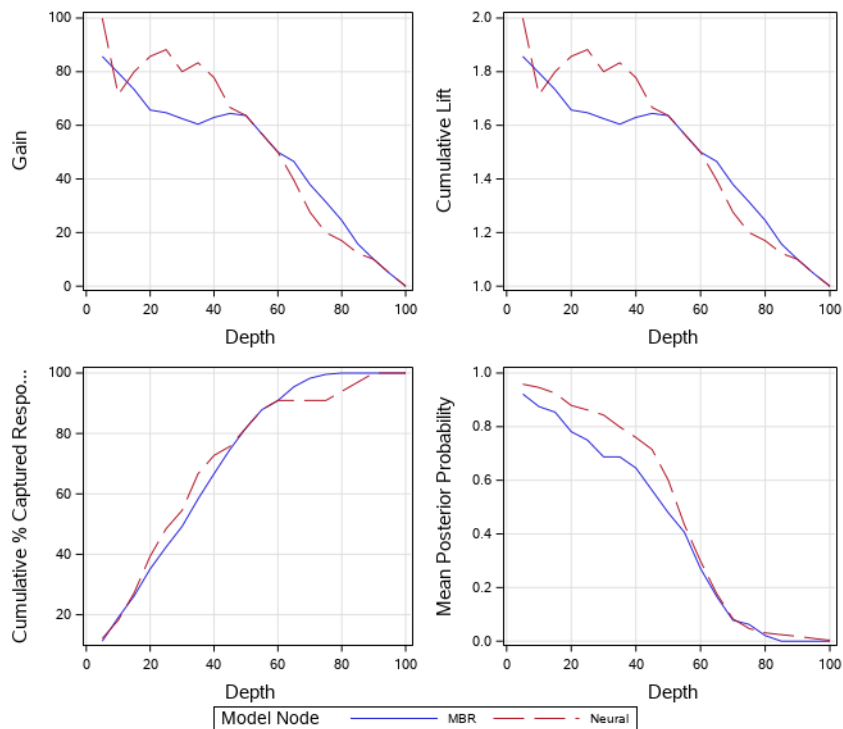**Node=Model Comparison
Fit Statistics Table**

Selected Model	Predecessor Node	Model Node	Model Description	Target Variable	Target Label	Selection Criterion: Train: Misclassification Rate	Train: Average Squared Error	Train: Misclassification Rate	Train: Kolmogorov-Smirnov Statistic
Y	Neural	Neural	Neural Network	REP_A16	Replacement: A16	0.19771	0.13650	0.19771	0.623
	MBR	MBR	MBR	REP_A16	Replacement: A16	0.23496	0.15186	0.23496	0.548

Selected Model	Predecessor Node	Model Node	Model Description	Target Variable	Target Label	Selection Criterion: Train: Misclassification Rate	Valid: Average Squared Error	Valid: Misclassification Rate	Valid: Kolmogorov-Smirnov Statistic
Y	Neural	Neural	Neural Network	REP_A16	Replacement: A16	0.19771	0.14674	0.17714	0.652
	MBR	MBR	MBR	REP_A16	Replacement: A16	0.23496	0.16527	0.24000	0.533

SAS Enterprise Miner Report
Node=Model Comparison
Classification Chart
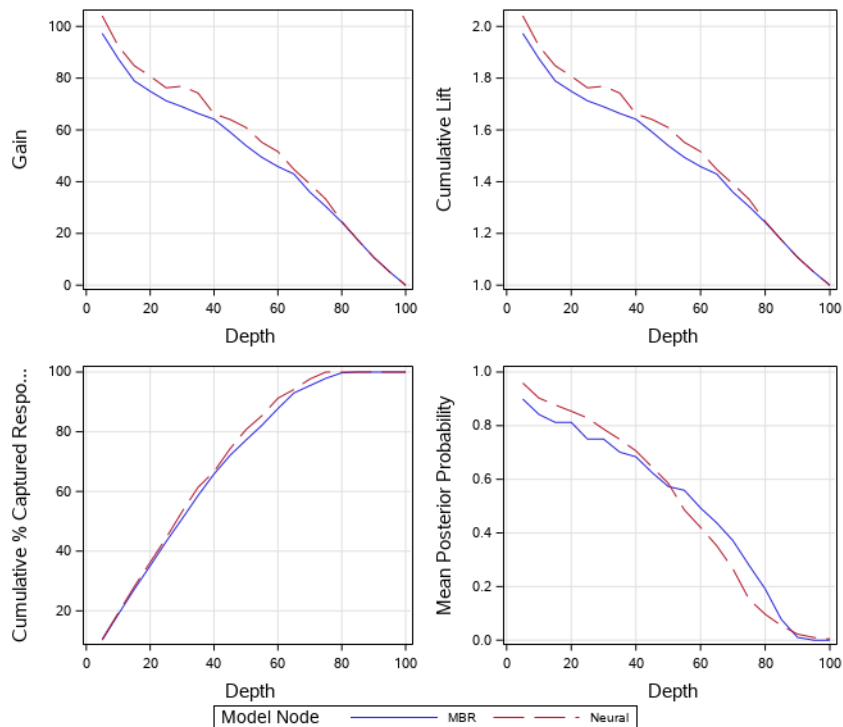TARGET='REP_A16' and _TYPE_='PREDICTION'
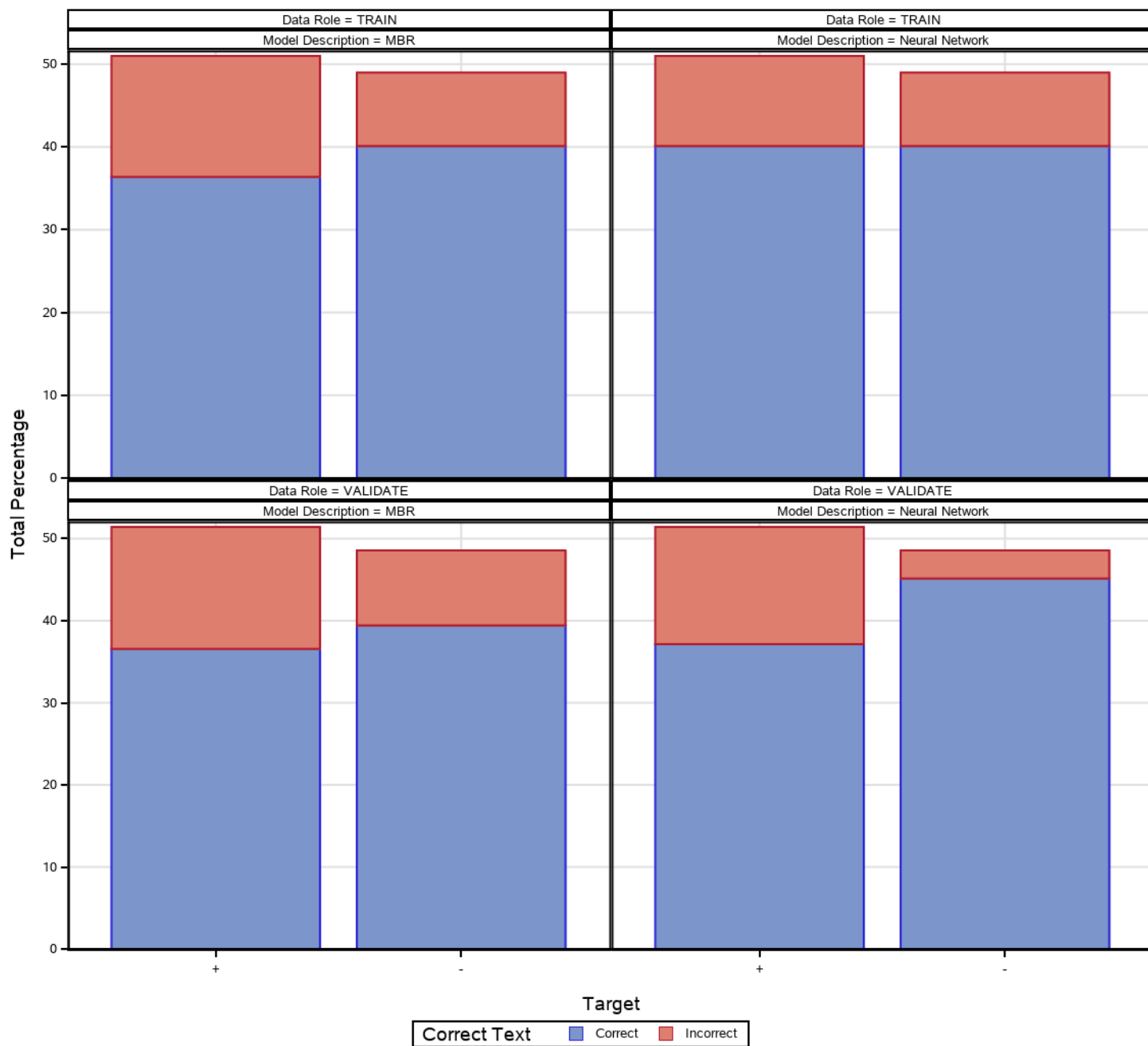
SAS Enterprise Miner Report
Node=Model Comparison
Multiple Model Assessment Scores where DataRole=TEST
TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Model Comparison
Multiple Model Assessment Scores where DataRole=TRAIN
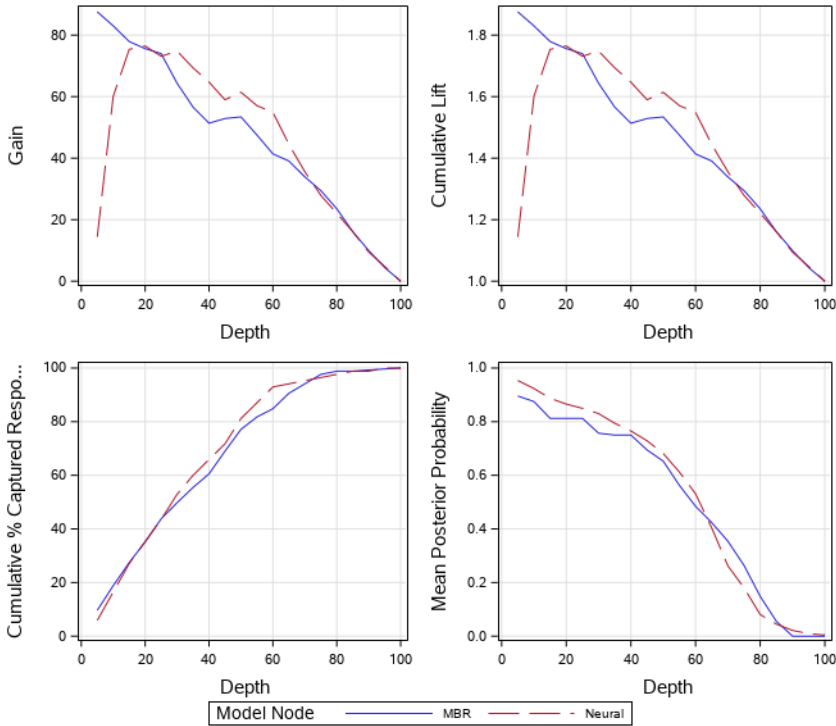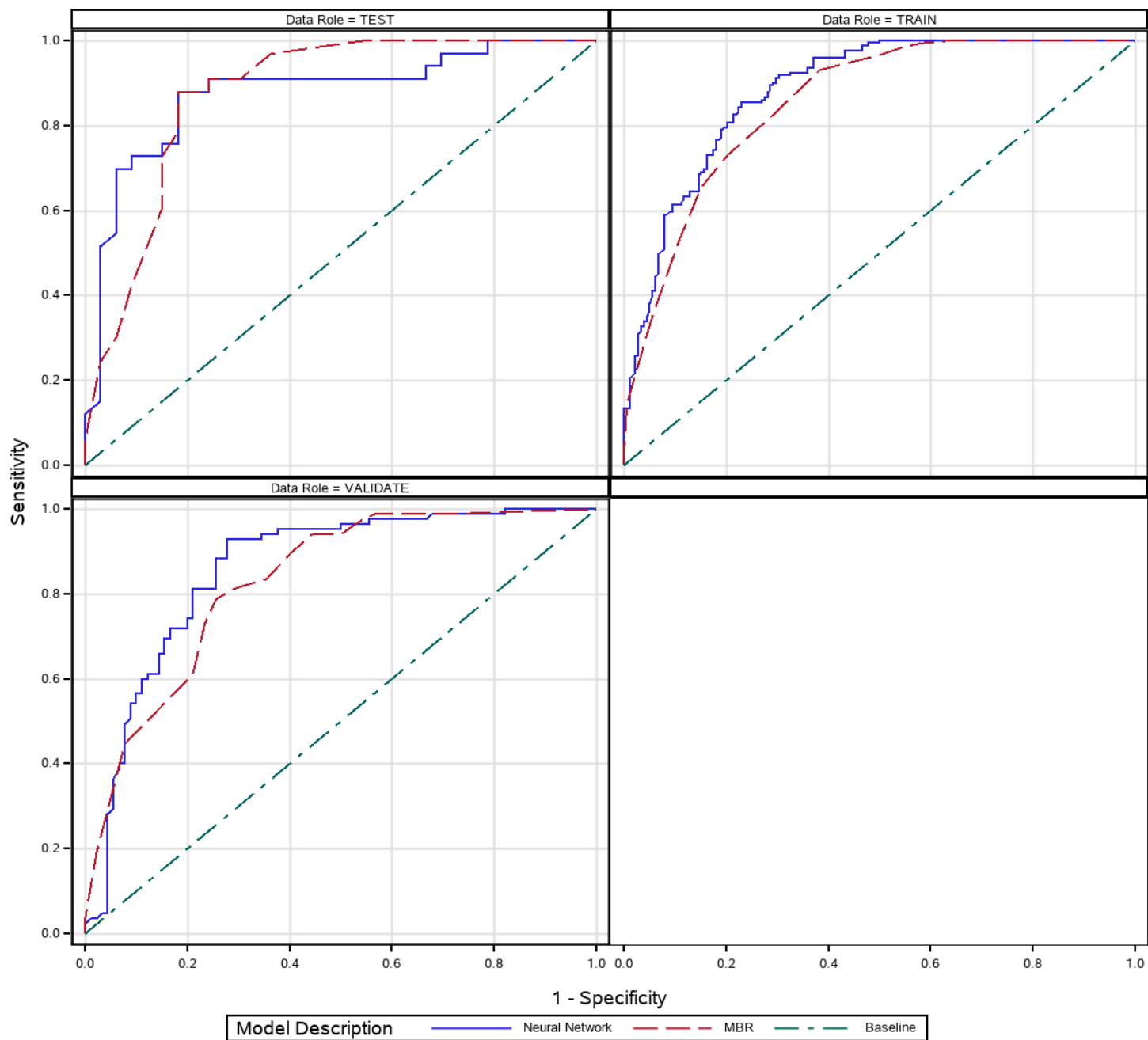TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Model Comparison
Multiple Model Assessment Scores where DataRole=VALIDATE
TARGET='REP_A16'

SAS Enterprise Miner Report
Node=Model Comparison
ROC Chart
TARGET='REP_A16' and EVENT='-'

SAS Enterprise Miner Report

Node=EndGrp
Summary

Node id = EndGrp
Node label = EndGrp
Meta path = FIMPORT => Part => Repl => Impt => Trans2 => Trans => Grp => Varsel => Neural => MdlC
omp => EndGrp
Notes =

Node=EndGrp
Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	EndGroup		ToolType	MODEL				

Node=EndGrp
Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	3	LG10_REP_A11 LG10_REP_A15 LG10_REP_A8
INPUT	NOMINAL	5	G_IMP_REP_A6 G_IMP_REP_A7 IMP_REP_A5 OPT_TRANS_REP_A2 REP_A13

SAS Enterprise Miner Report

**Node=Score
Summary**

Node id = Score
Node label = Score
Meta path = FIMPORT => Part => Repl => Impt => Trans2 => Trans => Grp => Varsel => Neural => MdlC
omp => EndGrp => Score
Notes =

**Node=Score
Properties**

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Score		HideInput	Y		JScore	N	
CScore	N		HideOther	Y		OptimizedCode	Y	
FixedOutputNames	Y		HidePredict	Y		OutputType	VIEW	
GraphReports	Y		HideRejected	Y		PackageName	DEFAULT	
HideAssess	Y		HideResidual	Y		PreferenceName		
HideClassification	Y		HideTarget	Y		ScoreTest	Y	N
HideFreq	Y		HideVariables	N		ScoreValidate	Y	N

**Node=Score
Variable Summary**

Role	Level	Frequency Count	Name
TARGET	BINARY	1	REP_A16
SEGMENT	NOMINAL	1	b_REP_A16

End of Report