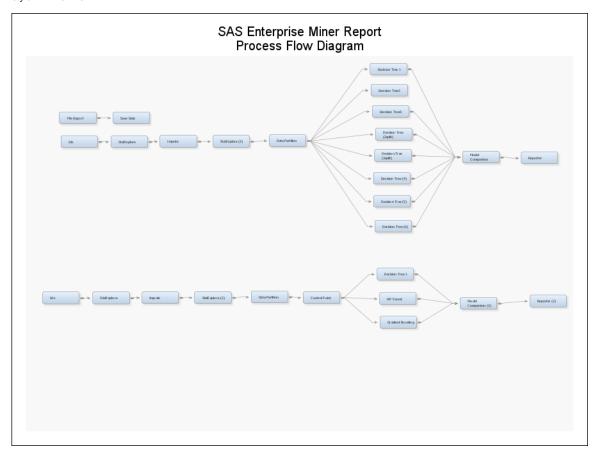
User = u63466161 Date = 07:15:53 08 January 2024 Project = AA1 Diagram = AA1

Start Node = Report2 Node label = Reporter (2) Nodes = PATH Showall = N

Format = PDF Style = LISTING



Node=Ids Summary

Node id = Ids2 Node label = Ids Meta path = Ids2 Notes =

Node=Ids Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	u63466161		NBytes	394240	
ApplyIntervalLevelLowerLimit	Υ		Dsld	emsavetrain		NCols	11	
ApplyMaxClassLevels	Υ		DsModifiedBy	u63466161		NObs	2989	
ApplyMaxPercentMissing	Υ		DsModifyDate	2020186688.9		NewTable		
CMeta	WORK.M1E84V60		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Υ		DsSampleSizeType			Role	RAW	TRAIN
Data	SEMMA.EM_SAVE_TRAIN		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Υ		SampleSizeObs	10000	
DataSource	emsavetrain		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	SEMMA		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Υ		MaxPercentMissing	50		Segment		
DsCreateDate	2020186688.9		MetaAdvisor	BASIC		Table	EM_SAVE_TRAIN	

Node=Ids Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	EM_SAVE_TRAIN	Date Created	06 January 2024 18:41:15	Data Size	394240
Data Type	DATA	Date Modified	06 January 2024 18:41:15	Role	RAW
Data Label		Number Rows	2989	Segment	
Engine	V9	Number Columns	11	Data Library	SEMMA

Node=Ids Variables List

Name	Label	Role	Level	Туре	Length	Format	Creator
Age		INPUT	INTERVAL	N	8	BEST12.0	
Churn		TARGET	INTERVAL	N	8	BEST12.0	
CustomerID		ID	INTERVAL	N	8	BEST12.0	
FavoriteCategory		INPUT	NOMINAL	С	11	\$11.	
Gender		INPUT	NOMINAL	С	6	\$6.	
LastPurchaseDate		INPUT	INTERVAL	N	8	YYMMDD10.0	
Location		INPUT	NOMINAL	С	13	\$13.	
MembershipLevel		INPUT	NOMINAL	С	8	\$8.	
Occupation		INPUT	NOMINAL	С	11	\$11.	
TotalPurchases		INPUT	INTERVAL	N	8	BEST12.0	
TotalSpent		INPUT	INTERVAL	N	8	BEST12.0	

Node=StatExplore Summary

Node id = Stat3 Node label = StatExplore Meta path = lds2 => Stat3 Notes =

Node=StatExplore Properties

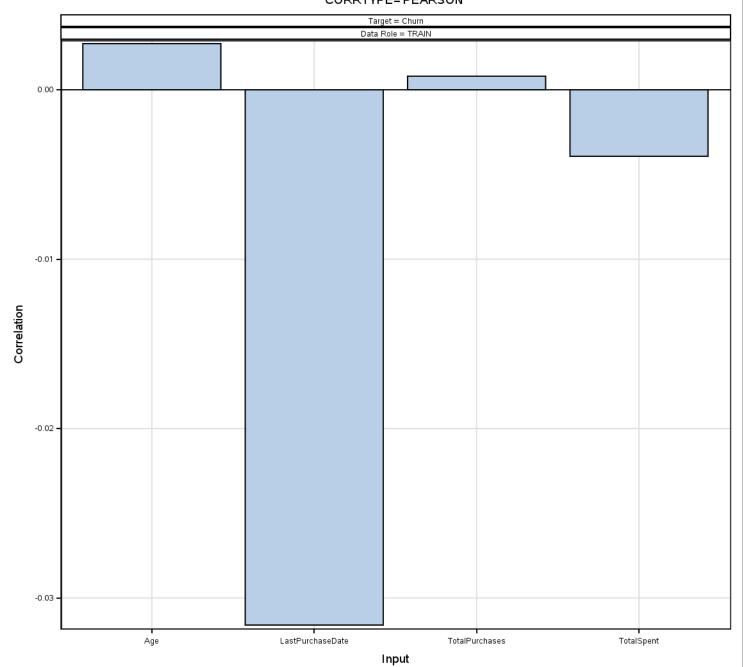
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	StatExplore		Correlation	Υ		NObs	100000	1000000
BySegment	N	Υ	DropRejected	Υ		Pearson	Υ	
ChiSquare	Υ		HideVariable	Υ		Spearman	N	
ChiSquareInterval	Υ	N	IntervalDistribution	Υ		UseScore	N	
ChiSquareIntervalNBins	5		LevelSummary	Υ		UseTest	N	
ClassDistribution	Υ		MaximumVars	1000		UseValidate	N	

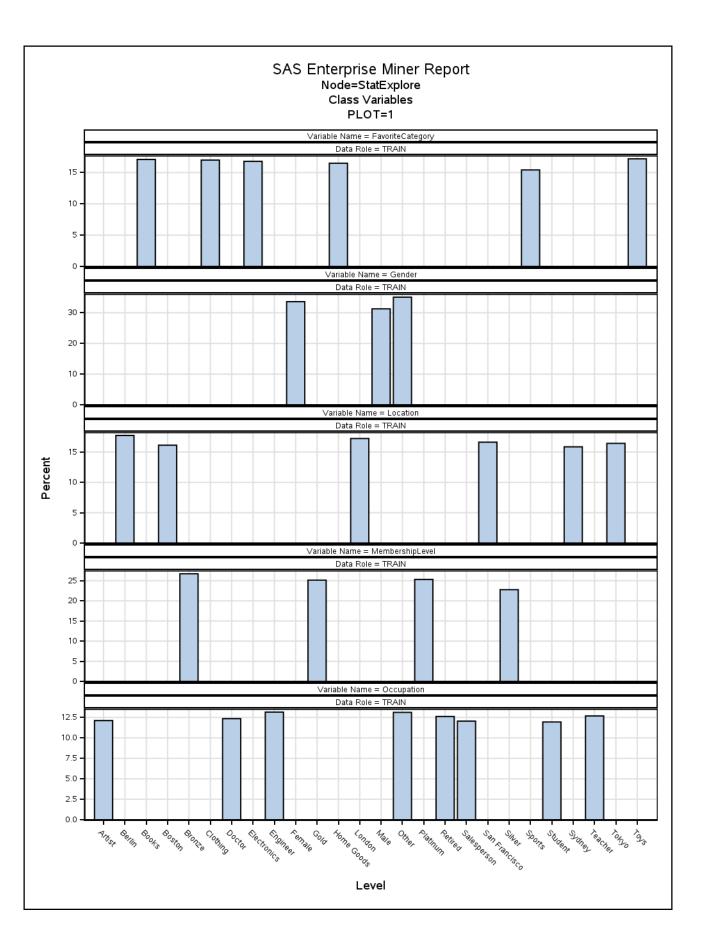
Node=StatExplore Variable Summary

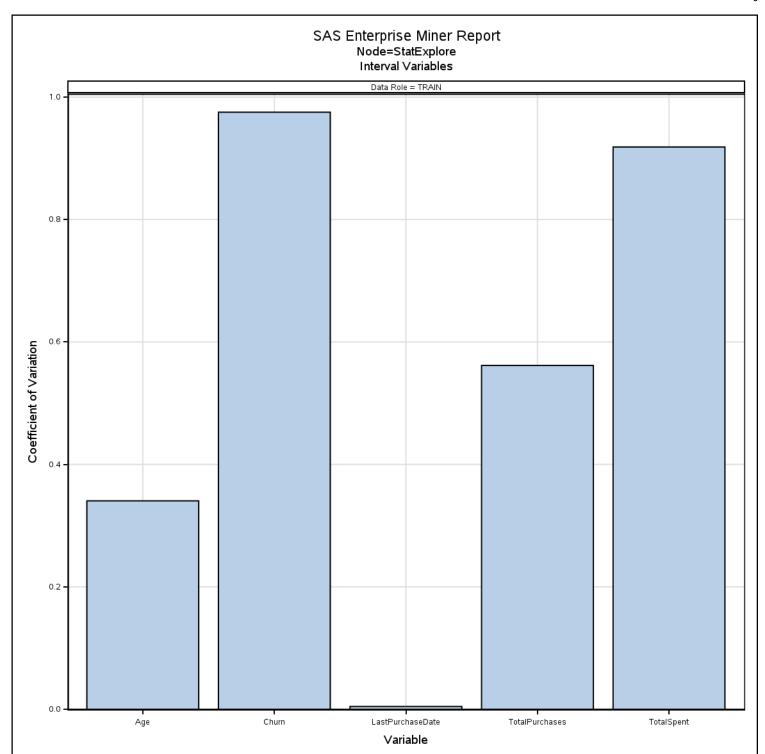
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Age LastPurchaseDate TotalPurchases TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation

Target	Variable	Importance	Worth	Analysis Variable	Label	plot
Churn	TotalSpent	1	.001732582	1	TotalSpent	
Churn	LastPurchaseDate	2	.001642663	1	LastPurchaseDate	
Churn	TotalPurchases	3	.001524903	1	TotalPurchases	
Churn	Age	4	.001379986	1	Age	
Churn	FavoriteCategory	5	.000723734	1	FavoriteCategory	
Churn	Location	6	.000432581	1	Location	
Churn	Gender	7	.000364081	1	Gender	
Churn	MembershipLevel	8	.000196550	1	MembershipLevel	
Churn	Occupation	9	.000160322	1	Occupation	









Node=Impute Summary

Node id = Impt2 Node label = Impute Meta path = Ids2 => Stat3 => Impt2 Notes =

Node=Impute Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Impute		IndicatorRole	INPUT	REJECTED	MinCatSize	5	
ABWTuning	9		IndicatorSource	IMPUTED		Normalize	Υ	
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	COUNT		SpacingProportion	90	
HideVariable	Υ		MethodInterval	MEAN		Splitsize		
ImputeNoMissing	N		MethodTargetClass	NONE		ValidateTestMissing	N	
Indicator	UNIQUE	NONE	MethodTargetInterval	NONE				

Node=Impute Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Age LastPurchaseDate TotalPurchases TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation

Node=Impute Imputation Summary

Variable Name	Impute Method	Imputed Variable	Indicator Variable	Impute Value	Role	Measurement Level	Label	Number of Missing for TRAIN
Age	MEAN	IMP_Age	M_Age	43.3811	INPUT	INTERVAL		8
TotalPurchases	MEAN	IMP_TotalPurchases	M_TotalPurchases	50.1017	INPUT	INTERVAL		9

Node=StatExplore (2) Summary

Node id = Stat4 Node label = StatExplore (2) Meta path = Ids2 => Stat3 => Impt2 => Stat4 Notes =

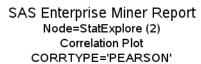
Node=StatExplore (2) Properties

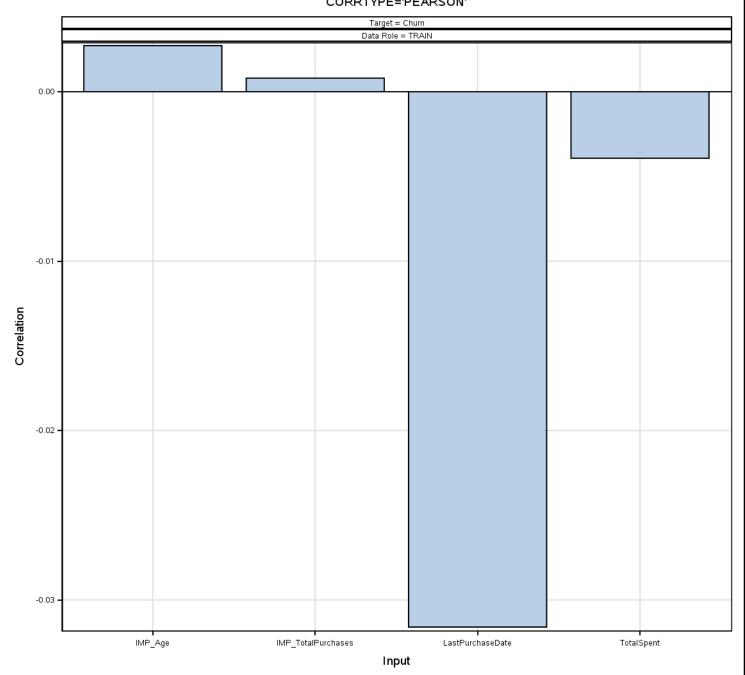
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	StatExplore		Correlation	Υ		NObs	100000	1000000
BySegment	N	Υ	DropRejected	Υ		Pearson	Υ	
ChiSquare	Υ		HideVariable	Υ		Spearman	N	
ChiSquareInterval	N		IntervalDistribution	Υ		UseScore	N	
ChiSquareIntervalNBins	5		LevelSummary	Υ		UseTest	N	
ClassDistribution	Υ		MaximumVars	1000		UseValidate	N	

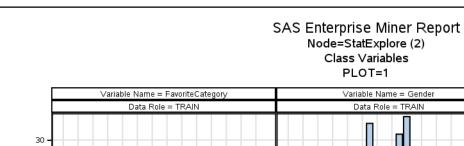
Node=StatExplore (2) Variable Summary

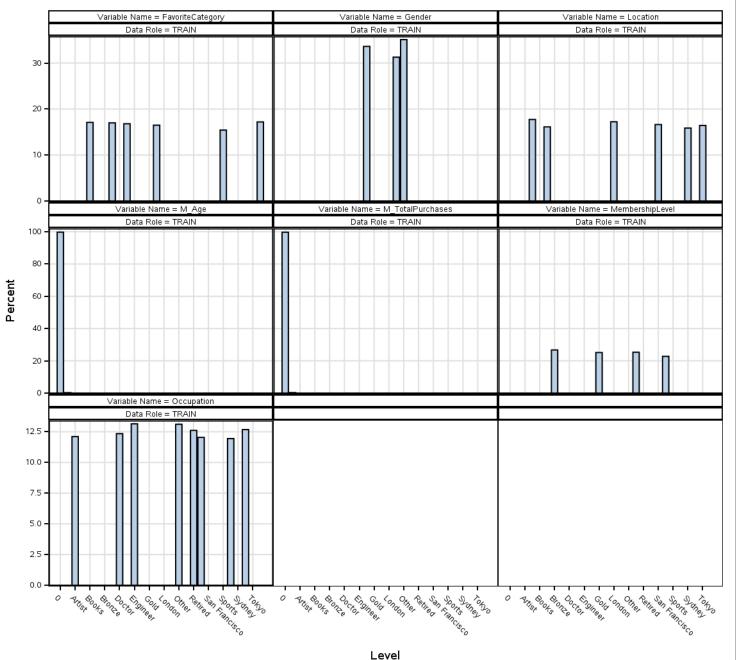
Role	Level	Frequency Count	Name
INPUT	BINARY	2	M_Age M_TotalPurchases
INPUT	INTERVAL	4	IMP_Age IMP_TotalPurchases LastPurchaseDate TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation

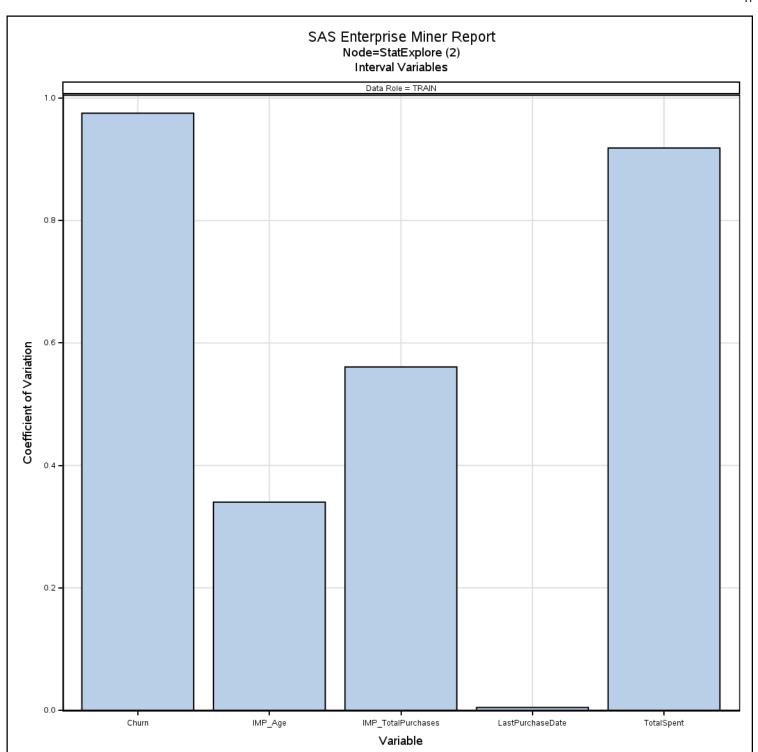
Target	Variable	Importance	Worth	Analysis Variable	Label	plot
Churn	TotalSpent	1	.001732582	1	TotalSpent	
Churn	LastPurchaseDate	2	.001642663	1	LastPurchaseDate	
Churn	IMP_TotalPurchases	3	.001513789	1	Imputed TotalPurchases	
Churn	IMP_Age	4	.001255145	1	Imputed Age	
Churn	FavoriteCategory	5	.000723734	1	FavoriteCategory	
Churn	Location	6	.000432581	1	Location	
Churn	Gender	7	.000364081	1	Gender	
Churn	MembershipLevel	8	.000196550	1	MembershipLevel	
Churn	M_Age	9	.000184986	1	Imputation Indicator for Age	
Churn	Occupation	10	.000160322	1	Occupation	
Churn	M_TotalPurchases	11	.000014007	1	Imputation Indicator for TotalPurchases	











Node=Data Partition Summary

Node id = Part2 Node label = Data Partition Meta path = lds2 => Stat3 => Impt2 => Stat4 => Part2 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	70	40
IntervalDistribution	Υ		RandomSeed	12345		ValidatePct	30	

Node=Data Partition Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Churn
INPUT	BINARY	2	M_Age M_TotalPurchases
INPUT	INTERVAL	4	IMP_Age IMP_TotalPurchases LastPurchaseDate TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation
ID	INTERVAL	1	CustomerID

Node=Decision Tree 1 Summary

Node id = Tree9 Node label = Decision Tree 1 Meta path = Ids2 => Stat3 => Impt2 => Stat4 => Part2 => Tree9 Notes =

Node=Decision Tree 1 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	ВАТСН	
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=Decision Tree 1 Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Churn
INPUT	BINARY	2	M_Age M_TotalPurchases
INPUT	INTERVAL	4	IMP_Age IMP_TotalPurchases LastPurchaseDate TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation
ID	INTERVAL	2	CustomerID _dataobs_

Node=Decision Tree 1 Model Fit Statistics

Target=Churn Target Label=' '

Label of Statistic	Train	Validation	Test
Sum of Frequencies	2092.00	897.000	
Maximum Absolute Error	0.52	0.516	
Sum of Squared Errors	522.45	224.373	
Average Squared Error	0.25	0.250	
Root Average Squared Error	0.50	0.500	

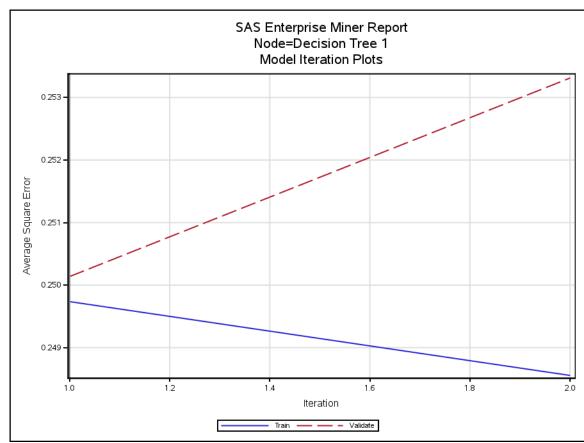
Target=Churn Target Label=' '

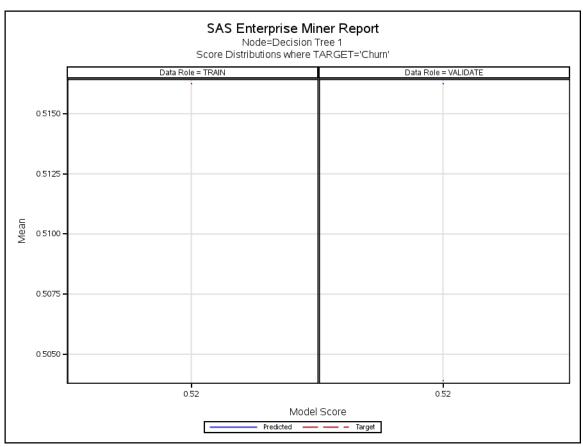
Label of Statistic	Train	Validation	Test
Divisor for ASE	2092.00	897.000	
Total Degrees of Freedom	2092.00		

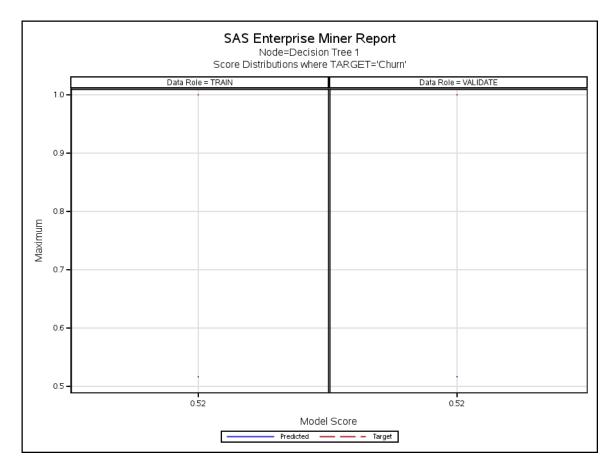
SAS Enterprise Miner Report Node=Decision Tree 1 Tree Diagram

N: 2092 897

SAS Enterprise Miner Report Node=Decision Tree 1 Treemap







Node=Decision Tree 1 Score Distributions

Target Variable=Churn Data Role=TRAIN

	Range for	Mean	Max	Min	Mean	Max	Min
	Predicted	Predicted	Predicted	Predicted	Target	Target	Target
ſ	0.516 - 0.516	0.51625	0.51625	0.51625	0.51625	1	0

Range for	Mean	Max	Min	Mean	Max	Min
Predicted	Predicted	Predicted	Predicted	Target	Target	Target
0.516 - 0.516	0.51625	0.51625	0.51625	0.50390	1	0

Node=HP Forest Summary

Node id = HPDMForest Node label = HP Forest Meta path = Ids2 => Stat3 => Impt2 => Stat4 => Part2 => HPDMForest Notes =

Node=HP Forest Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	HPDMForest		MAXTREES	100		SEED	12345	
ALPHA	0.05		MINCATSIZE	5		SPLITSIZE		
CATBINS	30		MINUSEINSEARCH	1		TRAINFRACTION	0.6	
EXHAUSTIVE	5000		MISSING	USEINSEARCH		TRAINN		
LEAFFRACTION	0.00001		MODELING	Υ		ToolType	MODEL	
LEAFSIZE	1		NUMOBSMETHOD	PERCENTAGE		VARSELECT	Υ	
LEAFSIZEMETHOD	DEFAULT		RBACUT	0.01		VARS_TO_TRY		
MAXDEPTH	50		RBATOPNUM	25		VIMETHOD	LOSSREDUCTION	

Node=HP Forest Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Churn
INPUT	BINARY	2	M_Age M_TotalPurchases
INPUT	INTERVAL	4	IMP_Age IMP_TotalPurchases LastPurchaseDate TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation
ID	INTERVAL	2	CustomerID _dataobs_

Node=HP Forest Model Fit Statistics

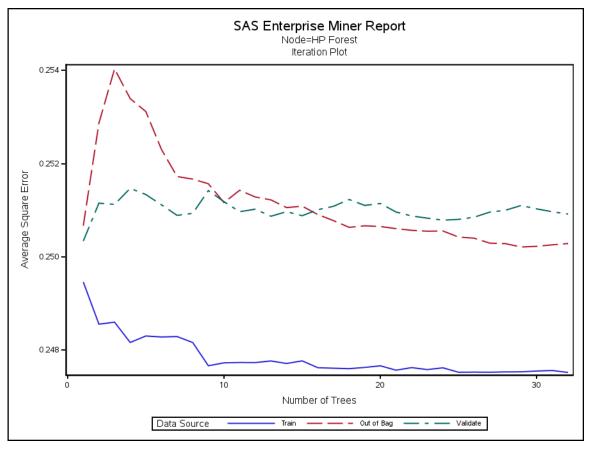
Target=Churn Target Label=' '

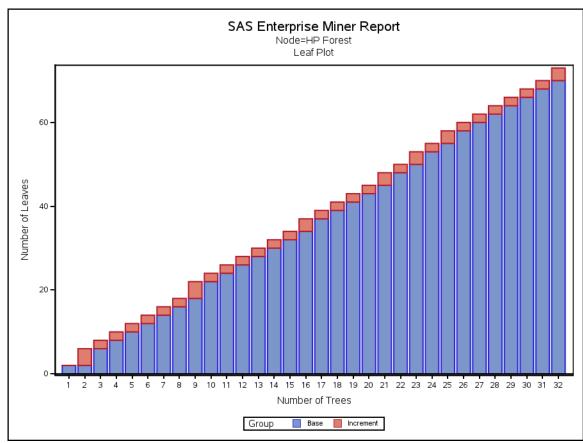
Label of Statistic	Train	Validation	Test
Average Squared Error	0.25	0.251	
Divisor for ASE	2092.00	897.000	
Maximum Absolute Error	0.55	0.562	
Sum of Frequencies	2092.00	897.000	
Root Average Squared Error	0.50	0.501	
Sum of Squared Errors	517.81	225.073	

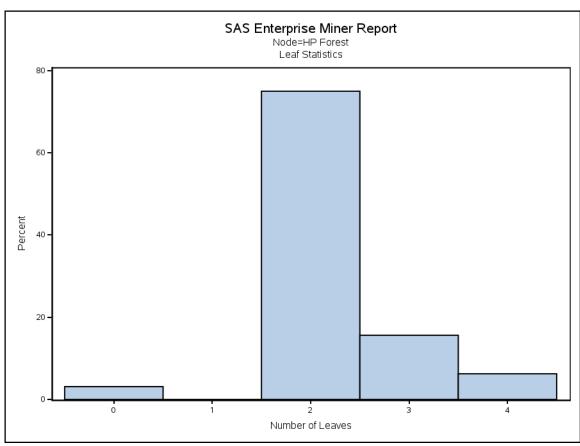
Node=HP Forest Iteration History

Number of Trees	Number of Leaves	Average Square Error (Train)	Average Square Error (Out of Bag)	Average Square Error (Validate)
1	2	0.24946	0.25067	0.25034
2	6	0.24856	0.25287	0.25115
3	8	0.24860	0.25403	0.25112
4	10	0.24816	0.25339	0.25147
5	12	0.24830	0.25312	0.25134

Number of Trees	Number of Leaves	Average Square Error (Train)	Average Square Error (Out of Bag)	Average Square Error (Validate)
6	14	0.24828	0.25230	0.25111
7	16	0.24829	0.25172	0.25089
8	18	0.24816	0.25167	0.25093
9	22	0.24766	0.25157	0.25142
10	24	0.24773	0.25116	0.25118
11	26	0.24773	0.25143	0.25097
12	28	0.24773	0.25128	0.25102
13	30	0.24777	0.25122	0.25087
14	32	0.24771	0.25106	0.25097
15	34	0.24777	0.25109	0.25088
16	37	0.24762	0.25091	0.25101
17	39	0.24761	0.25078	0.25108
18	41	0.24760	0.25063	0.25123
19	43	0.24763	0.25066	0.25110
20	45	0.24766	0.25065	0.25114
21	48	0.24757	0.25060	0.25096
22	50	0.24762	0.25057	0.25088
23	53	0.24758	0.25055	0.25083
24	55	0.24762	0.25055	0.25079
25	58	0.24752	0.25042	0.25080
26	60	0.24753	0.25040	0.25085
27	62	0.24752	0.25029	0.25096
28	64	0.24753	0.25028	0.25100
29	66	0.24753	0.25021	0.25110
30	68	0.24755	0.25023	0.25103
31	70	0.24756	0.25026	0.25097
32	73	0.24752	0.25028	0.25092

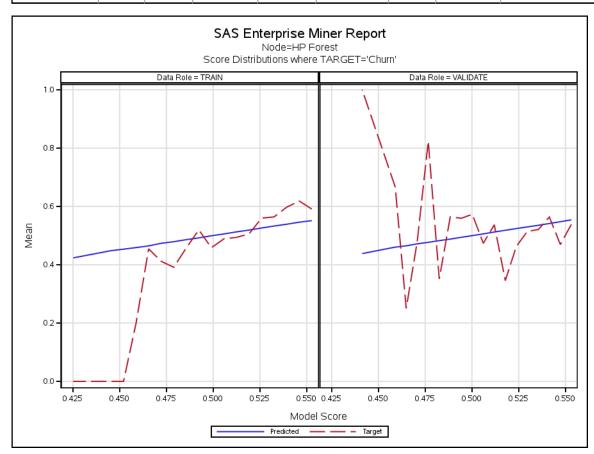


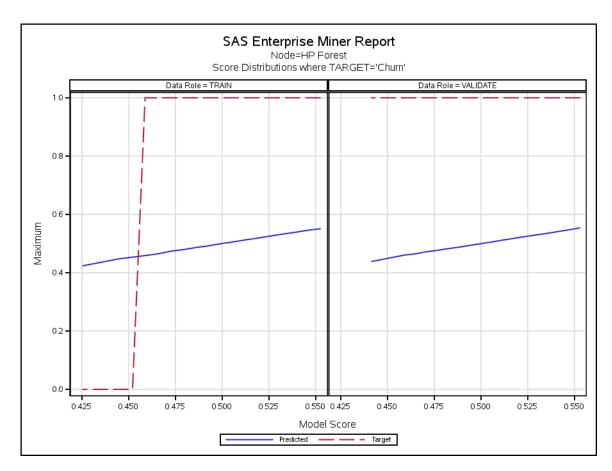




Node=HP Forest Variable Importance

Variable Name	Number of Splitting Rules	Train: Mean Square Error	Train: Absolute Error	OOB: Mean Square Error	OOB: Absolute Error	Valid: Mean Square Error	Valid: Absolute Error	Label
Location	15	0.000987	0.001974	-0.00061	0.000376	-0.00183	-0.000842	
FavoriteCategory	10	0.000640	0.001280	-0.00087	-0.000230	-0.00024	0.000427	
Gender	5	0.000224	0.000448	-0.00026	-0.000041846	-0.00007	0.000163	
MembershipLevel	4	0.000230	0.000460	-0.00042	-0.000188	-0.00026	-0.000034869	
M_Age	3	0.000098	0.000195	-0.00008	-0.000047531	-0.00005	0.000001492	Imputation Indicator for Age
TotalSpent	2	0.000081	0.000162	-0.00024	-0.000137	-0.00020	-0.000108	
IMP_TotalPurchases	1	0.000029	0.000058975	-0.00007	-0.000038426	-0.00002	0.000013446	Imputed TotalPurchases
LastPurchaseDate	1	0.000050	0.000099894	0.00001	0.000049239	-0.00001	0.000028808	
IMP_Age	0	0.000000	0	0.00000	0	0.00000	0	Imputed Age
M_TotalPurchases	0	0.000000	0	0.00000	0	0.00000	0	Imputation Indicator for TotalPurchases
Occupation	0	0.000000	0	0.00000	0	0.00000	0	





Node=HP Forest Score Distributions

Target Variable=Churn Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.549 - 0.556	0.55128	0.55611	0.54958	0.59091	1	0
0.543 - 0.549	0.54597	0.54930	0.54285	0.61864	1	0
0.536 - 0.543	0.53898	0.54261	0.53606	0.59740	1	0
0.529 - 0.536	0.53285	0.53586	0.52929	0.56420	1	0
0.523 - 0.529	0.52612	0.52920	0.52260	0.55981	1	0
0.516 - 0.523	0.51893	0.52230	0.51596	0.50588	1	0
0.509 - 0.516	0.51273	0.51563	0.50919	0.49390	1	0
0.502 - 0.509	0.50567	0.50889	0.50266	0.48901	1	0
0.496 - 0.502	0.49941	0.50238	0.49596	0.45833	1	0
0.489 - 0.496	0.49205	0.49544	0.48901	0.51948	1	0
0.482 - 0.489	0.48605	0.48897	0.48231	0.45783	1	0
0.476 - 0.482	0.47903	0.48221	0.47597	0.39130	1	0
0.469 - 0.476	0.47357	0.47551	0.46888	0.41176	1	0
0.462 - 0.469	0.46465	0.46791	0.46222	0.45455	1	0
0.455 - 0.462	0.45885	0.46104	0.45584	0.20000	1	0
0.449 - 0.455	0.45341	0.45438	0.45245	0.00000	0	0
0.442 - 0.449	0.44832	0.44832	0.44832	0.00000	0	0
0.422 - 0.429	0.42361	0.42537	0.42184	0.00000	0	0

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.550 - 0.556	0.55405	0.55611	0.55076	0.53846	1	0
0.544 - 0.550	0.54758	0.55013	0.54453	0.46939	1	0
0.538 - 0.544	0.54149	0.54424	0.53869	0.56364	1	0
0.533 - 0.538	0.53531	0.53834	0.53272	0.52083	1	0
0.527 - 0.533	0.52975	0.53254	0.52679	0.51429	1	0
0.521 - 0.527	0.52415	0.52601	0.52129	0.46269	1	0

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.515 - 0.521	0.51817	0.52077	0.51512	0.34568	1	0
0.509 - 0.515	0.51228	0.51486	0.50919	0.53704	1	0
0.503 - 0.509	0.50581	0.50889	0.50325	0.47368	1	0
0.497 - 0.503	0.49994	0.50266	0.49736	0.57303	1	0
0.491 - 0.497	0.49411	0.49710	0.49170	0.55932	1	0
0.485 - 0.491	0.48797	0.49104	0.48553	0.56452	1	0
0.480 - 0.485	0.48277	0.48531	0.47959	0.35135	1	0
0.474 - 0.480	0.47683	0.47886	0.47404	0.82353	1	0
0.468 - 0.474	0.47186	0.47352	0.46791	0.48000	1	0
0.462 - 0.468	0.46487	0.46686	0.46336	0.25000	1	0
0.456 - 0.462	0.46040	0.46104	0.45912	0.66667	1	0
0.438 - 0.444	0.43834	0.43834	0.43834	1.00000	1	1

Node=Gradient Boosting Summary

Node id = Boost Node label = Gradient Boosting Meta path = Ids2 => Stat3 => Impt2 => Stat4 => Part2 => Boost Notes =

Node=Gradient Boosting Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Boost		MaxBranch	2		Performance	DISK	
AssessMeasure	PROFIT		MaxDepth	2		Precision	0	
CategoricalBins	30		Measure	PROFIT		ReUseVar	1	
CreateHStat	N		MinCatSize	5		Seed	12345	
Exhaustive	5000		Missing	USEINSEARCH		Shrinkage	0.1	
Huber	NO		NSurrs	0		SplitSize		
IntervalBins	100		NodeSize	20000		SubSeries	BEST	
IterationNum	1		NumPairImp	0		ToolType	MODEL	
Iterations	50		NumSingleImp	5		TrainProportion	60	
LeafFraction	0.001		ObsImportance	N		VarSelection	Υ	

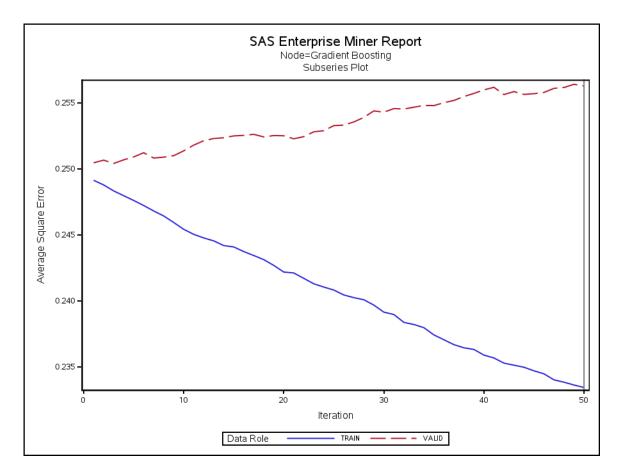
Node=Gradient Boosting Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Churn
INPUT	BINARY	2	M_Age M_TotalPurchases
INPUT	INTERVAL	4	IMP_Age IMP_TotalPurchases LastPurchaseDate TotalSpent
INPUT	NOMINAL	5	FavoriteCategory Gender Location MembershipLevel Occupation
ID	INTERVAL	2	CustomerID _dataobs_

Node=Gradient Boosting Model Fit Statistics

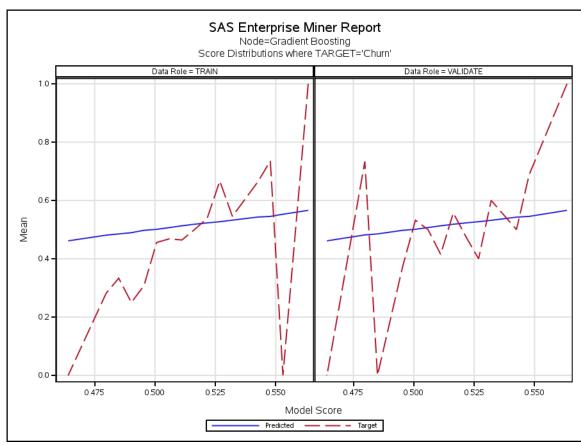
Target=Churn Target Label=' '

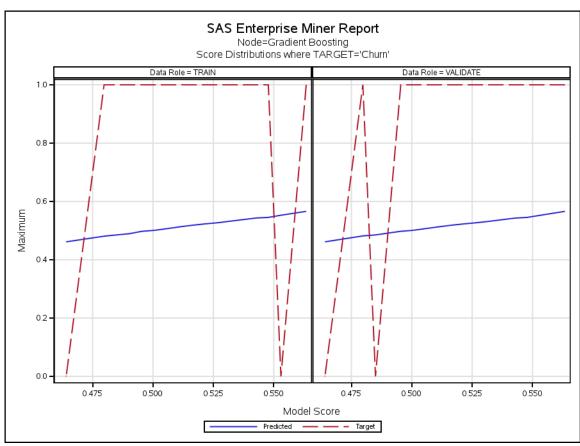
Label of Statistic	Train	Validation	Test
Sum of Frequencies	2092.00	897.000	
Sum of Case Weights Times Freq	2092.00	897.000	
Maximum Absolute Error	0.55	0.545	
Sum of Squared Errors	519.53	224.628	
Average Squared Error	0.25	0.250	
Root Average Squared Error	0.50	0.500	
Divisor for ASE	2092.00	897.000	
Total Degrees of Freedom	2092.00		



Node=Gradient Boosting Variable Importance

Variable Name	Label	Number of Splitting Rules	Importance	Validation Importance	Ratio of Validation to Training Importance
LastPurchaseDate		4	1.00000	1	1
Location		2	0.78996	0	0
IMP_TotalPurchases	Imputed TotalPurchases	2	0.78942	0	0
MembershipLevel		1	0.48509	0	0
M_TotalPurchases	Imputation Indicator for TotalPurchases	0	0.00000	0	
IMP_Age	Imputed Age	0	0.00000	0	
M_Age	Imputation Indicator for Age	0	0.00000	0	
FavoriteCategory		0	0.00000	0	
TotalSpent		0	0.00000	0	
Gender		0	0.00000	0	
Occupation		0	0.00000	0	





Node=Gradient Boosting Score Distributions

Target Variable=Churn Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.561 - 0.566	0.56603	0.56603	0.56603	1.00000	1	1
0.550 - 0.556	0.55271	0.55271	0.55271	0.00000	0	0
0.545 - 0.550	0.54524	0.54524	0.54524	0.73529	1	0
0.540 - 0.545	0.54298	0.54423	0.54019	0.66304	1	0
0.529 - 0.535	0.53235	0.53390	0.53004	0.54545	1	0
0.524 - 0.529	0.52700	0.52778	0.52677	0.66667	1	0
0.519 - 0.524	0.52305	0.52344	0.52150	0.53838	1	0
0.514 - 0.519	0.51838	0.51839	0.51446	0.50000	1	0
0.509 - 0.514	0.51301	0.51311	0.50940	0.46429	1	0
0.503 - 0.509	0.50678	0.50818	0.50598	0.46825	1	0
0.498 - 0.503	0.50094	0.50264	0.49970	0.45581	1	0
0.493 - 0.498	0.49759	0.49759	0.49759	0.30769	1	0
0.488 - 0.493	0.48937	0.48937	0.48937	0.25000	1	0
0.482 - 0.488	0.48518	0.48518	0.48518	0.33333	1	0
0.477 - 0.482	0.48081	0.48224	0.47890	0.28125	1	0
0.461 - 0.467	0.46144	0.46144	0.46144	0.00000	0	0

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
0.561 - 0.566	0.56603	0.56603	0.56603	1.00000	1	1
0.545 - 0.550	0.54524	0.54524	0.54524	0.68750	1	0
0.540 - 0.545	0.54263	0.54423	0.54019	0.50000	1	0
0.529 - 0.535	0.53181	0.53390	0.53004	0.60000	1	0
0.524 - 0.529	0.52705	0.52778	0.52686	0.40000	1	0
0.519 - 0.524	0.52303	0.52344	0.52150	0.47564	1	0
0.514 - 0.519	0.51839	0.51839	0.51839	0.55696	1	0
0.509 - 0.514	0.51297	0.51311	0.50940	0.41509	1	0
0.503 - 0.509	0.50707	0.50818	0.50598	0.50000	1	0
0.498 - 0.503	0.50105	0.50264	0.49970	0.53211	1	0
0.493 - 0.498	0.49759	0.49759	0.49759	0.37500	1	0
0.482 - 0.488	0.48518	0.48518	0.48518	0.00000	0	0
0.477 - 0.482	0.48174	0.48224	0.47890	0.73333	1	0
0.461 - 0.467	0.46144	0.46144	0.46144	0.00000	0	0

Node=Model Comparison (2) Summary

Node id = MdlComp2 Node label = Model Comparison (2) Meta path = lds2 => Stat3 => Impt2 => Stat4 => Part2 => Tree9 => MdlComp2 Notes =

Node=Model Comparison (2) Properties

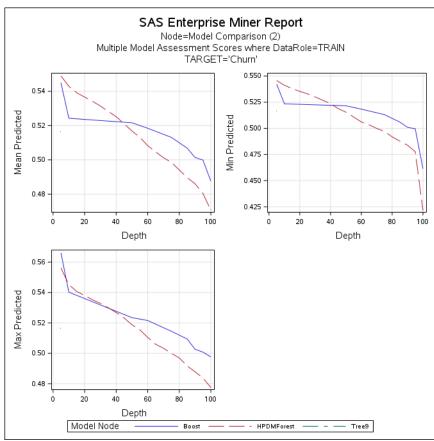
Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	ModelCompare		NumberOfReportedLevels	1E-6		SelectionData	DEFAULT	
AssessAllTargetLevels	N		NumberofBins	20		SelectionDepth	10	
DecileBin	20		ProfitEpsilon	1E-6		SelectionTable	TRAIN	TABLE
HPCriteria	DEFAULT		RecomputeAssess	N		StatisticUsed	_VASE_	
LiftEpsilon	1E-6		RocChart	Υ		TargetLabel		
ModelCriteria	Valid: Average Squared Error		RocEpsilon	0.01		TargetName	Churn	
ModelDescription	Decision Tree 1		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
Modelid	Tree9		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Υ		SelectionCriteria	DEFAULT				

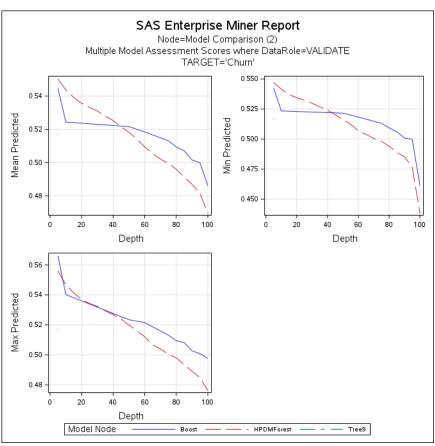
Node=Model Comparison (2) Variable Summary

Role	Level	Frequency Count	Name	
TARGET	INTERVAL	1	Churn	

Node=Model Comparison (2) Fit Statistics Table

	Selected Model	Predecessor Node	Model Node	Model Description	Target Variable	Target Label	Selection Criterion: Valid: Average Squared Error	Train: Average Squared Error
Ī	Υ	Tree9	Tree9	Decision Tree 1	Churn		0.25014	0.24974
		Boost	Boost	Gradient Boosting	Churn		0.25042	0.24834
		HPDMForest	HPDMForest	HP Forest	Churn		0.25092	0.24752





End of Report