User
 = u59378098

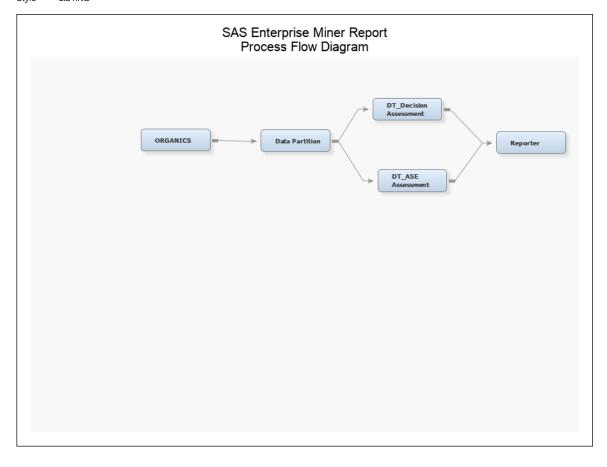
 Date
 = 16:27:29 September 20

 Project
 = Assignment1

 Diagram
 = Organics

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

Format = PDF Style = LISTING



#### Node=ORGANICS Summary

Node id = Ids Node label = ORGANICS Meta path = Ids Notes =

#### Node=ORGANICS Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	u59378098		NBytes	2229248	
ApplyIntervalLevelLowerLimit	Υ		Dsld	organics		NCols	13	
ApplyMaxClassLevels	Υ		DsModifiedBy	u59378098		NObs	22223	
ApplyMaxPercentMissing	Υ		DsModifyDate	1947768995.5		NewTable		
CMeta	WORK.M0ATBO6B		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Υ		DsSampleSizeType			Role	RAW	TRAIN
Data	AAEM.ORGANICS		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Υ		SampleSizeObs	10000	
DataSource	organics		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	AAEM		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Υ		MaxPercentMissing	50		Segment		
DsCreateDate	1947768995.5		MetaAdvisor	BASIC		Table	ORGANICS	

#### Node=ORGANICS Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	ORGANICS	Date Created	02Apr2012:18:02:36	Data Size	2229248
Data Type	DATA	Date Modified	02Apr2012:18:02:36	Role	RAW
Data Label		Number Rows	22223	Segment	
Engine	BASE	Number Columns	13	Data Library	AAEM

#### Node=ORGANICS Variables List

Name	Label	Role	Level	Туре	Length	Format	Creator
DemAffl	Affluence Grade	INPUT	INTERVAL	N	8		
DemAge	Age	INPUT	INTERVAL	N	8		
DemCluster	Neigborhood Cluster-55 Level	REJECTED	NOMINAL	С	2		
DemClusterGroup	Neighborhood Cluster-7 Level	INPUT	NOMINAL	С	1		
DemGender	Gender	INPUT	NOMINAL	С	1		
DemReg	Geographic Region	INPUT	NOMINAL	С	10		
DemTVReg	Television Region	INPUT	NOMINAL	С	12		
ID	Customer Loyalty ID	ID	NOMINAL	С	10		
PromClass	Loyalty Status	INPUT	NOMINAL	С	8		
PromSpend	Total Spend	INPUT	INTERVAL	N	8		
PromTime	Loyalty Card Tenure	INPUT	INTERVAL	N	8		

Name	Label	Role	Level	Туре	Length	Format	Creator
TargetAmt	Organics Purchase Count	REJECTED	INTERVAL	N	8		
TargetBuy	Organics Purchase Indicator	TARGET	BINARY	N	8		

### Node=Data Partition Summary

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

### Node=Data Partition Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Partition		Method	DEFAULT		TestPct	0	30
ClassDistribution	Υ		OutputType	DATA		TrainPct	50	40
IntervalDistribution	Υ		RandomSeed	12345		ValidatePct	50	30

#### Node=Data Partition Variable Summary

Role	Level	Frequency Count	Name
TARGET	BINARY	1	TargetBuy
REJECTED	INTERVAL	1	TargetAmt
REJECTED	NOMINAL	1	DemCluster
INPUT	INTERVAL	4	DemAffl DemAge PromSpend PromTime
INPUT	NOMINAL	5	DemClusterGroup DemGender DemReg DemTVReg PromClass
ID	NOMINAL	1	ID

## Node=DT\_Decision Assessment Summary

Node id = Tree Node label = DT\_Decision Assessment Meta path = Ids => Part => Tree Notes =

# Node=DT\_Decision Assessment Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Υ		Pred	N	
AVG	Υ		KassApply	BEFORE		Predict	Υ	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Υ		RASE	N	
cv	N		Maxbranch	2		SampleMethod	RANDOM	
CVNlter	10		Maxdepth	6		SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Υ	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Υ	
Count	Υ		NodeRole	SEGMENT		SigLevel	0.2	
CreateSample	DEFAULT		NodeSample	20000		SplitPrecision	4	
Criterion	DEFAULT		NominalCriterion	PROBCHISQ		Splitsize		
Depth	Υ		Nrules	5		Subtree	ASSESSMENT	
Dummy	N		Nsurrs	0		Target	ALL	
Exhaustive	5000		NumInputs	1		ToolType	MODEL	
Freeze	N		NumSingleImp	5		TrainMode	BATCH	
ImportModel	N		ObsImportance	N		UseDecision	N	
ImportedTreeData			OrdinalCriterion	ENTROPY		UseMultipleTarget	N	
Inputs	N		PercentCorrect	N		UsePriors	N	
IntColorBy	AVG		Performance	DISK		UseVarOnce	N	
IntervalCriterion	PROBF		Precision	4		VarSelection	Υ	

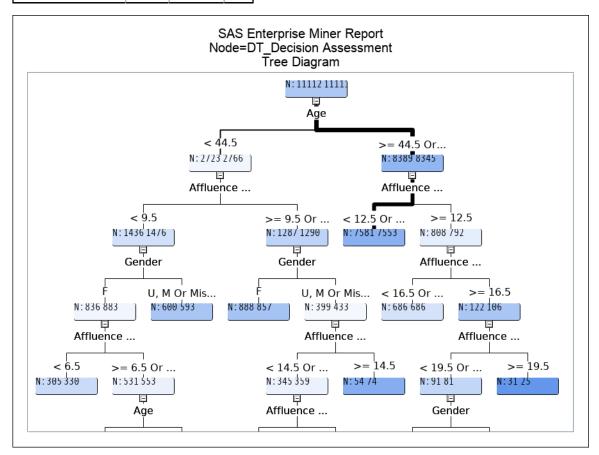
# Node=DT\_Decision Assessment Variable Summary

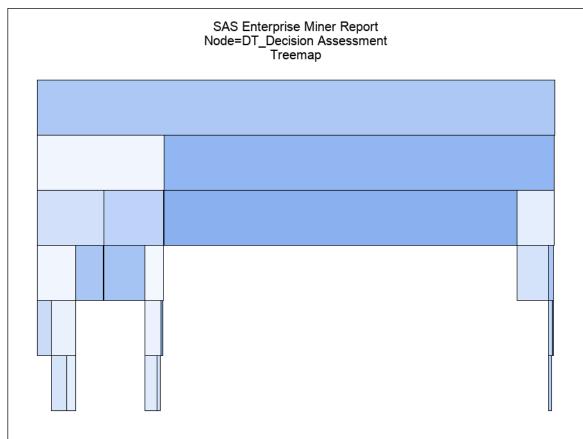
Role	Level	Frequency Count	Name
TARGET	BINARY	1	TargetBuy
INPUT	INTERVAL	4	DemAffl DemAge PromSpend PromTime
INPUT	NOMINAL	5	DemClusterGroup DemGender DemReg DemTVReg PromClass
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ID

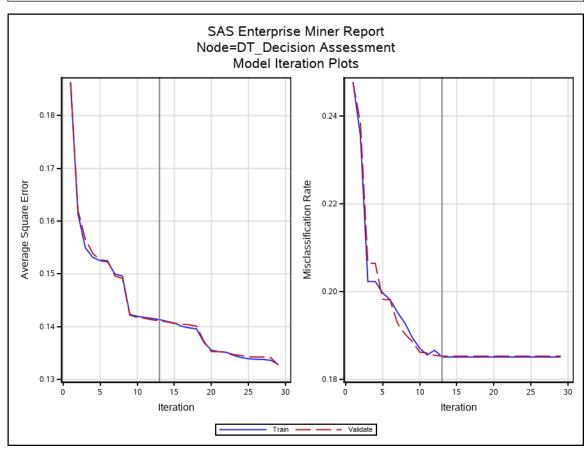
Node=DT\_Decision Assessment Model Fit Statistics

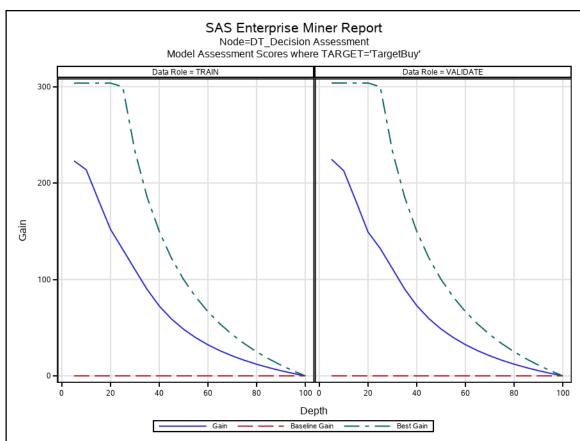
Target=TargetBuy Target Label=Organics Purchase Indicator

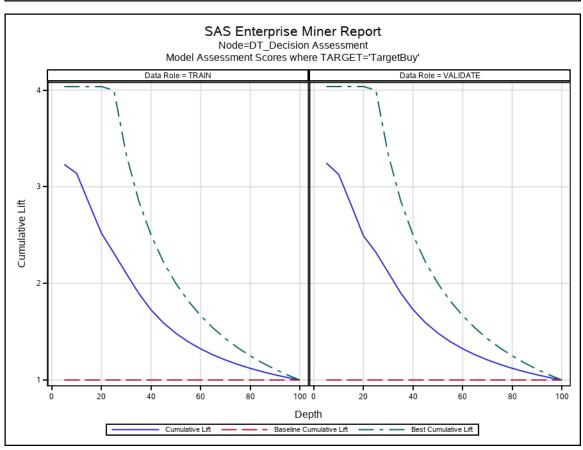
Label of Statistic	Train	Validation	Test
Sum of Frequencies	11112.00	11111.00	
Misclassification Rate	0.19	0.19	
Maximum Absolute Error	0.89	1.00	
Sum of Squared Errors	3141.31	3136.11	
Average Squared Error	0.14	0.14	
Root Average Squared Error	0.38	0.38	
Divisor for ASE	22224.00	22222.00	
Total Degrees of Freedom	11112.00		

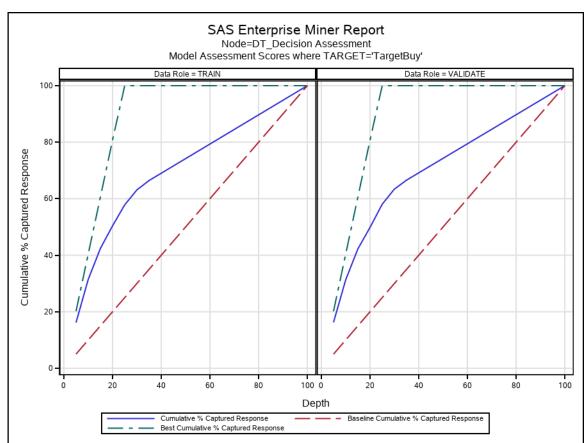


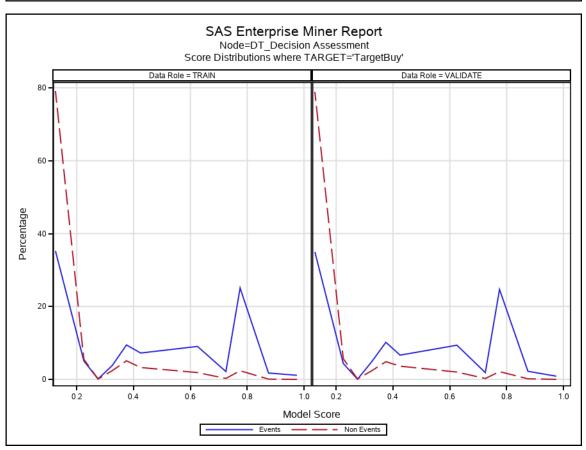


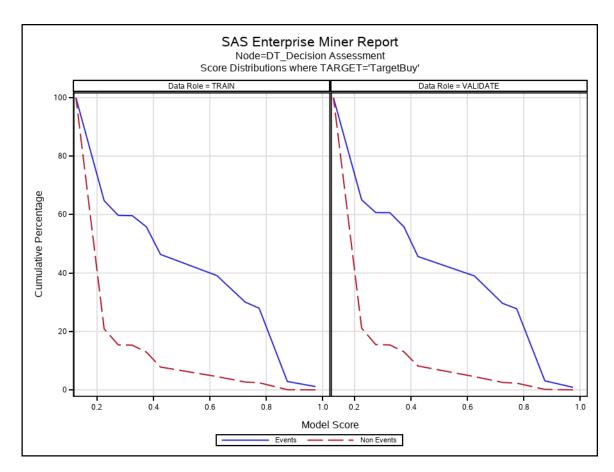












## Node=DT\_Decision Assessment Score Distributions

Target Variable=TargetBuy 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	31	1.1260	0.0000	1.126	0.000
0.85-0.90	48	1.7436	0.0718	2.870	0.072
0.75-0.80	690	25.0636	2.3687	27.933	2.440
0.70-0.75	59	2.1431	0.2512	30.076	2.692
0.60-0.65	249	9.0447	1.8663	39.121	4.558
0.40-0.45	199	7.2285	3.2540	46.349	7.812
0.35-0.40	260	9.4442	5.0963	55.794	12.908
0.30-0.35	105	3.8140	2.3926	59.608	15.301
0.25-0.30	3	0.1090	0.0957	59.717	15.397
0.20-0.25	139	5.0490	5.5150	64.766	20.912
0.10-0.15	970	35.2343	79.0884	100.000	100.000

Target Variable=TargetBuy Data Role=VALIDATE

g					
Posterior Probability Range	Number of Events	Percentage of Events	Percentage of Nonevents	Cumulative Percentage of Events	Cumulative Percentage of Nonevents
0.95-1.00	24	0.8721	0.0120	0.872	0.012
0.85-0.90	61	2.2166	0.1555	3.089	0.167
0.75-0.80	679	24.6730	2.1294	27.762	2.297
0.70-0.75	51	1.8532	0.2393	29.615	2.536
0.60-0.65	258	9.3750	2.0098	38.990	4.546
0.40-0.45	183	6.6497	3.6248	45.640	8.171

#### Target Variable=TargetBuy Data Role=VALIDATE

Posterior Probability Range	Number of Events	Percentage of Events	Percentage of Nonevents	Cumulative Percentage of Events	Cumulative Percentage of Nonevents
0.35-0.40	280	10.1744	4.8570	55.814	13.028
0.30-0.35	133	4.8328	2.3567	60.647	15.385
0.25-0.30	1	0.0363	0.1077	60.683	15.492
0.20-0.25	120	4.3605	5.6586	65.044	21.151
0.10-0.15	962	34.9564	78.8491	100.000	100.000

### Node=DT\_ASE Assessment Summary

Node id = Tree2 Node label = DT\_ASE Assessment Meta path = Ids => Part => Tree2 Notes =

# Node=DT\_ASE Assessment Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Υ		Pred	N	
AVG	Υ		KassApply	BEFORE		Predict	Υ	
AssessMeasure	ASE	PROFIT/LOSS	LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Υ		RASE	N	
CV	N		Maxbranch	2		SampleMethod	RANDOM	
CVNIter	10		Maxdepth	6		SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Υ	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Υ	
Count	Υ		NodeRole	SEGMENT		SigLevel	0.2	
CreateSample	DEFAULT		NodeSample	20000		SplitPrecision	4	
Criterion	DEFAULT		NominalCriterion	PROBCHISQ		Splitsize		
Depth	Y		Nrules	5		Subtree	ASSESSMENT	
Dummy	N		Nsurrs	0		Target	ALL	
Exhaustive	5000		NumInputs	1		ToolType	MODEL	
Freeze	N		NumSingleImp	5		TrainMode	BATCH	
ImportModel	N		ObsImportance	N		UseDecision	N	
ImportedTreeData			OrdinalCriterion	ENTROPY		UseMultipleTarget	N	
Inputs	N		PercentCorrect	N		UsePriors	N	
IntColorBy	AVG		Performance	DISK		UseVarOnce	N	
IntervalCriterion	PROBF		Precision	4		VarSelection	Υ	

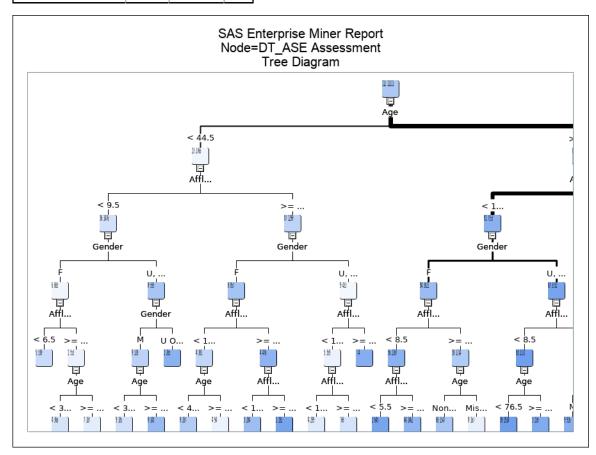
# Node=DT\_ASE Assessment Variable Summary

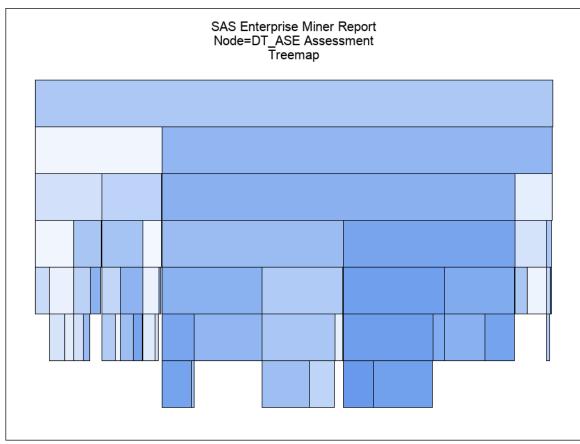
Role	Level	Frequency Count	Name
TARGET	BINARY	1	TargetBuy
INPUT	INTERVAL	4	DemAffl DemAge PromSpend PromTime
INPUT	NOMINAL	5	DemClusterGroup DemGender DemReg DemTVReg PromClass
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ID

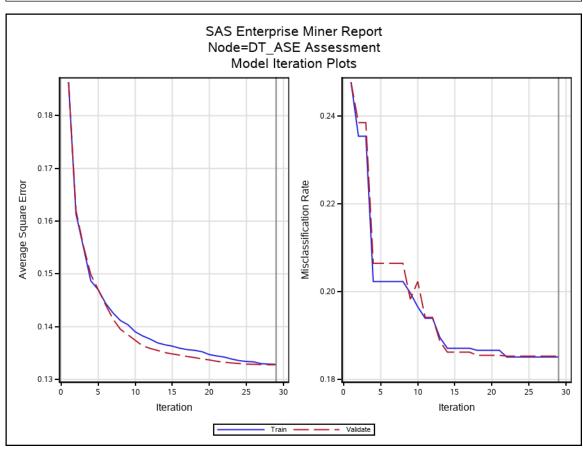
Node=DT\_ASE Assessment Model Fit Statistics

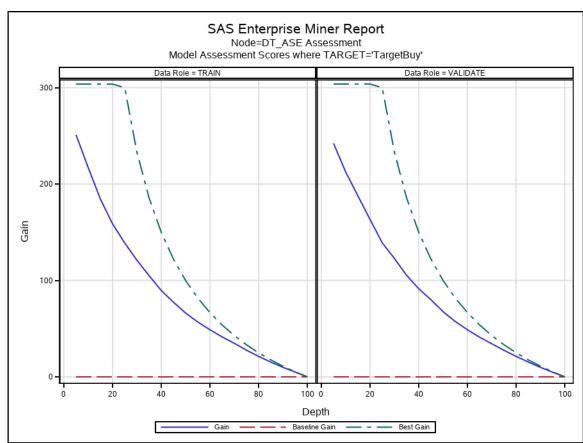
Target=TargetBuy Target Label=Organics Purchase Indicator

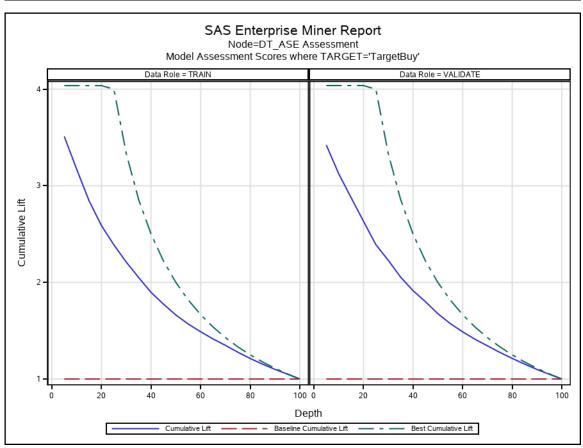
Label of Statistic	Train	Validation	Test
Sum of Frequencies	11112.00	11111.00	
Misclassification Rate	0.19	0.19	
Maximum Absolute Error	0.99	1.00	
Sum of Squared Errors	2952.71	2950.48	
Average Squared Error	0.13	0.13	
Root Average Squared Error	0.36	0.36	
Divisor for ASE	22224.00	22222.00	
Total Degrees of Freedom	11112.00		

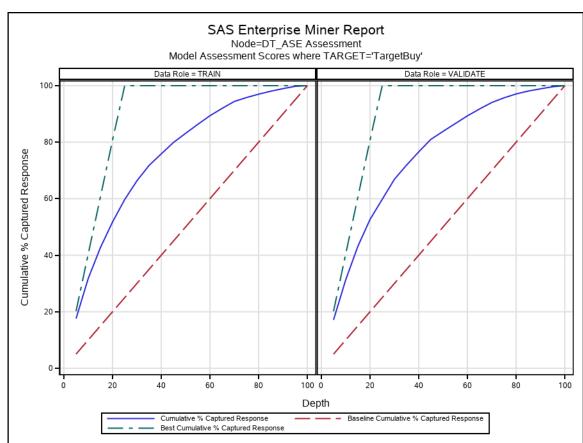


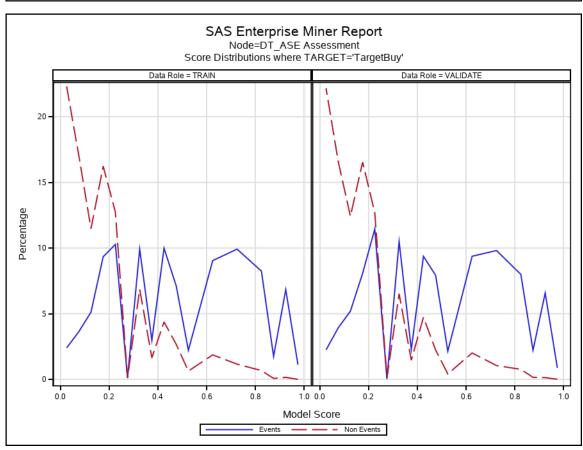


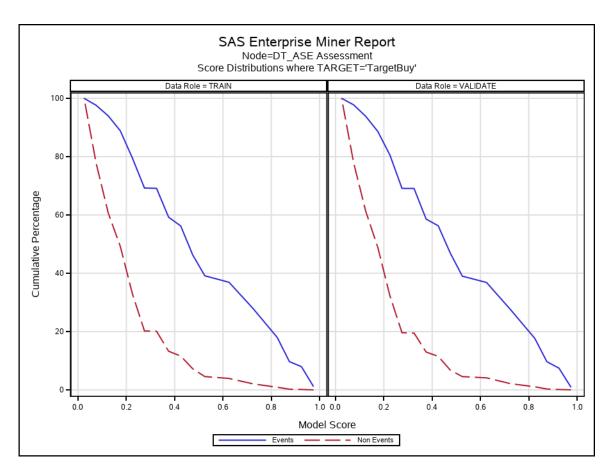












## Node=DT\_ASE Assessment Score Distributions

Target Variable=TargetBuy 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	31	1.1260	0.0000	1.126	0.000
0.90-0.95	188	6.8289	0.1555	7.955	0.156
0.85-0.90	48	1.7436	0.0718	9.699	0.227
0.80-0.85	227	8.2456	0.6699	17.944	0.897
0.70-0.75	273	9.9165	1.1604	27.861	2.058
0.60-0.65	249	9.0447	1.8663	36.905	3.924
0.50-0.55	61	2.2158	0.6340	39.121	4.558
0.45-0.50	196	7.1195	2.6678	46.240	7.226
0.40-0.45	275	9.9891	4.3785	56.230	11.604
0.35-0.40	82	2.9786	1.6390	59.208	13.243
0.30-0.35	273	9.9165	6.8669	69.125	20.110
0.25-0.30	3	0.1090	0.0957	69.234	20.206
0.20-0.25	283	10.2797	12.7527	79.513	32.958
0.15-0.20	257	9.3353	16.2340	88.849	49.192
0.10-0.15	141	5.1217	11.4727	93.970	60.665
0.05-0.10	100	3.6324	17.0355	97.603	77.701
0.00-0.05	66	2.3974	22.2993	100.000	100.000

Target Variable=TargetBuy 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	24	0.8721	0.0120	0.872	0.012
0.90-0.95	181	6.5770	0.1316	7.449	0.144
0.85-0.90	61	2.2166	0.1555	9.666	0.299
0.80-0.85	220	7.9942	0.7656	17.660	1.065
0.70-0.75	270	9.8110	1.0528	27.471	2.117
0.60-0.65	258	9.3750	2.0098	36.846	4.127
0.50-0.55	59	2.1439	0.4187	38.990	4.546
0.45-0.50	218	7.9215	2.2371	46.911	6.783
0.40-0.45	258	9.3750	4.7254	56.286	11.509
0.35-0.40	63	2.2892	1.4595	58.576	12.968
0.30-0.35	289	10.5015	6.5199	69.077	19.488
0.25-0.30	1	0.0363	0.1077	69.113	19.596
0.20-0.25	315	11.4462	12.7049	80.560	32.301
0.15-0.20	222	8.0669	16.5450	88.626	48.846
0.10-0.15	143	5.1962	12.4178	93.823	61.263
0.05-0.10	108	3.9244	16.5809	97.747	77.844
0.00-0.05	62	2.2529	22.1558	100.000	100.000

End of Report