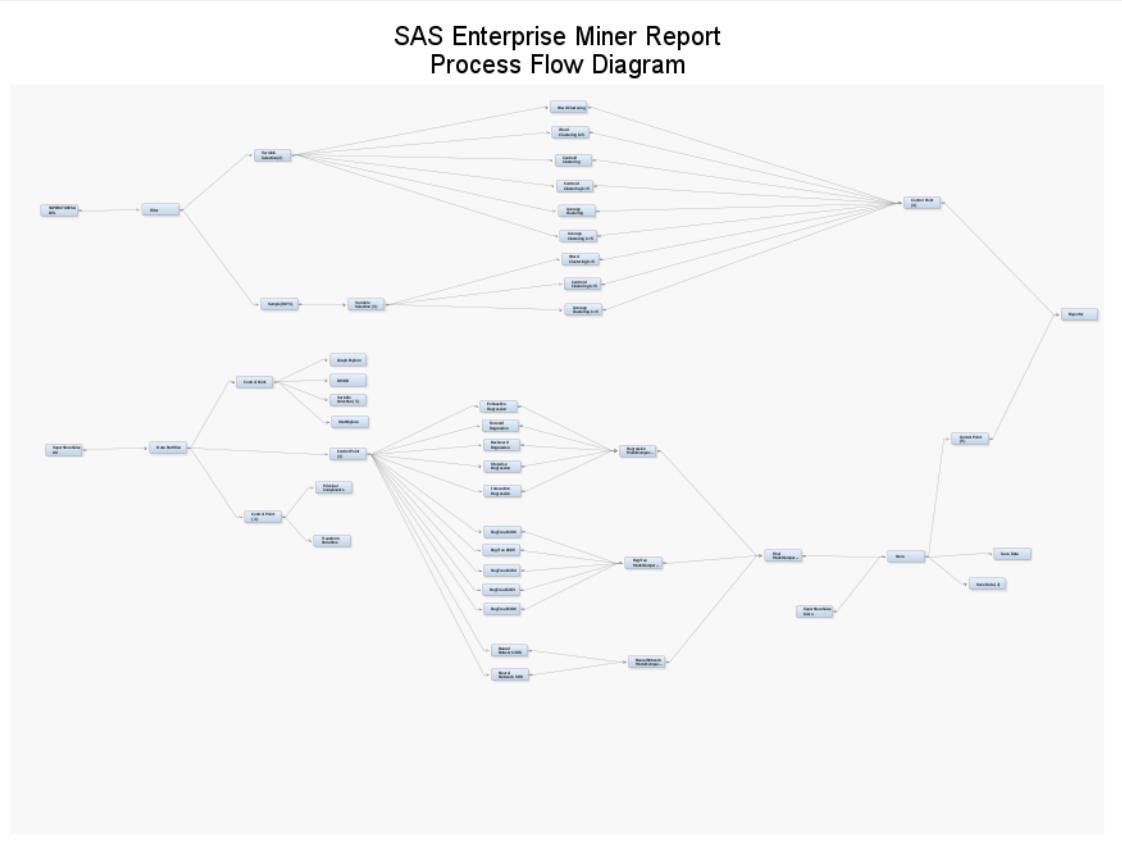


SAS Enterprise Miner Report

User = Avydu2
Date = 15:02:39 March 11
Project = DataWarriors.DM Project
Diagram = Analysis

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

Format = PDF
Style = STATISTICAL



SAS Enterprise Miner Report

Node=SuperStoreSales80 Summary

Node id = lds2
 Node label = SuperStoreSales80
 Meta path = lds2
 Notes =

Node=SuperStoreSales80 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	Avydu2		NBytes	3146752	.
ApplyIntervalLevelLowerLimit	Y		DsId	superstoresalesdata		NCols	22	.
ApplyMaxClassLevels	Y		DsModifiedBy	Avydu2		NObs	7995	.
ApplyMaxPercentMissing	Y		DsModifyDate	1993554824.4		NewTable		
CMeta	WORK.M3W6TO5W		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Y		DsSampleSizeType			Role	RAW	TRAIN
Data	DWDATA.SALESDATA_TRAIN		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Y		SampleSizeObs	10000	
DataSource	superstoresalesdata		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	DWDATA		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Y		MaxPercentMissing	50		Segment		
DsCreateDate	1993553421.7		MetaAdvisor	BASIC		Table	SALESDATA_TRAIN	

Node=SuperStoreSales80 Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	SALESDATA_TRAIN	Date Created	04Mar2023:12:45:45	Data Size	3146752
Data Type	DATA	Date Modified	04Mar2023:12:45:45	Role	RAW
Data Label		Number Rows	7995	Segment	
Engine	BASE	Number Columns	22	Data Library	DWDATA

Node=SuperStoreSales80 Variables List

Name	Label	Role	Level	Type	Length	Format	Creator
Category	Category	INPUT	NOMINAL	C	15	\$15.	
City	City	INPUT	NOMINAL	C	17	\$17.	
Country	Country	INPUT	NOMINAL	C	13	\$13.	
Customer_ID		ID	NOMINAL	C	11		
Customer_Name		INPUT	NOMINAL	C	22		
Discount	Discount	INPUT	INTERVAL	N	8	BEST11.0	
Order_Date		INPUT	INTERVAL	N	8		
Order_ID		ID	NOMINAL	C	18		
Postal_Code		INPUT	NOMINAL	C	14		
Product_ID		ID	NOMINAL	C	15		
Product_Name		TEXT	NOMINAL	C	127		
Profit	Profit	INPUT	INTERVAL	N	8	BEST11.0	
Quantity	Quantity	INPUT	INTERVAL	N	8	BEST11.0	
Region	Region	INPUT	NOMINAL	C	11	\$11.	
Row_ID		ID	NOMINAL	N	8		
Sales	Sales	TARGET	INTERVAL	N	8	BEST11.0	
Segment	Segment	SEGMENT	NOMINAL	C	11	\$11.	
Ship_Date		INPUT	INTERVAL	N	8		
Ship_Mode		INPUT	NOMINAL	C	14		
State	State	INPUT	NOMINAL	C	20	\$20.	
Sub_Category		INPUT	NOMINAL	C	11		
dataobs	Observation Number	INPUT	INTERVAL	N	8		

SAS Enterprise Miner Report

Node=Data Partition Summary

Node id = Part
 Node label = Data Partition
 Meta path = lds2 => Part
 Notes =

Node=Data Partition Properties

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

Node=Data Partition Variable Summary

Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment
INPUT	INTERVAL	6	Discount Order_Date Profit Quantity Ship_Date _dataobs_
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

SAS Enterprise Miner Report

Node=Neural Network 5HU Summary

Node id = Neural2
 Node label = Neural Network 5HU
 Meta path = lds2 => Part => Neural2
 Notes =

Node=Neural Network 5HU Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	NeuralNetwork		Hidden	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	N		ModelSelectionCriterion	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 5HU Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

Node=Neural Network 5HU Model Fit Statistics

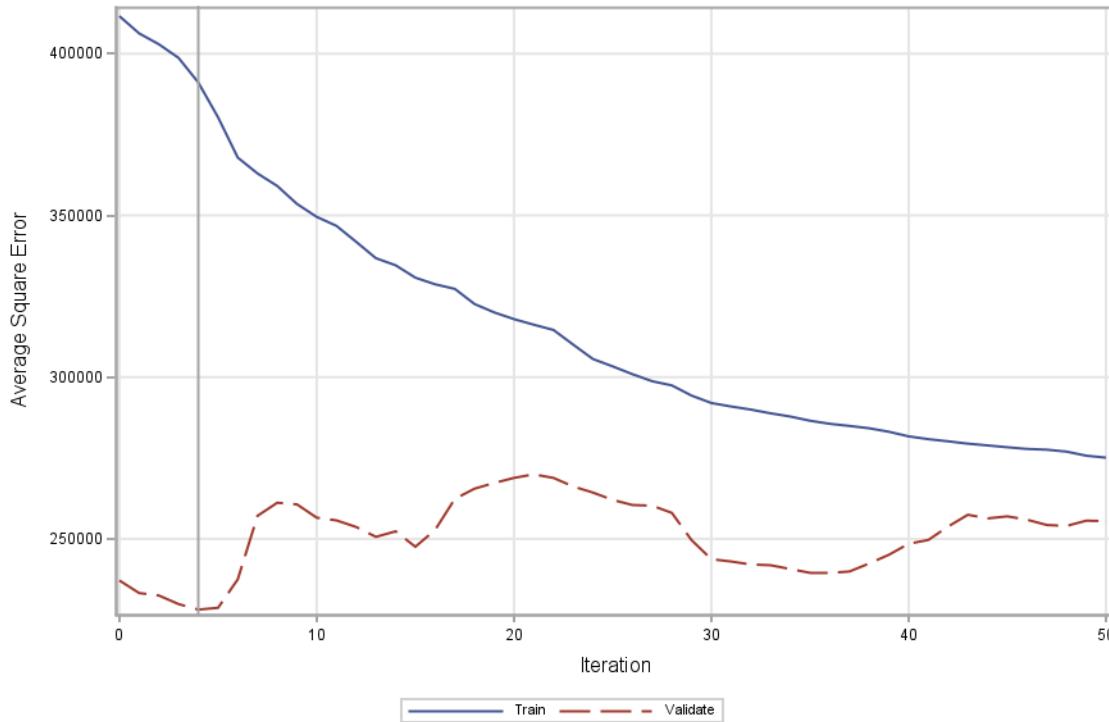
Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Total Degrees of Freedom	3198.00		
Degrees of Freedom for Error	-2053.00	.	.
Model Degrees of Freedom	5251.00	.	.
Number of Estimated Weights	5251.00	.	.
Average Squared Error	391083.83	228144.37	175169.27
Maximum Absolute Error	23874.28	10417.75	8987.99
Divisor for ASE	3198.00	2399.00	2398.00
Sum of Frequencies	3198.00	2399.00	2398.00
Root Average Squared Error	625.37	477.64	418.53
Sum of Squared Errors	1250686095.12	547318341.31	420055905.61
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00
Average Error Function	391083.83	228144.37	175169.27
Error Function	1250686095.12	547318341.31	420055905.61

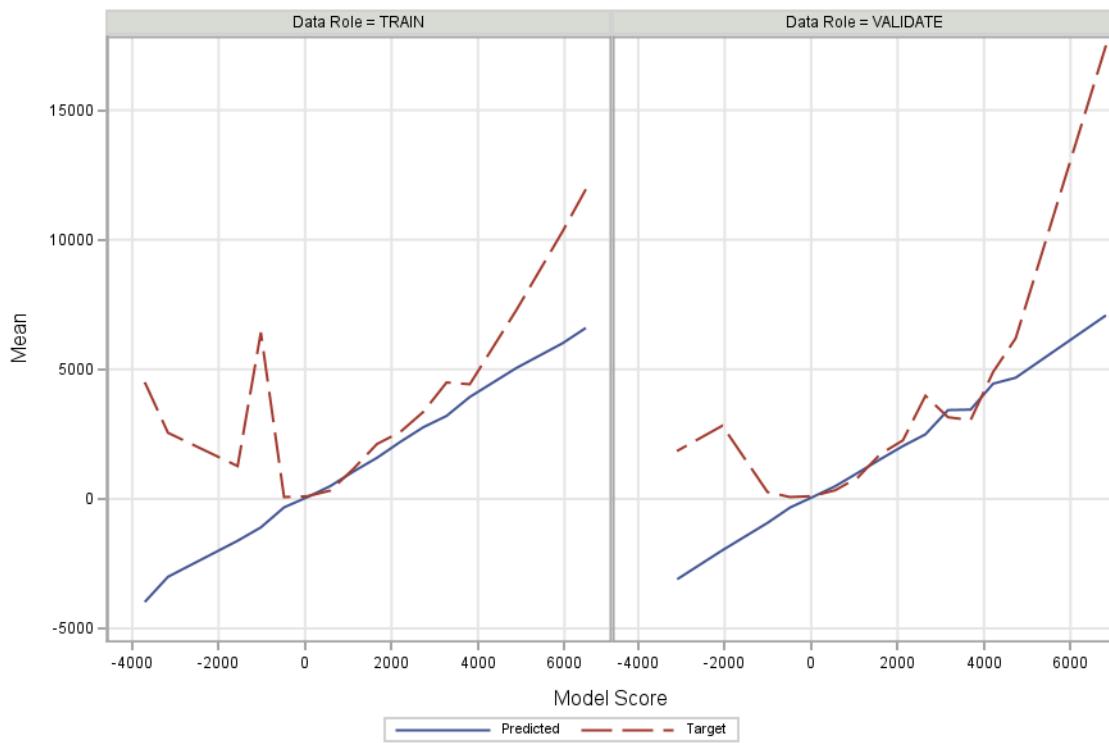
SAS Enterprise Miner Report
Node=Neural Network 5HU
Model Iteration Plots

5

SAS Enterprise Miner Report
Node=Neural Network 5HU
Model Iteration Plots



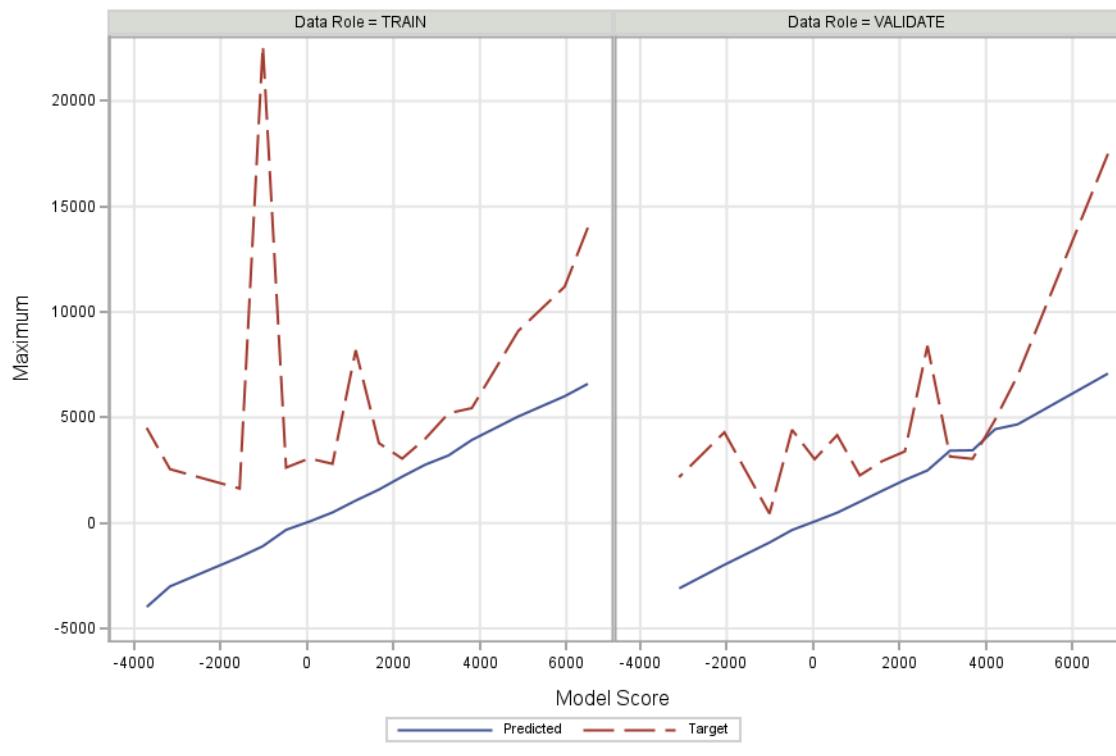
SAS Enterprise Miner Report
Node=Neural Network 5HU
Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report

Node=Neural Network 5HU

Score Distributions where TARGET='Sales'



Node=Neural Network 5HU

Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6226.504 - 6763.629	6596.42	6763.63	6429.22	11946.35	13999.96	9892.74
5689.380 - 6226.504	6006.94	6179.10	5834.78	10324.96	11199.97	9449.95
4615.131 - 5152.255	5046.67	5102.60	4936.94	7276.19	9099.93	4899.93
3540.882 - 4078.006	3932.34	3959.22	3905.47	4424.23	5443.96	3404.50
3003.757 - 3540.882	3201.83	3283.73	3030.21	4491.66	5199.96	3812.97
2466.633 - 3003.757	2765.38	2998.22	2532.54	3357.94	3999.95	2715.93
1929.508 - 2466.633	2195.15	2330.85	1974.49	2576.01	3050.38	1805.88
1392.384 - 1929.508	1583.55	1897.68	1401.12	2116.22	3785.29	396.00
855.259 - 1392.384	1060.64	1381.89	856.61	1169.11	8187.65	83.90
318.135 - 855.259	498.71	853.29	318.24	322.89	2803.92	2.69
-218.990 - 318.135	65.29	317.93	-218.69	101.22	3059.98	0.44
-756.114 - -218.990	-326.92	-219.14	-738.39	69.51	2624.99	1.41
-1293.239 - -756.114	-1100.10	-874.21	-1245.41	6423.92	22638.48	341.96
-1830.363 - -1293.239	-1615.72	-1445.20	-1786.23	1265.09	1633.19	896.99
-3441.737 - -2904.612	-3006.48	-3006.48	-3006.48	2549.99	2549.99	2549.99
-3978.861 - -3441.737	-3978.86	-3978.86	-3978.86	4499.99	4499.99	4499.99

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6560.072 - 7082.199	7082.20	7082.20	7082.20	17499.95	17499.95	17499.95
4471.564 - 4993.691	4676.26	4693.66	4658.86	6199.94	6999.96	5399.91
3949.437 - 4471.564	4445.26	4445.26	4445.26	4899.93	4899.93	4899.93
3427.310 - 3949.437	3444.74	3444.74	3444.74	3040.00	3040.00	3040.00
2905.183 - 3427.310	3426.47	3426.47	3426.47	3149.93	3149.93	3149.93
2383.056 - 2905.183	2490.40	2620.16	2392.75	3979.31	8399.98	1379.92
1860.929 - 2383.056	2038.25	2189.22	1872.40	2257.72	3393.68	1592.85
1338.802 - 1860.929	1529.31	1844.89	1349.86	1728.93	2934.33	30.35
816.675 - 1338.802	1003.34	1333.91	828.12	821.99	2254.41	6.64
294.548 - 816.675	488.22	815.59	296.02	332.97	4164.05	2.04
-227.580 - 294.548	70.49	293.71	-224.89	107.93	3023.93	0.56
-749.707 - -227.580	-333.75	-228.40	-689.90	70.80	4416.17	1.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-1271.834 - -749.707	-926.37	-830.52	-1148.51	264.84	442.37	11.96
-2316.088 - -1793.961	-1983.20	-1817.63	-2293.35	2823.29	4297.64	1088.79
-3360.342 - -2838.215	-3100.98	-2841.61	-3360.34	1851.39	2177.58	1525.19

SAS Enterprise Miner Report

Node=Neural Network 3HU Summary

Node id = Neural
 Node label = Neural Network 3HU
 Meta path = lds2 => Part => Neural
 Notes =

Node=Neural Network 3HU Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	NeuralNetwork		Hidden	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	N		ModelSelectionCriterion	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 3HU Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

Node=Neural Network 3HU Model Fit Statistics

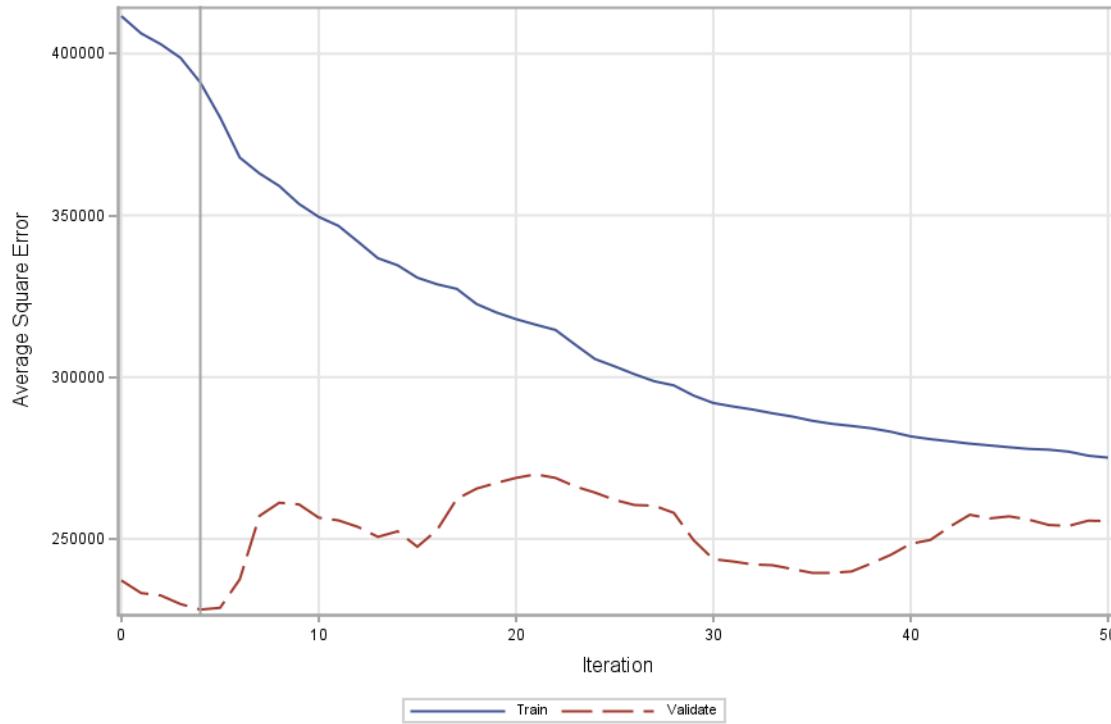
Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Total Degrees of Freedom	3198.00		
Degrees of Freedom for Error	-2053.00	.	.
Model Degrees of Freedom	5251.00	.	.
Number of Estimated Weights	5251.00	.	.
Average Squared Error	391083.83	228144.37	175169.27
Maximum Absolute Error	23874.28	10417.75	8987.99
Divisor for ASE	3198.00	2399.00	2398.00
Sum of Frequencies	3198.00	2399.00	2398.00
Root Average Squared Error	625.37	477.64	418.53
Sum of Squared Errors	1250686095.12	547318341.31	420055905.61
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00
Average Error Function	391083.83	228144.37	175169.27
Error Function	1250686095.12	547318341.31	420055905.61

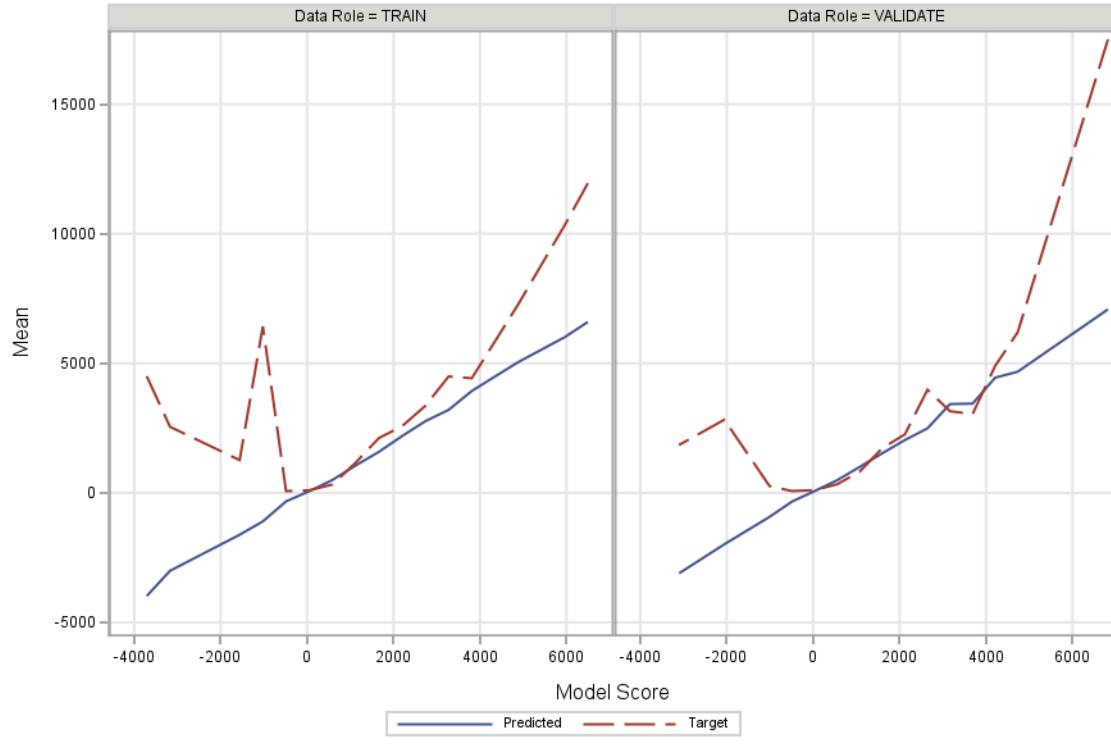
SAS Enterprise Miner Report
Node=Neural Network 3HU
Model Iteration Plots

9

SAS Enterprise Miner Report
Node=Neural Network 3HU
Model Iteration Plots



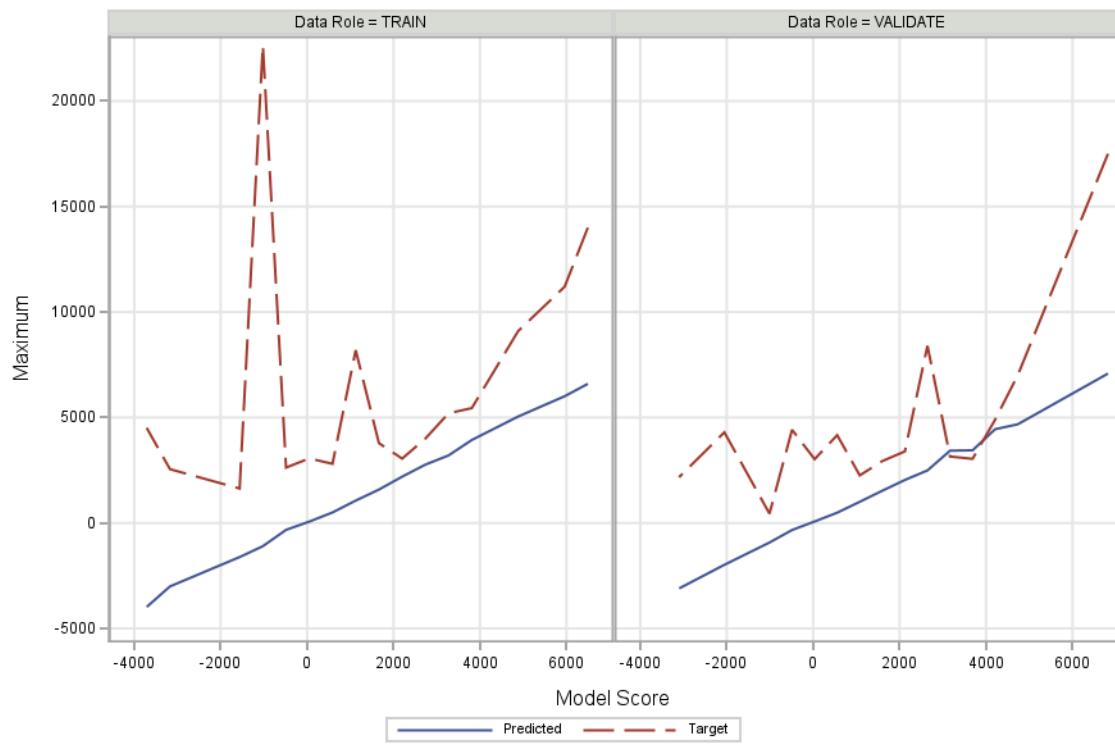
SAS Enterprise Miner Report
Node=Neural Network 3HU
Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report

Node=Neural Network 3HU

Score Distributions where TARGET='Sales'



Node=Neural Network 3HU

Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6226.504 - 6763.629	6596.42	6763.63	6429.22	11946.35	13999.96	9892.74
5689.380 - 6226.504	6006.94	6179.10	5834.78	10324.96	11199.97	9449.95
4615.131 - 5152.255	5046.67	5102.60	4936.94	7276.19	9099.93	4899.93
3540.882 - 4078.006	3932.34	3959.22	3905.47	4424.23	5443.96	3404.50
3003.757 - 3540.882	3201.83	3283.73	3030.21	4491.66	5199.96	3812.97
2466.633 - 3003.757	2765.38	2998.22	2532.54	3357.94	3999.95	2715.93
1929.508 - 2466.633	2195.15	2330.85	1974.49	2576.01	3050.38	1805.88
1392.384 - 1929.508	1583.55	1897.68	1401.12	2116.22	3785.29	396.00
855.259 - 1392.384	1060.64	1381.89	856.61	1169.11	8187.65	83.90
318.135 - 855.259	498.71	853.29	318.24	322.89	2803.92	2.69
-218.990 - 318.135	65.29	317.93	-218.69	101.22	3059.98	0.44
-756.114 - -218.990	-326.92	-219.14	-738.39	69.51	2624.99	1.41
-1293.239 - -756.114	-1100.10	-874.21	-1245.41	6423.92	22638.48	341.96
-1830.363 - -1293.239	-1615.72	-1445.20	-1786.23	1265.09	1633.19	896.99
-3441.737 - -2904.612	-3006.48	-3006.48	-3006.48	2549.99	2549.99	2549.99
-3978.861 - -3441.737	-3978.86	-3978.86	-3978.86	4499.99	4499.99	4499.99

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
6560.072 - 7082.199	7082.20	7082.20	7082.20	17499.95	17499.95	17499.95
4471.564 - 4993.691	4676.26	4693.66	4658.86	6199.94	6999.96	5399.91
3949.437 - 4471.564	4445.26	4445.26	4445.26	4899.93	4899.93	4899.93
3427.310 - 3949.437	3444.74	3444.74	3444.74	3040.00	3040.00	3040.00
2905.183 - 3427.310	3426.47	3426.47	3426.47	3149.93	3149.93	3149.93
2383.056 - 2905.183	2490.40	2620.16	2392.75	3979.31	8399.98	1379.92
1860.929 - 2383.056	2038.25	2189.22	1872.40	2257.72	3393.68	1592.85
1338.802 - 1860.929	1529.31	1844.89	1349.86	1728.93	2934.33	30.35
816.675 - 1338.802	1003.34	1333.91	828.12	821.99	2254.41	6.64
294.548 - 816.675	488.22	815.59	296.02	332.97	4164.05	2.04
-227.580 - 294.548	70.49	293.71	-224.89	107.93	3023.93	0.56
-749.707 - -227.580	-333.75	-228.40	-689.90	70.80	4416.17	1.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
-1271.834 - -749.707	-926.37	-830.52	-1148.51	264.84	442.37	11.96
-2316.088 - -1793.961	-1983.20	-1817.63	-2293.35	2823.29	4297.64	1088.79
-3360.342 - -2838.215	-3100.98	-2841.61	-3360.34	1851.39	2177.58	1525.19

SAS Enterprise Miner Report

Node=RegTree B3D6 Summary

Node id = Tree5
 Node label = RegTree B3D6
 Meta path = lds2 => Part => Tree5
 Notes =

Node=RegTree B3D6 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Y		Pred	N	
AVG	Y		KassApply	BEFORE		Predict	Y	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Y		RASE	N	
CV	N		Maxbranch	3	2	SampleMethod	RANDOM	
CVNIter	10		Maxdepth	6		SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Y	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Y	
Count	Y		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	Y	

Node=RegTree B3D6 Variable Summary

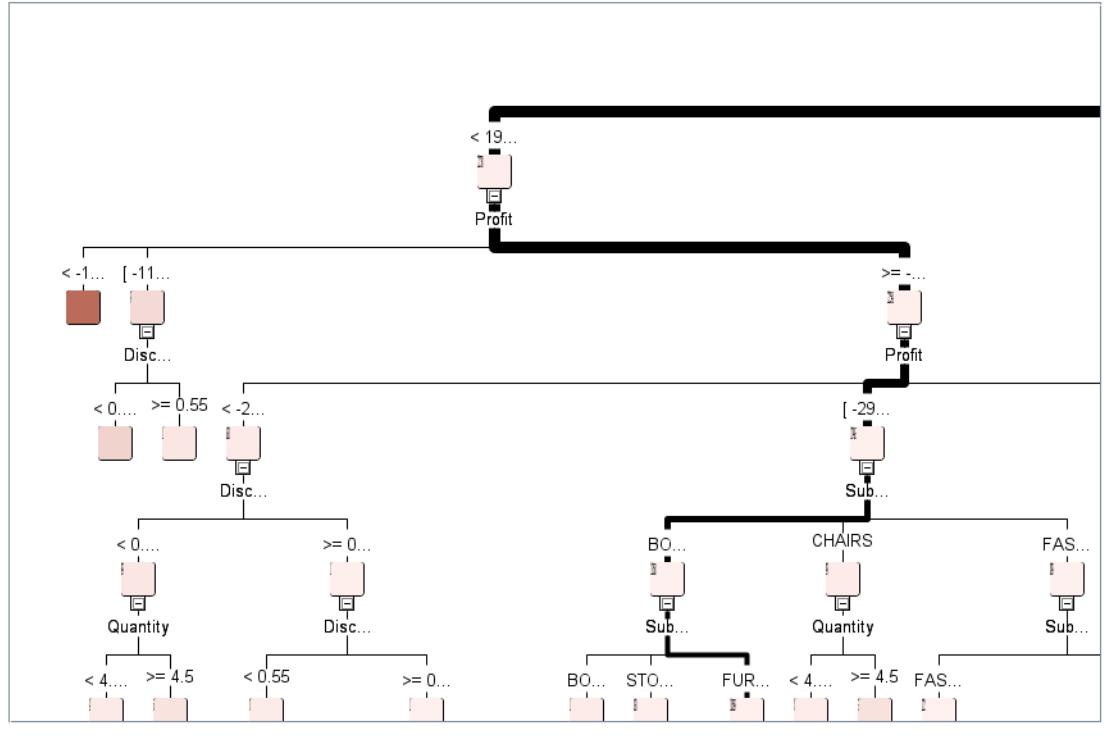
Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=RegTree B3D6 Model Fit Statistics

Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Sum of Frequencies	3198.00	2399.00	2398.00
Maximum Absolute Error	16194.75	8712.02	5980.48
Sum of Squared Errors	576100599.19	319617467.26	212479095.34
Average Squared Error	180144.03	133229.46	88606.80
Root Average Squared Error	424.43	365.01	297.67
Divisor for ASE	3198.00	2399.00	2398.00
Total Degrees of Freedom	3198.00	.	.

SAS Enterprise Miner Report Node=RegTree B3D6 Tree Diagram



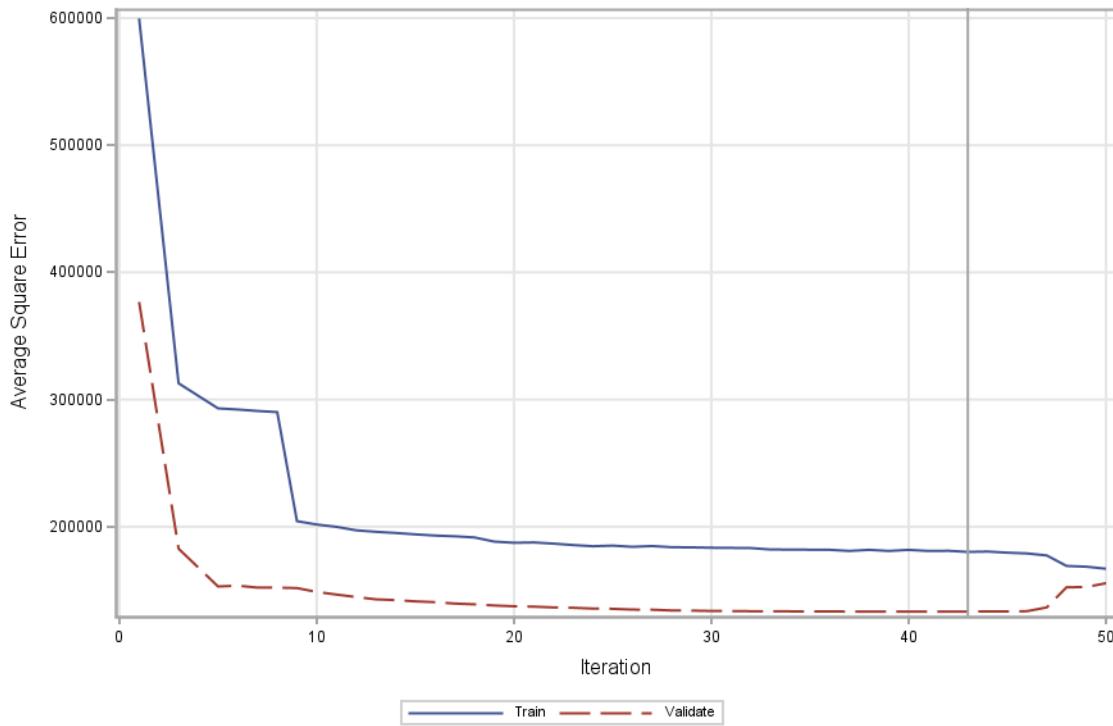
SAS Enterprise Miner Report
Node=RegTree B3D6
Treemap



SAS Enterprise Miner Report

Node=RegTree B3D6

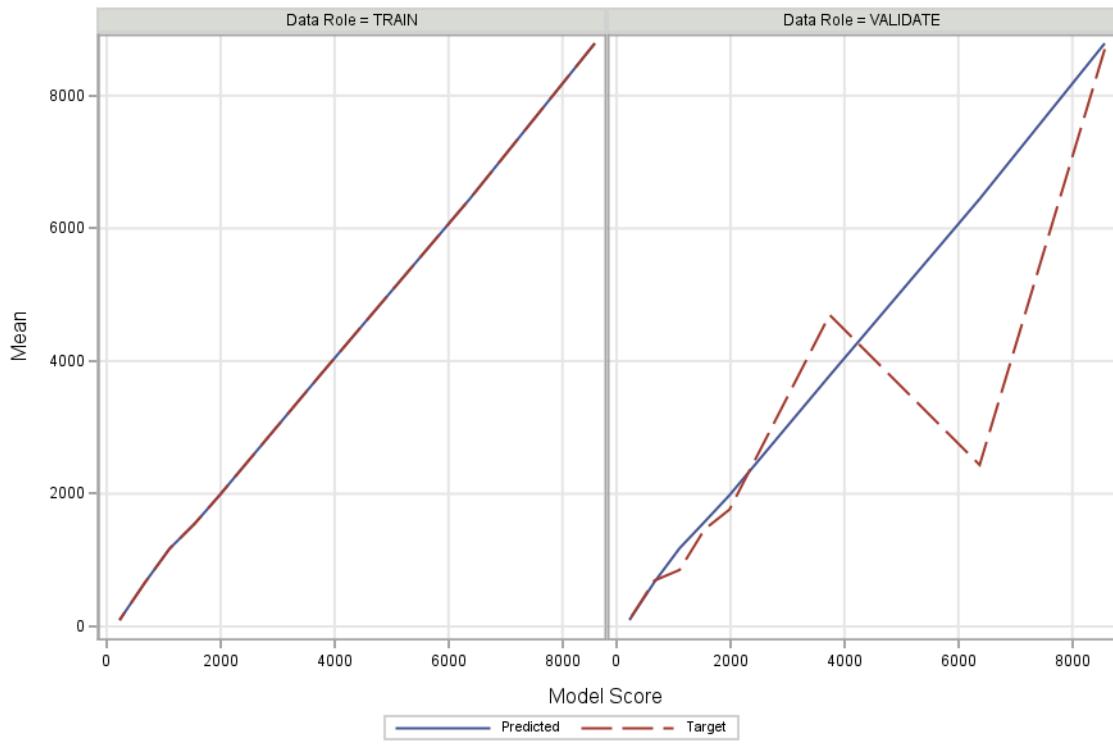
Model Iteration Plots



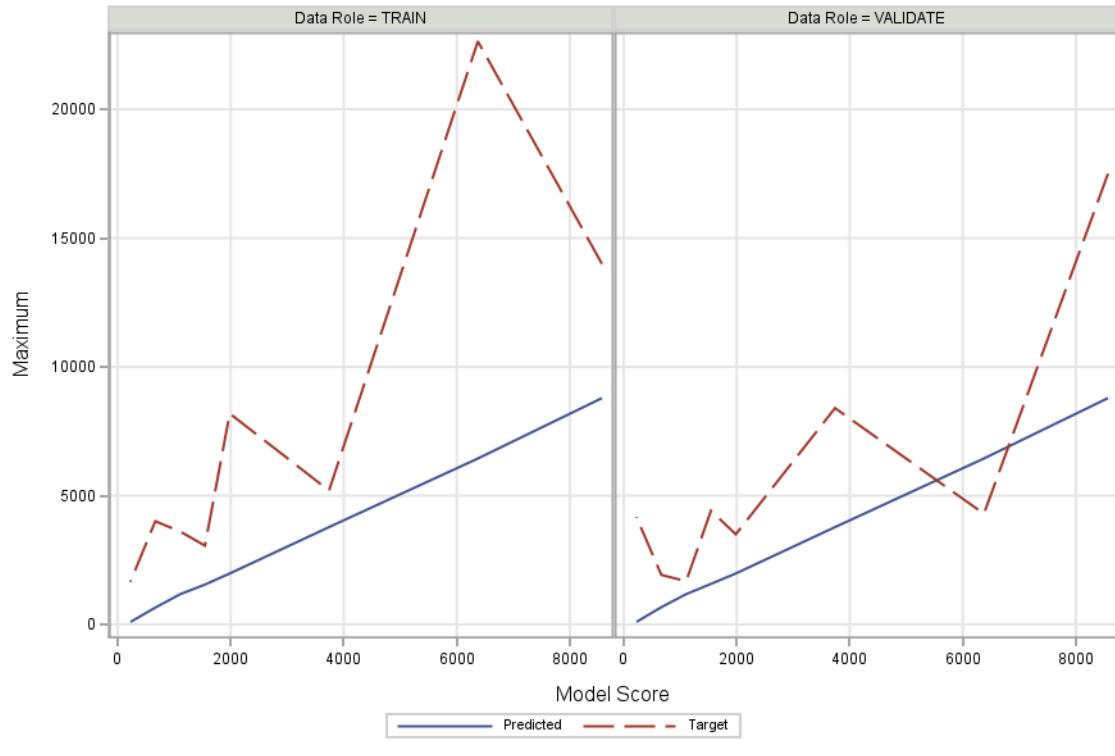
SAS Enterprise Miner Report

Node=RegTree B3D6

Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
Node=RegTree B3D6
Score Distributions where TARGET='Sales'



Node=RegTree B3D6
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8348.918 - 8787.926	8787.93	8787.93	8787.93	8787.93	13999.96	4899.93
6153.878 - 6592.886	6443.73	6443.73	6443.73	6443.73	22638.48	896.99
3519.829 - 3958.837	3779.71	3779.71	3779.71	3779.71	5199.96	2715.93
1763.797 - 2202.805	1979.52	1979.52	1979.52	1979.52	8187.65	735.98
1324.789 - 1763.797	1549.05	1688.25	1450.01	1549.05	3059.98	482.94
885.781 - 1324.789	1173.10	1215.42	961.50	1173.10	3610.85	350.97
446.773 - 885.781	655.41	885.51	457.34	655.41	4007.84	104.93
7.765 - 446.773	97.52	437.51	7.76	97.52	1665.62	0.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8348.918 - 8787.926	8787.93	8787.93	8787.93	8699.94	17499.95	4899.93
6153.878 - 6592.886	6443.73	6443.73	6443.73	2434.53	4297.64	1088.79
3519.829 - 3958.837	3779.71	3779.71	3779.71	4696.21	8399.98	3040.00
1763.797 - 2202.805	1979.52	1979.52	1979.52	1762.85	3499.93	735.98
1324.789 - 1763.797	1576.11	1688.25	1450.01	1463.36	4416.17	564.20
885.781 - 1324.789	1177.80	1215.42	961.50	851.66	1679.96	344.22
446.773 - 885.781	671.31	885.51	457.34	692.20	1924.16	127.30
7.765 - 446.773	100.04	437.51	7.76	103.12	4164.05	0.56

SAS Enterprise Miner Report

Node=RegTree B2D3 Summary

Node id = Tree4
 Node label = RegTree B2D3
 Meta path = lds2 => Part => Tree4
 Notes =

Node=RegTree B2D3 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Y		Pred	N	
AVG	Y		KassApply	BEFORE		Predict	Y	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Y		RASE	N	
CV	N		Maxbranch	2		SampleMethod	RANDOM	
CVNIter	10		Maxdepth	3	6	SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Y	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Y	
Count	Y		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	Y	

Node=RegTree B2D3 Variable Summary

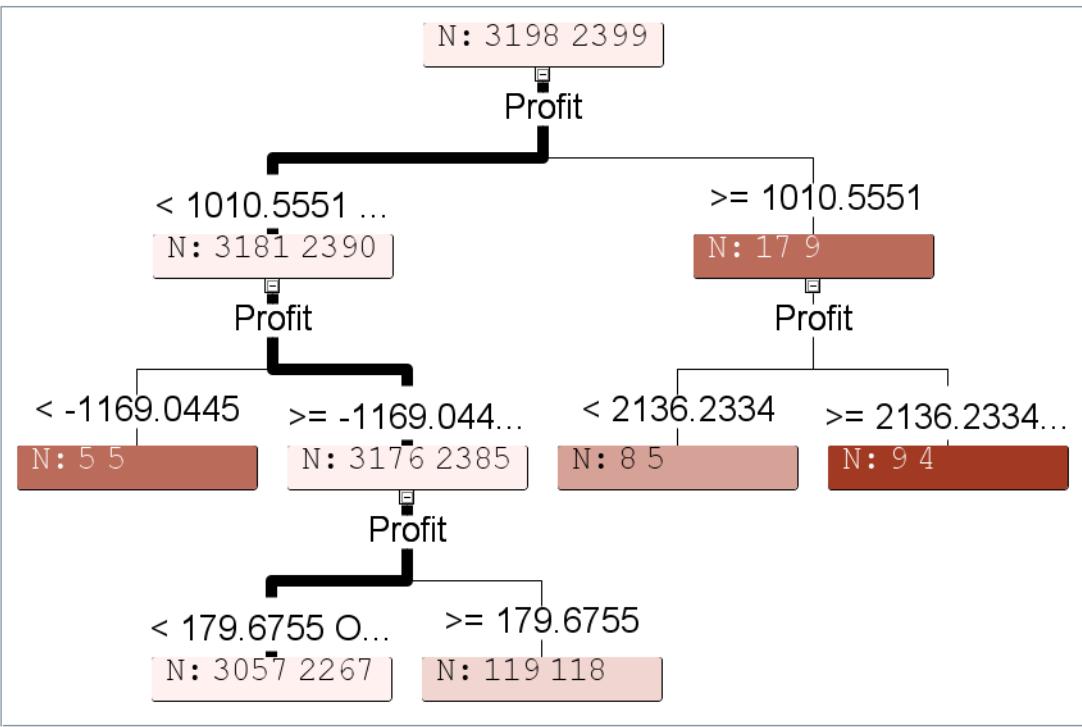
Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=RegTree B2D3 Model Fit Statistics

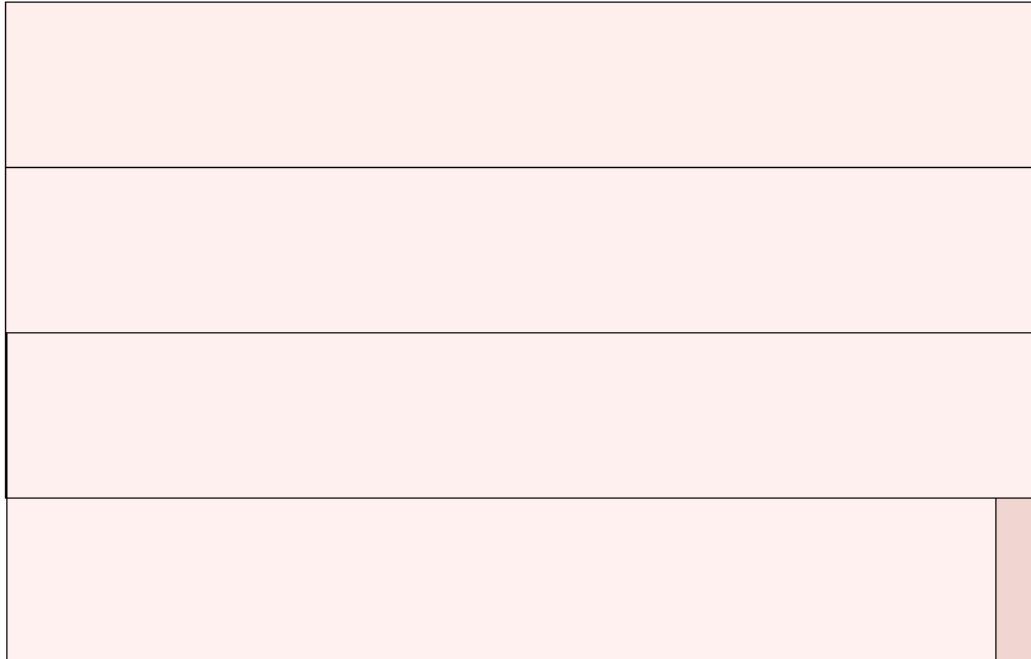
Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Sum of Frequencies	3198.00	2399.00	2398.00
Maximum Absolute Error	16194.75	8712.02	5980.48
Sum of Squared Errors	758835684.57	439146944.66	314807122.35
Average Squared Error	237284.45	183054.17	131279.03
Root Average Squared Error	487.12	427.85	362.32
Divisor for ASE	3198.00	2399.00	2398.00
Total Degrees of Freedom	3198.00	.	.

SAS Enterprise Miner Report
Node=RegTree B2D3
Tree Diagram



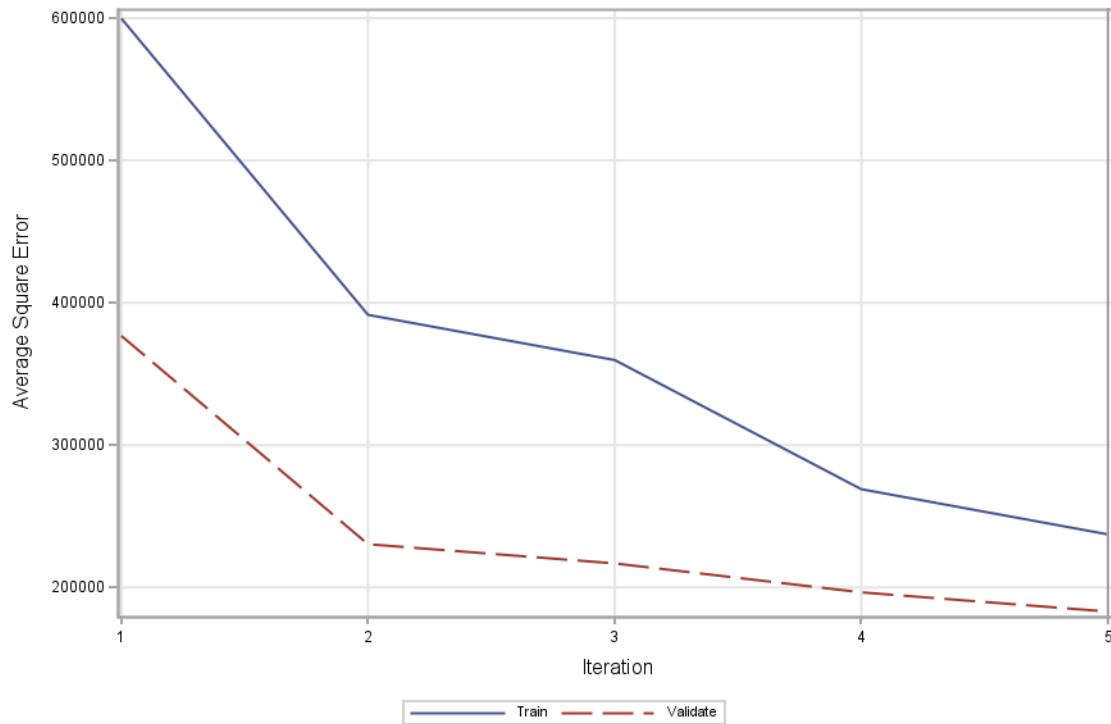
SAS Enterprise Miner Report
Node=RegTree B2D3
Treemap



SAS Enterprise Miner Report

Node=RegTree B2D3

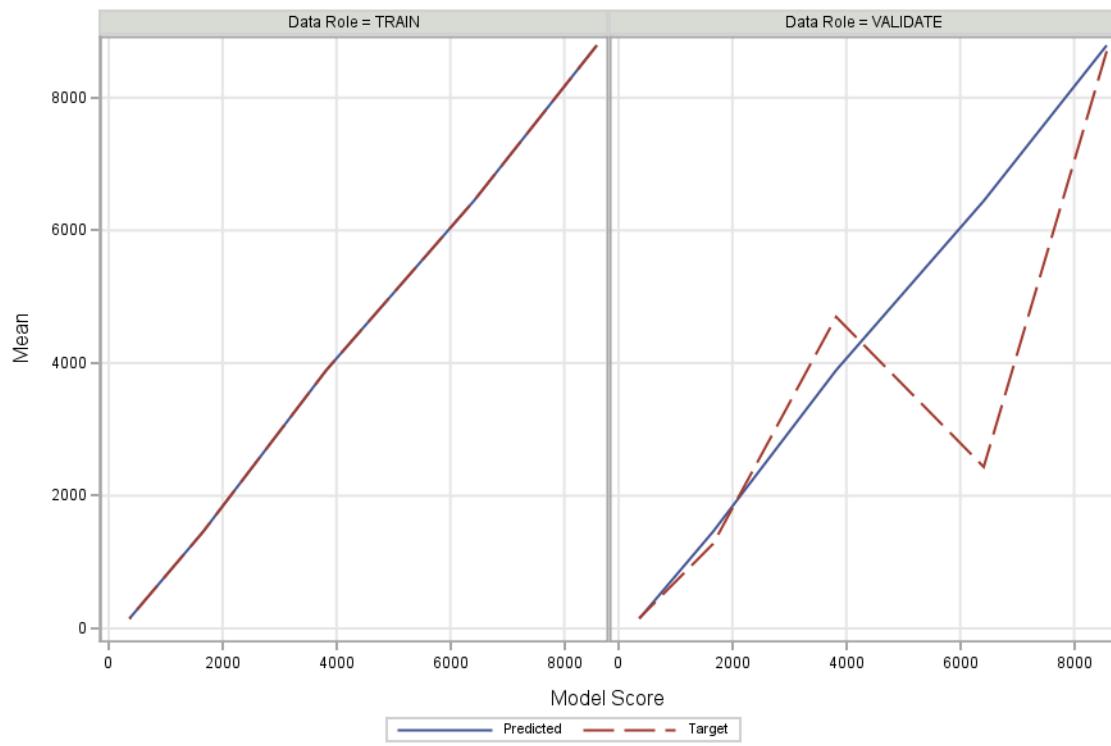
Model Iteration Plots



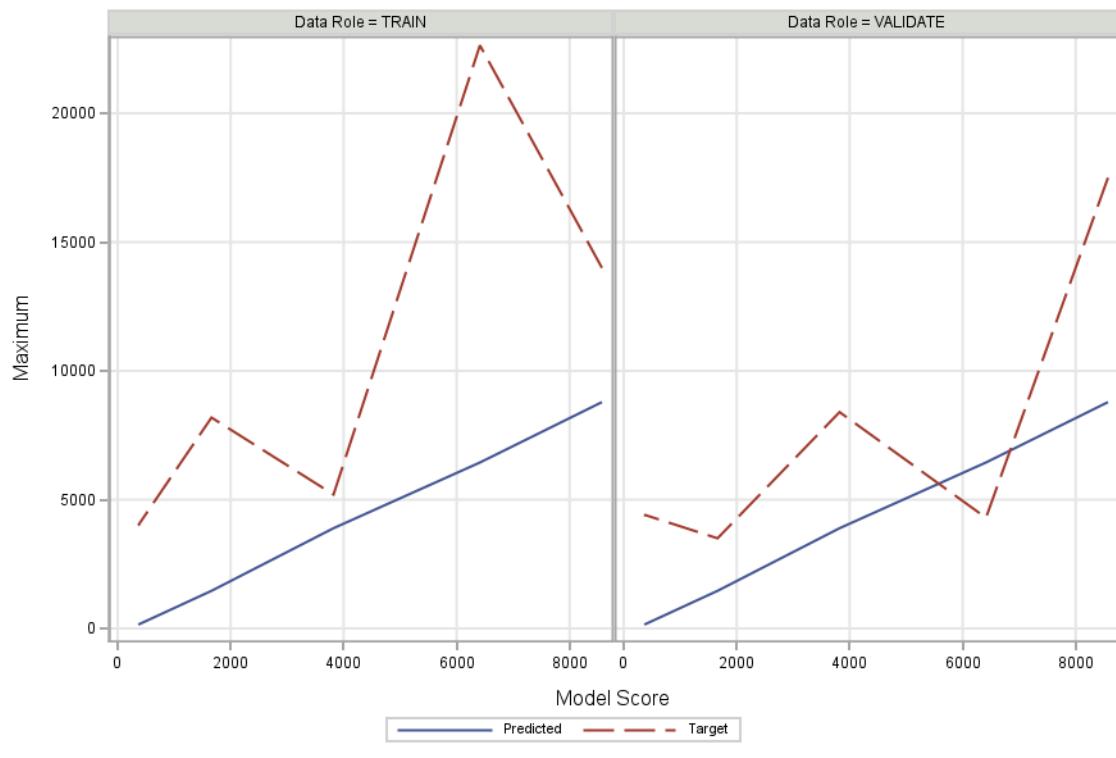
SAS Enterprise Miner Report

Node=RegTree B2D3

Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
Node=RegTree B2D3
Score Distributions where TARGET='Sales'



Node=RegTree B2D3
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8356.004 - 8787.926	8787.93	8787.93	8787.93	8787.93	13999.96	4899.93
6196.394 - 6628.316	6443.73	6443.73	6443.73	6443.73	22638.48	896.99
3604.862 - 4036.784	3892.17	3892.17	3892.17	3892.17	5199.96	2715.93
1445.252 - 1877.174	1460.96	1460.96	1460.96	1460.96	8187.65	396.00
149.486 - 581.408	149.49	149.49	149.49	149.49	4007.84	0.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8356.004 - 8787.926	8787.93	8787.93	8787.93	8699.94	17499.95	4899.93
6196.394 - 6628.316	6443.73	6443.73	6443.73	2434.53	4297.64	1088.79
3604.862 - 4036.784	3892.17	3892.17	3892.17	4696.21	8399.98	3040.00
1445.252 - 1877.174	1460.96	1460.96	1460.96	1276.72	3499.93	387.99
149.486 - 581.408	149.49	149.49	149.49	156.09	4416.17	0.56

SAS Enterprise Miner Report

Node=RegTree B2D4 Summary

Node id = Tree3
 Node label = RegTree B2D4
 Meta path = lds2 => Part => Tree3
 Notes =

Node=RegTree B2D4 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Y		Pred	N	
AVG	Y		KassApply	BEFORE		Predict	Y	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Y		RASE	N	
CV	N		Maxbranch	2		SampleMethod	RANDOM	
CVNIter	10		Maxdepth	4	6	SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Y	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Y	
Count	Y		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	Y	

Node=RegTree B2D4 Variable Summary

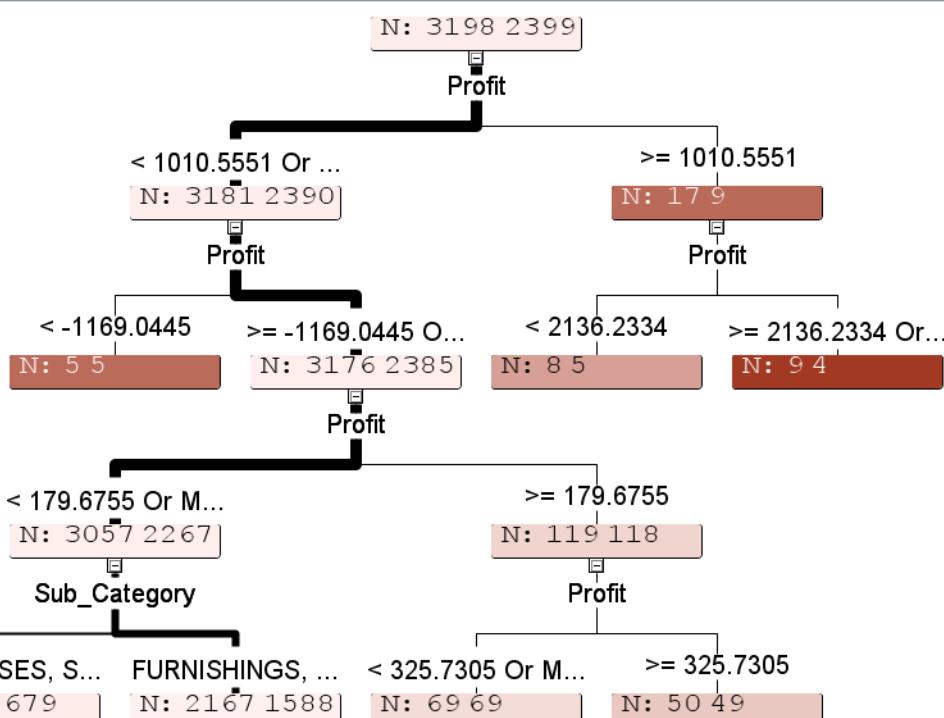
Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=RegTree B2D4 Model Fit Statistics

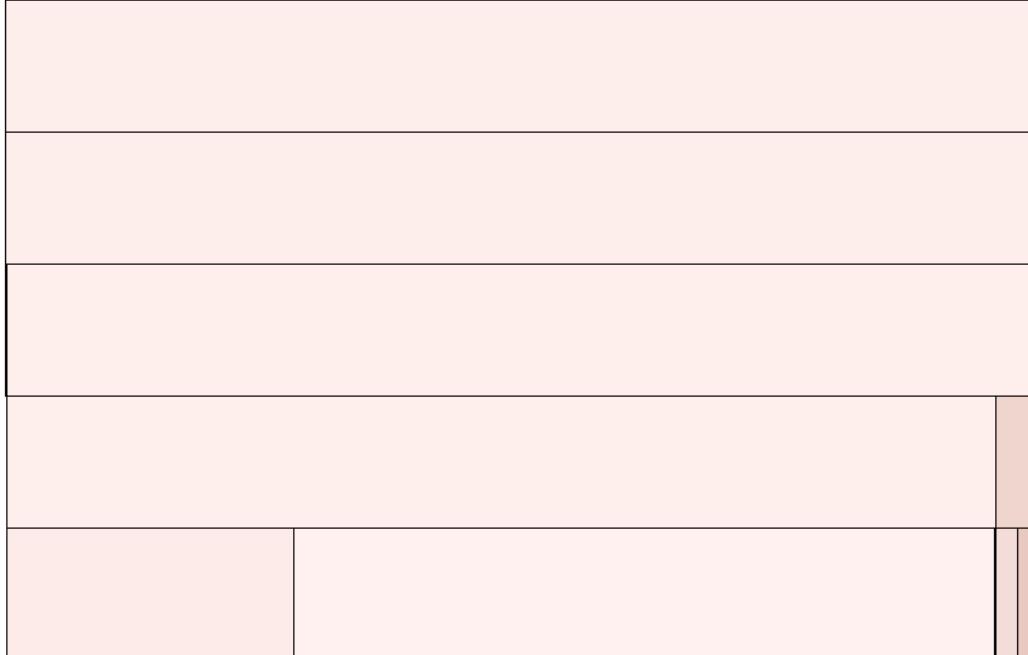
Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Sum of Frequencies	3198.00	2399.00	2398.00
Maximum Absolute Error	16194.75	8712.02	5980.48
Sum of Squared Errors	685234658.44	382710812.91	277102572.41
Average Squared Error	214269.75	159529.31	115555.70
Root Average Squared Error	462.89	399.41	339.93
Divisor for ASE	3198.00	2399.00	2398.00
Total Degrees of Freedom	3198.00	.	.

SAS Enterprise Miner Report
Node=RegTree B2D4
Tree Diagram



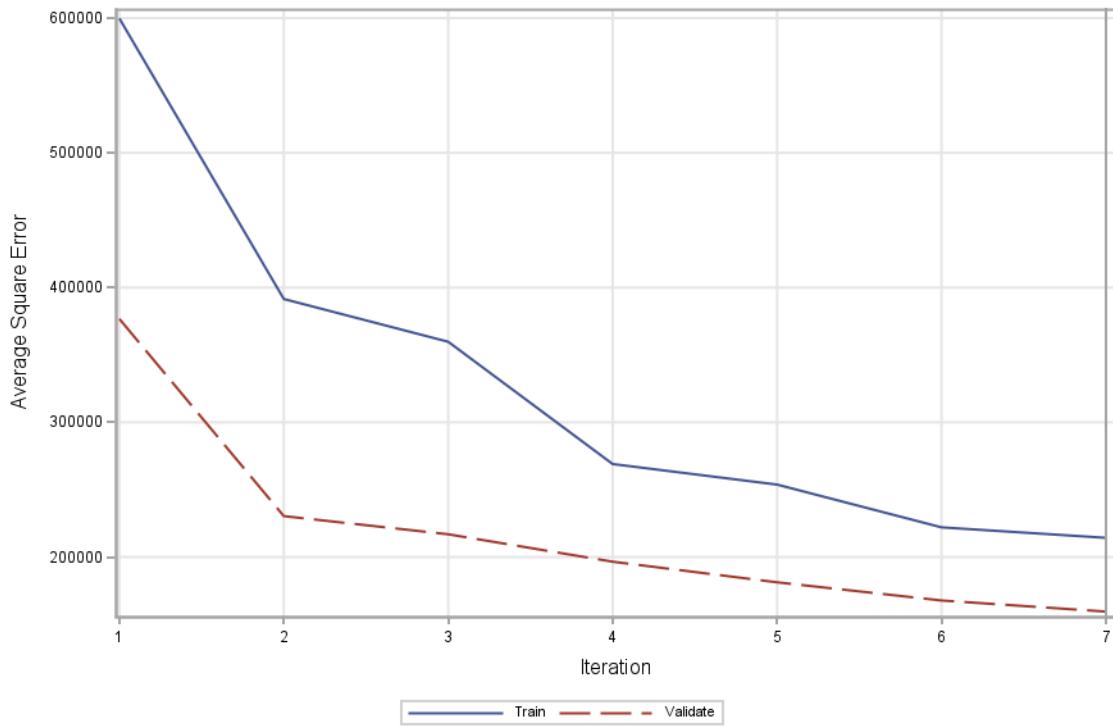
SAS Enterprise Miner Report
Node=RegTree B2D4
Treemap



SAS Enterprise Miner Report

Node=RegTree B2D4

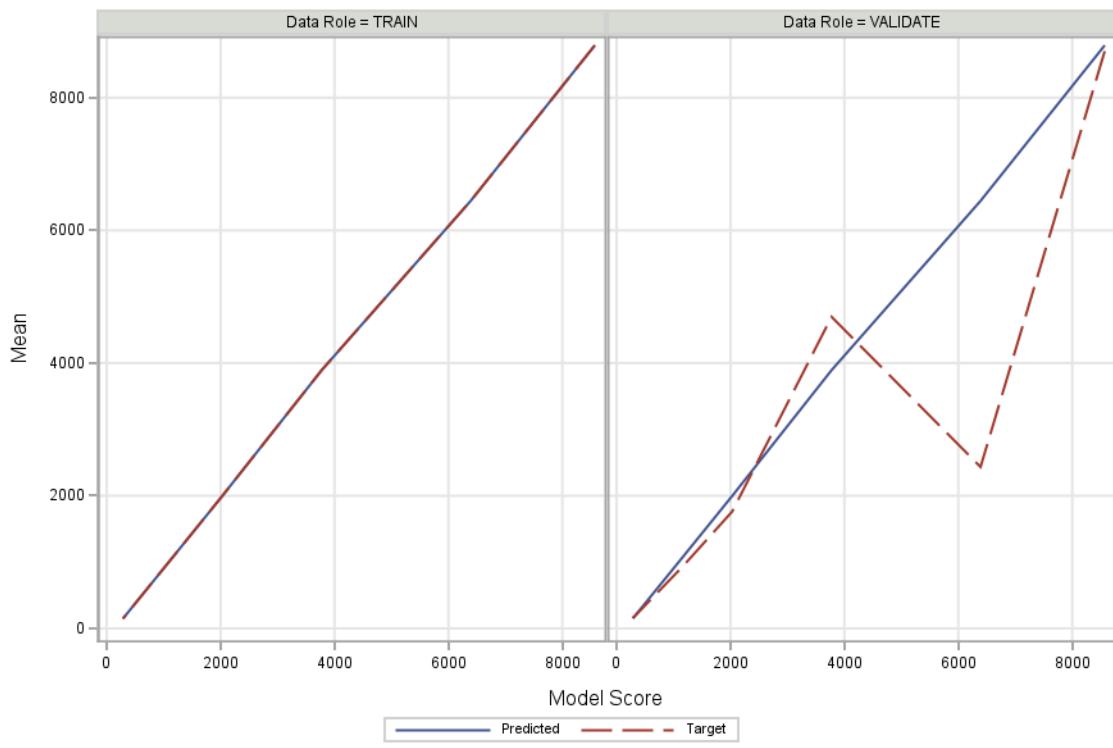
Model Iteration Plots



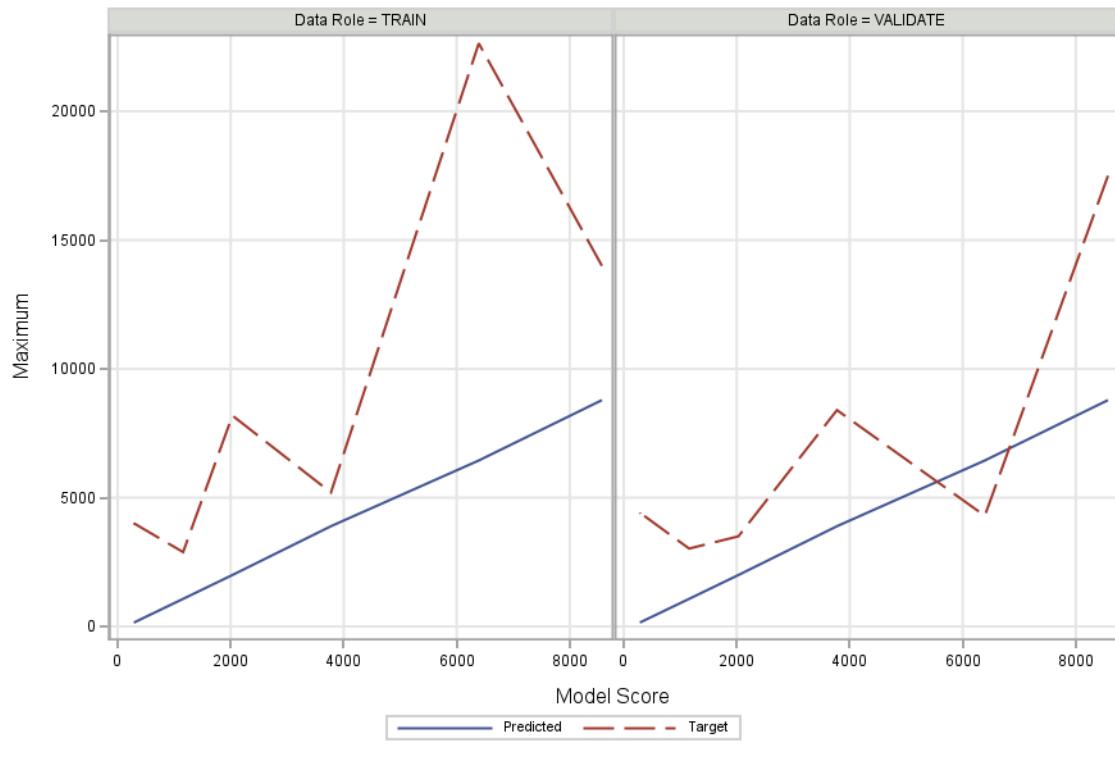
SAS Enterprise Miner Report

Node=RegTree B2D4

Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
 Node=RegTree B2D4
 Score Distributions where TARGET='Sales'



Node=RegTree B2D4
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8351.957 - 8787.926	8787.93	8787.93	8787.93	8787.93	13999.96	4899.93
6172.109 - 6608.079	6443.73	6443.73	6443.73	6443.73	22638.48	896.99
3556.292 - 3992.262	3892.17	3892.17	3892.17	3892.17	5199.96	2715.93
1812.414 - 2248.384	1997.53	1997.53	1997.53	1997.53	8187.65	735.98
940.475 - 1376.445	1072.15	1072.15	1072.15	1072.15	2887.06	396.00
68.536 - 504.506	149.49	346.59	68.54	149.49	4007.84	0.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8351.957 - 8787.926	8787.93	8787.93	8787.93	8699.94	17499.95	4899.93
6172.109 - 6608.079	6443.73	6443.73	6443.73	2434.53	4297.64	1088.79
3556.292 - 3992.262	3892.17	3892.17	3892.17	4696.21	8399.98	3040.00
1812.414 - 2248.384	1997.53	1997.53	1997.53	1762.85	3499.93	735.98
940.475 - 1376.445	1072.15	1072.15	1072.15	931.50	3023.93	387.99
68.536 - 504.506	151.82	346.59	68.54	156.09	4416.17	0.56

SAS Enterprise Miner Report

Node=RegTree B2D5 Summary

Node id = Tree2
 Node label = RegTree B2D5
 Meta path = lds2 => Part => Tree2
 Notes =

Node=RegTree B2D5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Y		Pred	N	
AVG	Y		KassApply	BEFORE		Predict	Y	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Y		RASE	N	
CV	N		Maxbranch	2		SampleMethod	RANDOM	
CVNIter	10		Maxdepth	5	6	SampleSeed	12345	
CVRepeat	1		MinCatSize	5		SampleSize	10000	
CVSeed	12345		MissingValue	USEINSEARCH		ShowNodeld	Y	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Y	
Count	Y		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	Y	

Node=RegTree B2D5 Variable Summary

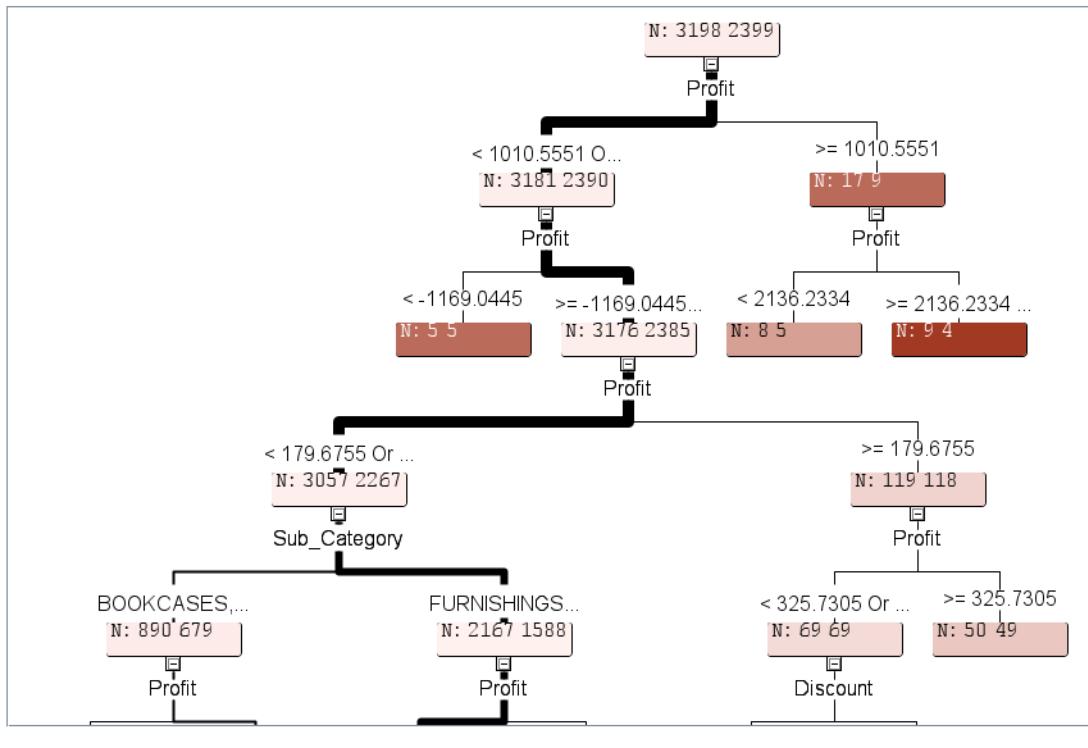
Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=RegTree B2D5 Model Fit Statistics

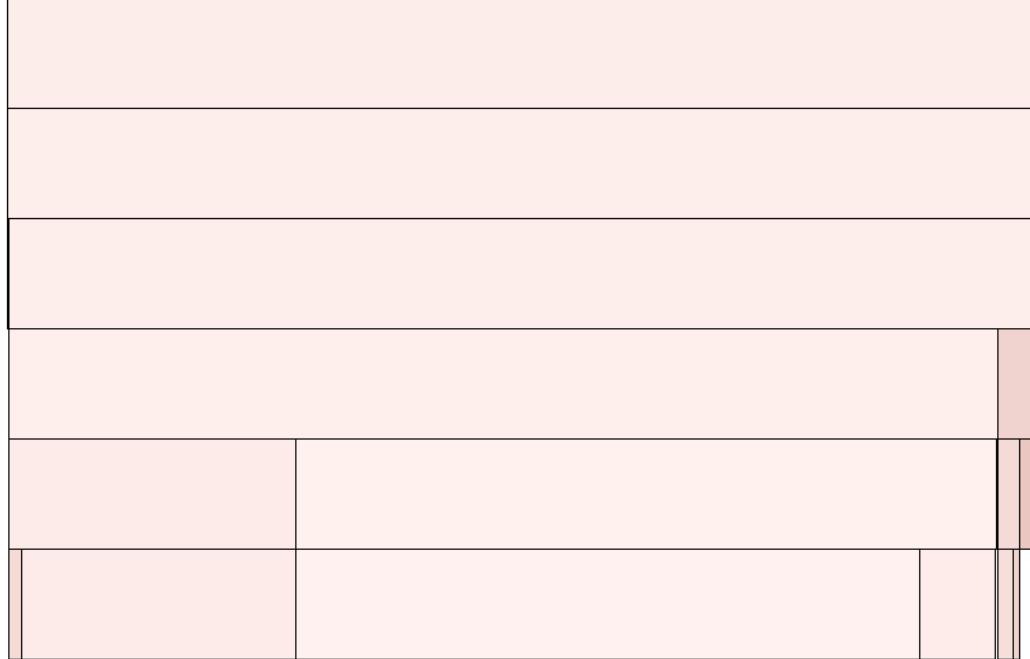
Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Sum of Frequencies	3198.00	2399.00	2398.00
Maximum Absolute Error	16194.75	8712.02	5980.48
Sum of Squared Errors	645630082.07	359883730.44	263279884.25
Average Squared Error	201885.58	150014.06	109791.44
Root Average Squared Error	449.32	387.32	331.35
Divisor for ASE	3198.00	2399.00	2398.00
Total Degrees of Freedom	3198.00	.	.

SAS Enterprise Miner Report
Node=RegTree B2D5
Tree Diagram



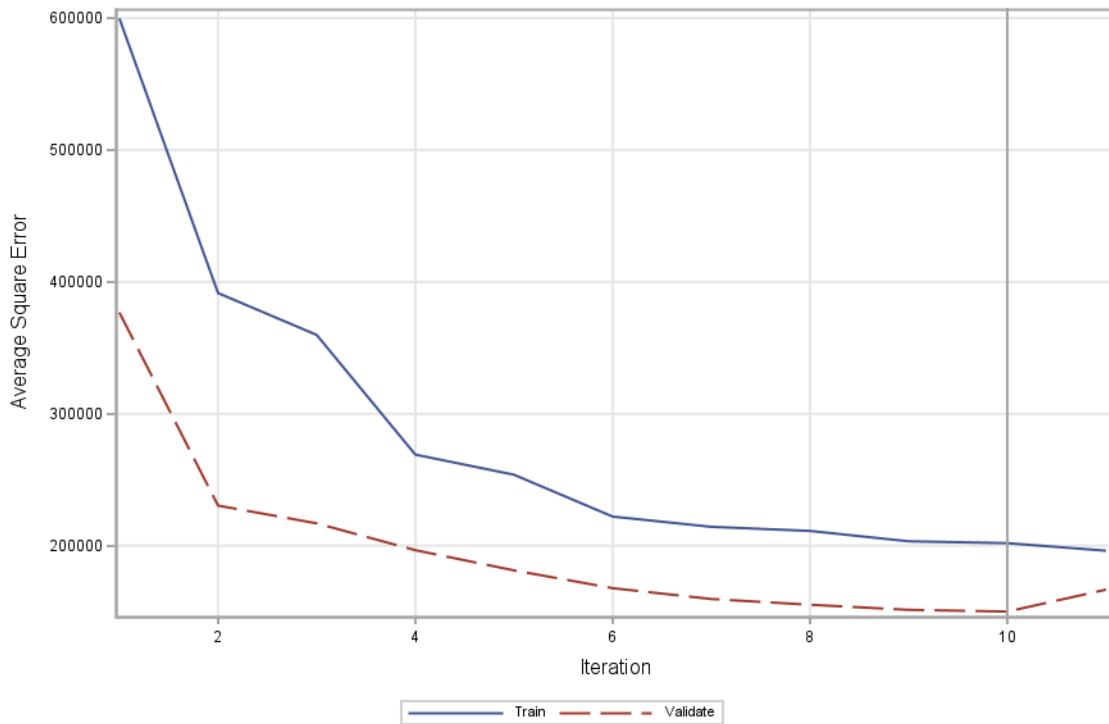
SAS Enterprise Miner Report
Node=RegTree B2D5
Treemap



SAS Enterprise Miner Report

Node=RegTree B2D5

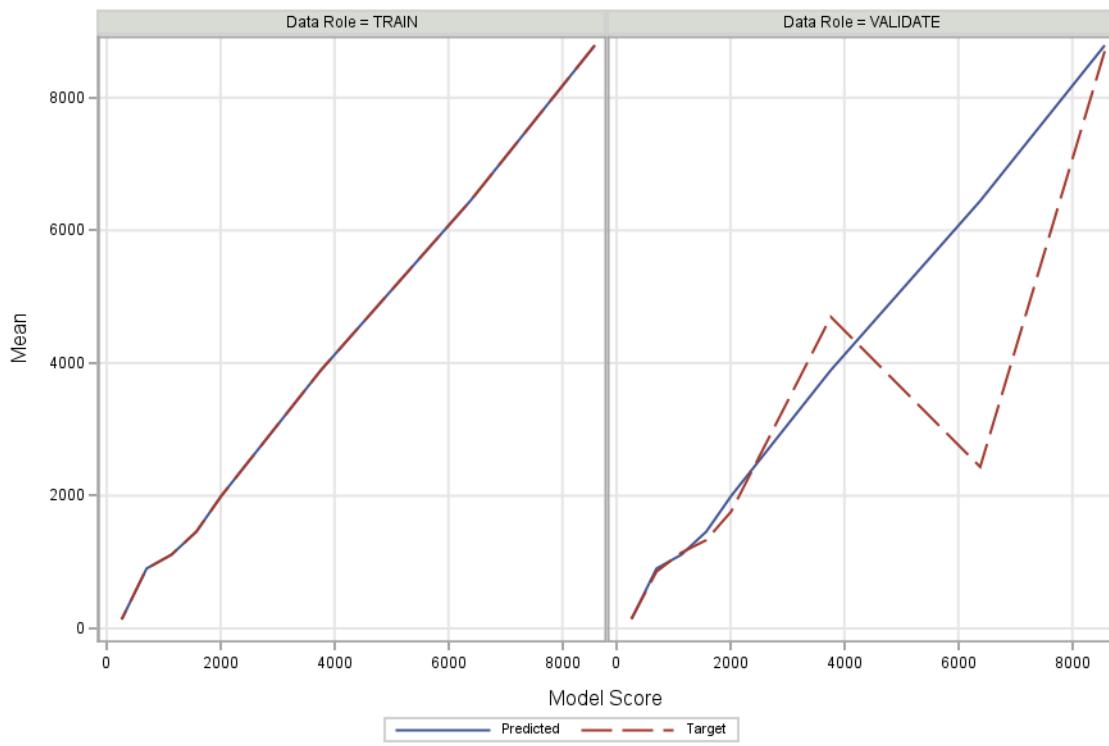
Model Iteration Plots



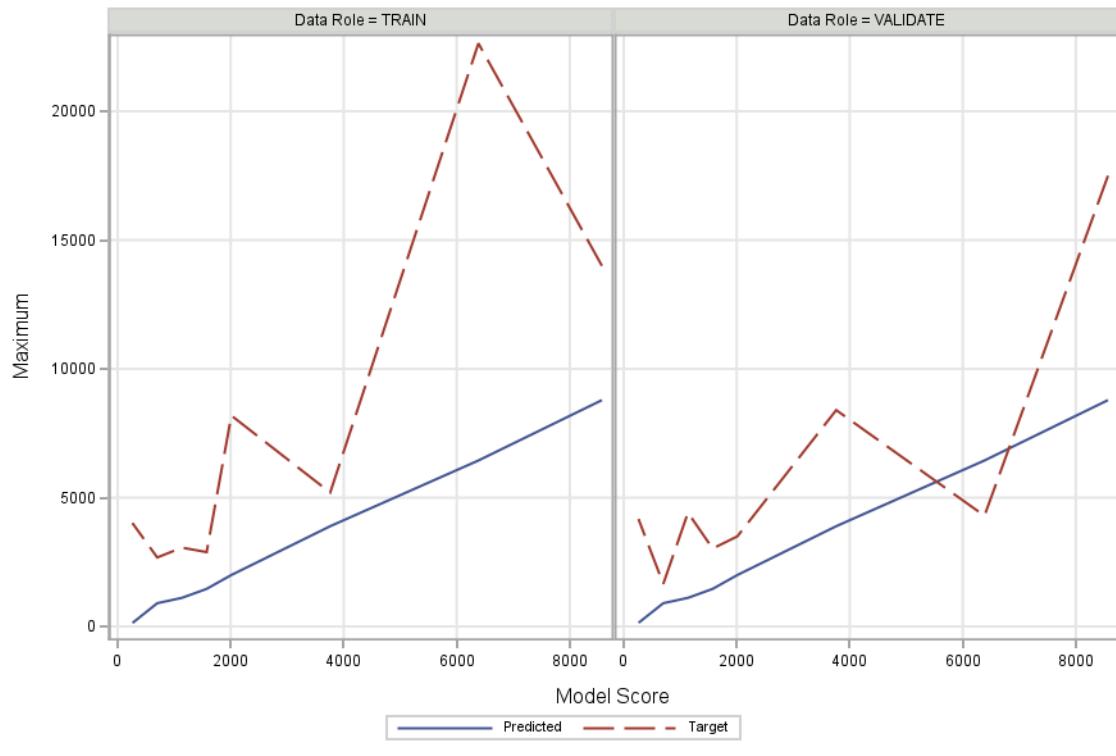
SAS Enterprise Miner Report

Node=RegTree B2D5

Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
Node=RegTree B2D5
Score Distributions where TARGET='Sales'



Node=RegTree B2D5
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8350.771 - 8787.926	8787.93	8787.93	8787.93	8787.93	13999.96	4899.93
6164.996 - 6602.151	6443.73	6443.73	6443.73	6443.73	22638.48	896.99
3542.066 - 3979.221	3892.17	3892.17	3892.17	3892.17	5199.96	2715.93
1793.446 - 2230.601	1997.53	1997.53	1997.53	1997.53	8187.65	735.98
1356.291 - 1793.446	1459.22	1459.22	1459.22	1459.22	2887.06	590.35
919.136 - 1356.291	1111.70	1111.70	1111.70	1111.70	3059.98	179.99
481.981 - 919.136	902.81	902.81	902.81	902.81	2678.94	396.00
44.825 - 481.981	136.41	309.64	44.83	136.41	4007.84	0.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8350.771 - 8787.926	8787.93	8787.93	8787.93	8699.94	17499.95	4899.93
6164.996 - 6602.151	6443.73	6443.73	6443.73	2434.53	4297.64	1088.79
3542.066 - 3979.221	3892.17	3892.17	3892.17	4696.21	8399.98	3040.00
1793.446 - 2230.601	1997.53	1997.53	1997.53	1762.85	3499.93	735.98
1356.291 - 1793.446	1459.22	1459.22	1459.22	1331.67	3023.93	590.35
919.136 - 1356.291	1111.70	1111.70	1111.70	1143.21	4416.17	301.47
481.981 - 919.136	902.81	902.81	902.81	855.61	1652.94	387.99
44.825 - 481.981	141.00	309.64	44.83	149.51	4164.05	0.56

SAS Enterprise Miner Report

Node=RegTree B2D6 Summary

Node id = Tree
 Node label = RegTree B2D6
 Meta path = lds2 => Part => Tree
 Notes =

Node=RegTree B2D6 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DecisionTree		Kass	Y		Pred	N	
AVG	Y		KassApply	BEFORE		Predict	Y	
AssessMeasure	PROFIT/LOSS		LeafSize	5		ProfitLoss	NONE	
AssessPercentage	0.25		Leafid	Y		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	Y	
ClassColorBy	PERCENTCORRECT		NSubtree	1		ShowValid	Y	
Count	Y		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	Y	

Node=RegTree B2D6 Variable Summary

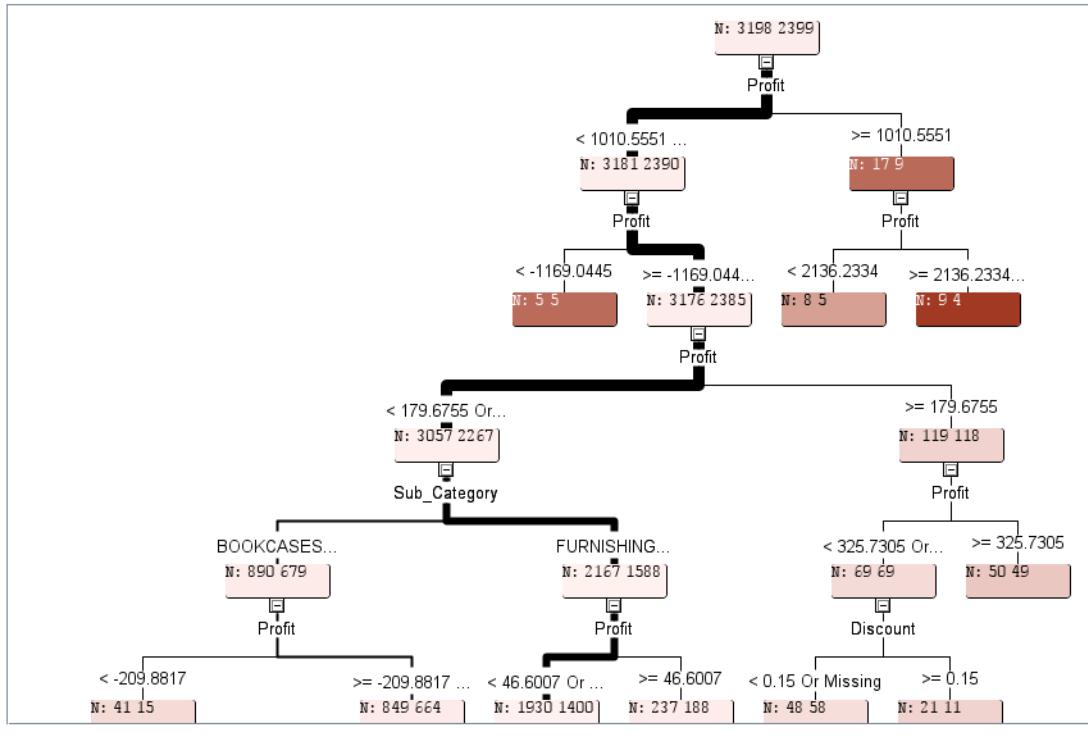
Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=RegTree B2D6 Model Fit Statistics

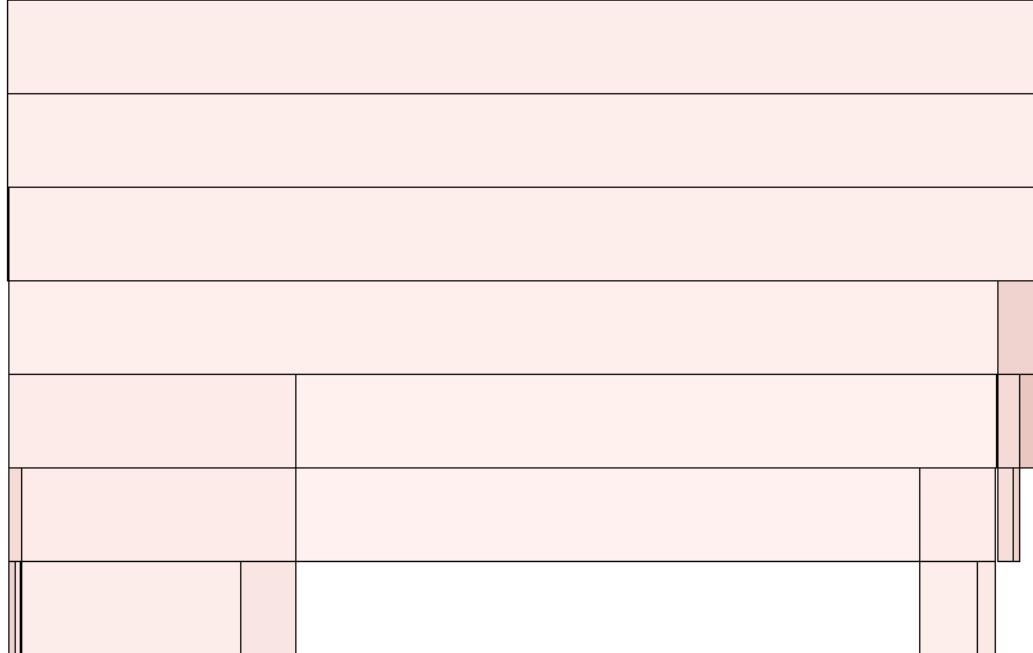
Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Sum of Frequencies	3198.00	2399.00	2398.00
Maximum Absolute Error	16194.75	8712.02	5980.48
Sum of Squared Errors	619017560.92	331542345.70	244820898.48
Average Squared Error	193563.97	138200.23	102093.79
Root Average Squared Error	439.96	371.75	319.52
Divisor for ASE	3198.00	2399.00	2398.00
Total Degrees of Freedom	3198.00	.	.

SAS Enterprise Miner Report
 Node=RegTree B2D6
 Tree Diagram



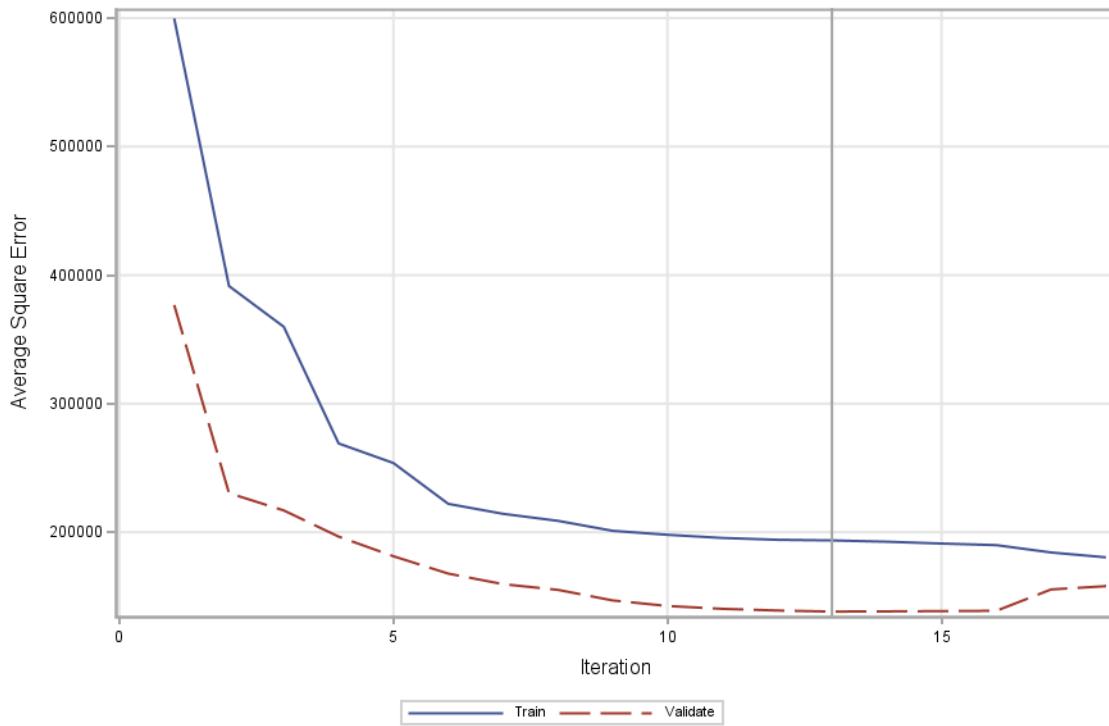
SAS Enterprise Miner Report
 Node=RegTree B2D6
 Treemap



SAS Enterprise Miner Report

Node=RegTree B2D6

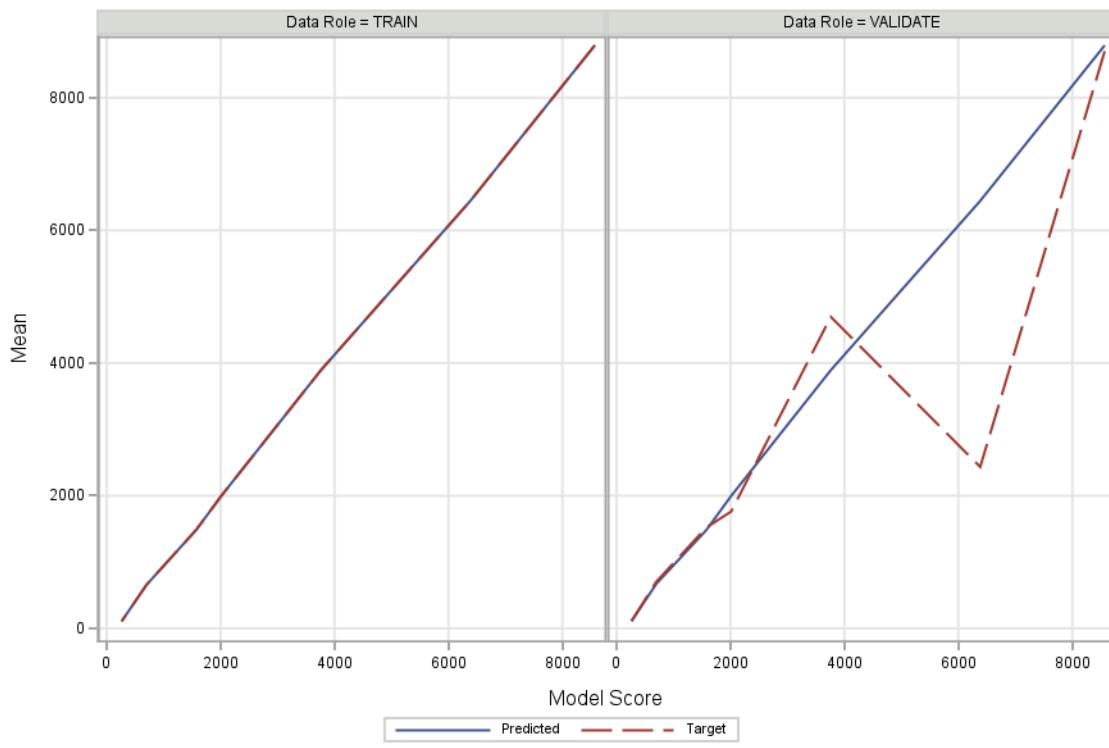
Model Iteration Plots



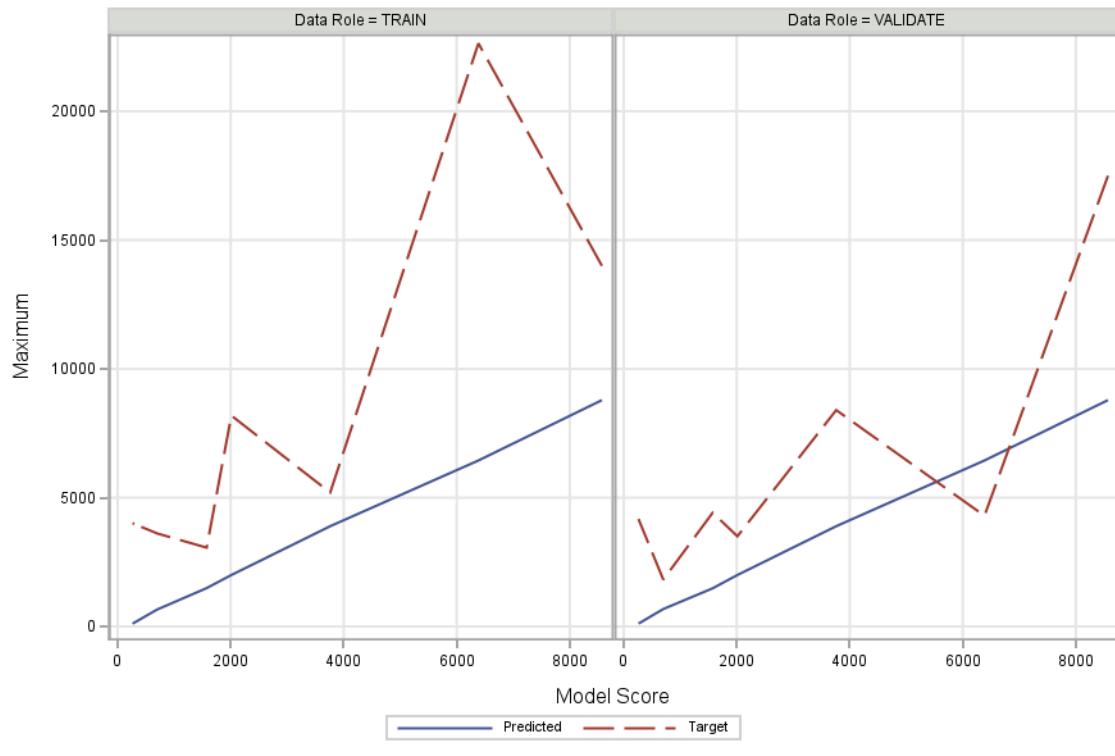
SAS Enterprise Miner Report

Node=RegTree B2D6

Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
Node=RegTree B2D6
Score Distributions where TARGET='Sales'



Node=RegTree B2D6
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8350.771 - 8787.926	8787.93	8787.93	8787.93	8787.93	13999.96	4899.93
6164.996 - 6602.151	6443.73	6443.73	6443.73	6443.73	22638.48	896.99
3542.066 - 3979.221	3892.17	3892.17	3892.17	3892.17	5199.96	2715.93
1793.446 - 2230.601	1997.53	1997.53	1997.53	1997.53	8187.65	735.98
1356.291 - 1793.446	1489.38	1518.16	1459.22	1489.38	3059.98	590.35
481.981 - 919.136	658.96	902.81	592.50	658.96	3610.85	129.98
44.825 - 481.981	108.99	411.01	44.83	108.99	4007.84	0.44

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8350.771 - 8787.926	8787.93	8787.93	8787.93	8699.94	17499.95	4899.93
6164.996 - 6602.151	6443.73	6443.73	6443.73	2434.53	4297.64	1088.79
3542.066 - 3979.221	3892.17	3892.17	3892.17	4696.21	8399.98	3040.00
1793.446 - 2230.601	1997.53	1997.53	1997.53	1762.85	3499.93	735.98
1356.291 - 1793.446	1482.14	1518.16	1459.22	1519.83	4416.17	590.35
481.981 - 919.136	676.08	902.81	592.50	707.44	1819.86	104.98
44.825 - 481.981	111.52	411.01	44.83	112.07	4164.05	0.56

SAS Enterprise Miner Report

Node=Interactive Regression Summary

Node id = Reg5
 Node label = Interactive Regression
 Meta path = lds2 => Part => Reg5
 Notes =

Node=Interactive Regression Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Regression		Force	0		PolynomialDegree	2	
AbsConvValue	-1.34078E154	-7.237006E75	GConvTimes	1		PrintDesignMatrix	N	
AbsFTime	1		GConvValue	1E-6		Rule	NONE	
AbsFValue	0		Hierarchy	CLASS		SASSPDS	N	
AbsGTime	1		InputCoding	DEVIATION		SelectionCriterion	DEFAULT	
AbsGValue	0.00001		Interactions			SelectionDefault	Y	
AbsXTime	1		LinkFunction	LOGIT		Sequential	N	
AbsXValue	1E-8		MainEffect	Y		Simple	N	
CIParam	N		MaxCPUTime	1 HOUR		SIEntry	0.05	
ConvDefaults	Y		MaxFunctionCalls	.		SISStay	0.05	
CorB	N		MaxIterations	.		Start	0	
CovB	N		MaxStep	.		StepOutput	N	
Covout	N		MinResourceUse	N		Stop	0	
Details	N		ModelDefaults	Y		SuppressIntercept	N	
Error	LOGISTIC		ModelSelection	NONE		SuppressOutput	N	
ExcludedVariable	REJECT		OptimizationTechnique	DEFAULT		Terms	N	
FConvTimes	1		Performance	N		TwoFactor	N	
FConvValue	0		Polynomial	N				

Node=Interactive Regression Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

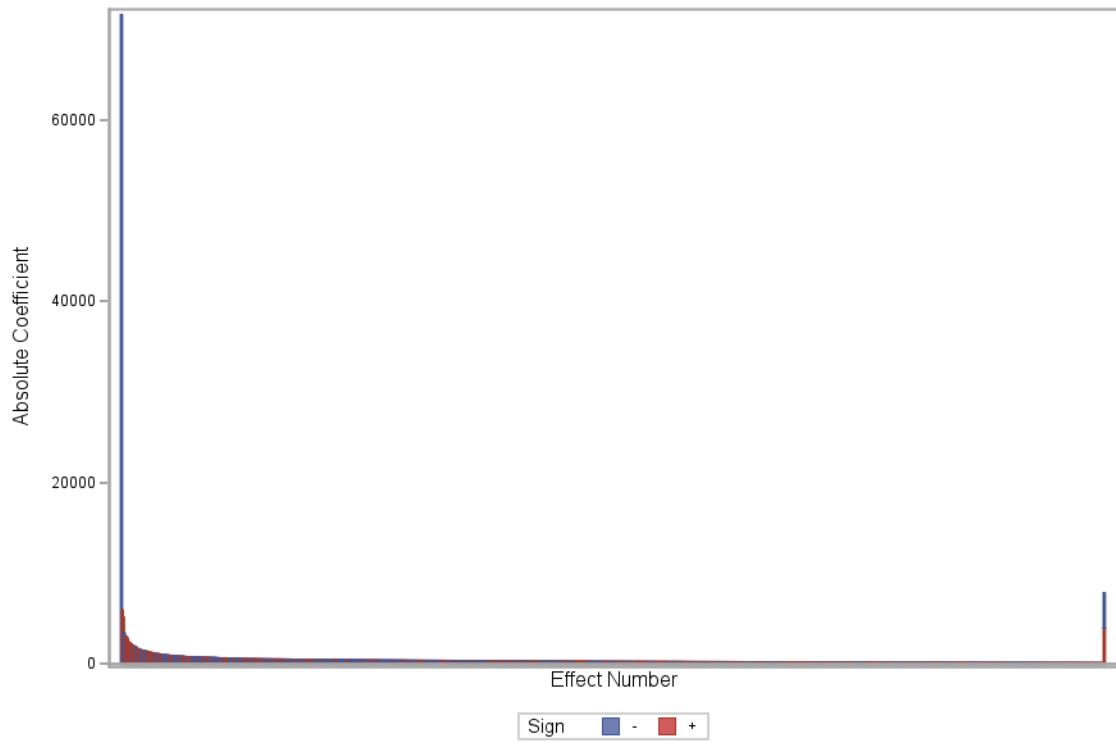
Node=Interactive Regression Model Fit Statistics

Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Akaike's Information Criterion	42294.81	.	.
Average Squared Error	250797.04	6764006.60	11177864.64
Average Error Function	250797.04	6764006.60	11177864.64
Degrees of Freedom for Error	1930.00	.	.
Model Degrees of Freedom	1268.00	.	.
Total Degrees of Freedom	3198.00	.	.
Divisor for ASE	3198.00	2399.00	2398.00
Error Function	802048931.55	16226851841.52	26804519401.20
Final Prediction Error	580341.75	.	.
Maximum Absolute Error	17077.41	71882.20	73028.74
Mean Square Error	415569.39	6764006.60	11177864.64
Sum of Frequencies	3198.00	2399.00	2398.00
Number of Estimate Weights	1268.00	.	.
Root Average Sum of Squares	500.80	2600.77	3343.33
Root Final Prediction Error	761.80	.	.
Root Mean Squared Error	644.65	2600.77	3343.33
Schwarz's Bayesian Criterion	49991.93	.	.
Sum of Squared Errors	802048931.55	16226851841.52	26804519401.20
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00

SAS Enterprise Miner Report

Node=Interactive Regression
Regression Model Effects



Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
1	Customer_Name	DARIO_MEDINA	-71631.60	-0.3267	0.74394	635	Customer_Name	TONJA_TURNELL	156.138	0.4168	0.67686
2	City	PASCO	5878.55	0.9647	0.33483	636	City	CLEVELAND	-155.645	-0.2699	0.78725
3	Customer_Name	SEAN_MILLER	5099.42	10.9665	0.00000	637	City	MERIDEN	-155.642	-0.2140	0.83055
4	Postal_Code	28110	-3343.41	-4.7738	0.00000	638	Customer_Name	JANET_MOLINARI	155.324	0.3777	0.70568
5	City	POMONA	-2959.05	-3.0940	0.00200	639	City	OCEANSIDE	-155.061	-0.2358	0.81358
6	Customer_Name	SANDRA_FLANAGAN	2950.99	2.7663	0.00572	640	Customer_Name	GARY_MITCHUM	154.825	0.1865	0.85206
7	Customer_Name	CINDY_STEWART	2781.93	5.1402	0.00000	641	City	SAINT_CLOUD	-154.208	-0.2992	0.76484
8	Postal_Code	8701	2447.39	3.0845	0.00207	642	Postal_Code	29501	154.154	0.1853	0.85301
9	City	AMARILLO	2286.41	2.5180	0.01188	643	City	EL_PASO	-153.760	-0.2449	0.80656
10	Postal_Code	27217	2224.15	2.5122	0.01208	644	City	SAN_ANTONIO	-153.628	-0.2690	0.78798
11	Customer_Name	JILL_MATTHIAS	2136.89	3.2268	0.00127	645	City	URBANDALE	-153.549	-0.2092	0.83431
12	City	LAKEWOOD	-1982.45	-2.1923	0.02847	646	City	CLARKSVILLE	153.530	0.1877	0.85111
13	Sub_Category	MACHINES	1935.40	14.1535	0.00000	647	Customer_Name	BILL_DONATELLI	153.355	0.3315	0.74028
14	Customer_Name	SHARELLE_ROACH	1899.75	3.1966	0.00141	648	City	CHESTER	-153.261	-0.2252	0.82181
15	Customer_Name	TOM_ASHBROOK	1843.59	3.7774	0.00016	649	Customer_Name	MAX_ENGLE	152.826	0.3611	0.71810
16	City	OLATHE	-1783.80	-2.3490	0.01892	650	City	LITTLE_ROCK	-152.407	-0.2246	0.82228
17	Customer_Name	JESSICA_MYRICK	1607.90	1.5783	0.11465	651	Customer_Name	BECKY_MARTIN	152.235	0.3305	0.74108
18	Postal_Code	29203	-1597.83	-2.2801	0.02271	652	Customer_Name	BART_WATTERS	151.835	0.2901	0.77180
19	Postal_Code	44107	1583.00	2.0079	0.04479	653	Customer_Name	ANN_BLUME	151.555	0.1992	0.84214
20	Postal_Code	26003	1519.28	1.4316	0.15241	654	Customer_Name	ALEJANDRO_BALLENTIN	-150.165	-0.3693	0.71191
21	Postal_Code	21044	-1488.36	-2.3356	0.01962	655	Customer_Name	PETER_B_HLER	149.292	0.2071	0.83594
22	Postal_Code	05408	1384.91	1.6623	0.09661	656	Customer_Name	IVAN_GIBSON	148.906	0.3169	0.75135
23	City	DUBLIN	-1380.84	-1.5963	0.11059	657	City	WILSON	-148.714	-0.1586	0.87404
24	Customer_Name	SCOT_CORAM	1375.45	2.2051	0.02756	658	Customer_Name	CARI_SCHNELLING	148.394	0.2527	0.80051
25	City	THOMASVILLE	-1368.09	-1.9540	0.05085	659	City	HACKENSACK	-148.177	-0.1634	0.87021
26	City	WHEELING	-1362.29	-1.4710	0.14146	660	Customer_Name	MIKE_KENNEDY	-148.133	-0.2671	0.78946
27	City	COLUMBIA	1305.75	1.6379	0.10160	661	City	COLORADO_SPRINGS	-147.847	-0.2194	0.82638
28	City	EDINBURG	-1297.18	-1.2822	0.19992	662	Customer_Name	EUGENE_BARCHAS	147.497	0.2660	0.79030
29	Customer_Name	SANJIT_ENGLE	1262.15	2.6183	0.00891	663	City	GARDEN_CITY	-147.276	-0.1647	0.86923
30	Customer_Name	CORINNA_MITCHELL	1247.91	1.7303	0.08374	664	City	BOYNTON_BEACH	-147.104	-0.2047	0.83782
31	City	EUGENE	1175.04	1.0369	0.29990	665	Customer_Name	GEORGIA_ROSENBERG	146.906	0.1916	0.84810
32	Postal_Code	43130	1168.56	2.3362	0.01958	666	City	DECATUR	-146.567	-0.2376	0.81219
33	Postal_Code	43017	1155.01	1.4192	0.15601	667	Customer_Name	KAREN_CARLISLE	-145.973	-0.2279	0.81978
34	Customer_Name	JAMES_LANIER	-1093.37	-1.5313	0.12585	668	Customer_Name	MATTHEW_CLASEN	145.355	0.3148	0.75295
35	Customer_Name	ANDY_REITER	1087.09	2.1105	0.03494	669	Customer_Name	TRUDY_SCHMIDT	-144.883	-0.2905	0.77147
36	Customer_Name	BARRY_POND	-1069.08	-1.8531	0.06402	670	Customer_Name	PHILIP_FOX	144.139	0.2535	0.79987
37	Customer_Name	NATALIE_FRITZLER	1063.19	1.3567	0.17502	671	Postal_Code	90036	144.016	0.7768	0.43740
38	Customer_Name	TRACY_PODDAR	-1060.43	-1.1322	0.25769	672	Customer_Name	SCOTT_WILLIAMSON	144.011	0.1999	0.84160

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

34

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
39	Sub_Category	COPIERS	1058.93	5.1052	0.00000	673	City	WILMINGTON	-143.050	-0.1781	0.85864
40	Customer_Name	BARRY_GONZALEZ	992.11	1.7991	0.07216	674	Postal_Code	23223	142.762	0.3099	0.75670
41	City	LOWELL	-972.54	-1.2516	0.21087	675	Customer_Name	ERICA_BERN	-142.528	-0.1400	0.88869
42	Customer_Name	LUKE_WEISS	957.15	2.0970	0.03613	676	Customer_Name	GREG_GUTHRIE	142.334	0.3202	0.74884
43	Customer_Name	COREY_LOCK	-943.70	-1.6224	0.10489	677	Customer_Name	PARHENA_NORRIS	-142.136	-0.2796	0.77980
44	Customer_Name	HELEN_WASSERMAN	942.60	1.2456	0.21305	678	Customer_Name	JAY_FEIN	142.087	0.3218	0.74761
45	City	PALM_COAST	-939.45	-0.9585	0.33794	679	City	SANTA_ANA	-142.032	-0.2325	0.81616
46	Customer_Name	ALEKSANDRA_GANNAWAY	-933.71	-1.0539	0.29204	680	Customer_Name	BRYAN_SPRUELL	141.945	0.3138	0.75370
47	City	SAINT_PAUL	-923.54	-1.0184	0.30860	681	Customer_Name	BILL_EPLETT	141.552	0.2891	0.77257
48	City	WAUSAU	-910.85	-0.9832	0.32564	682	Customer_Name	PAUL_PROST	140.625	0.3700	0.71139
49	City	MISSOURI_CITY	-900.52	-0.8674	0.38582	683	Customer_Name	SCOTT_COHEN	139.881	0.3387	0.73485
50	City	MINNEAPOLIS	871.91	1.2904	0.19705	684	Customer_Name	CRAIG_LESLIE	139.513	0.2722	0.78551
51	Customer_Name	KEN_LONSDALE	867.38	2.3532	0.01871	685	City	DANVILLE	139.091	0.1646	0.86926
52	Customer_Name	SANJIT_CHAND	847.14	1.6738	0.09433	686	Customer_Name	PATRICK_JONES	139.066	0.2873	0.77388
53	City	SAN_ANGELO	-845.44	-1.0955	0.27344	687	City	HAMILTON	138.968	0.1791	0.85791
54	Customer_Name	CHRISTOPHER_MARTINE	844.27	1.8639	0.06249	688	Customer_Name	NARESJ_PATEL	138.550	0.3285	0.74259
55	Customer_Name	SEAN_O_DONNELL	-835.35	-1.2835	0.19948	689	Customer_Name	CHARLES_MCCROSSIN	138.120	0.2665	0.78990
56	City	PALATINE	-824.54	-0.8246	0.40969	690	Customer_Name	FILIA_MCADAMS	138.043	0.3185	0.75015
57	City	LITTLETON	-824.05	-0.8065	0.42005	691	City	PEMBROKE_PINES	-137.889	-0.1952	0.84527
58	City	WEST_JORDAN	-816.77	-1.0026	0.31616	692	Customer_Name	ARTHUR_GAINER	136.023	0.3243	0.74577
59	City	JAMESTOWN	803.19	1.0908	0.27549	693	Customer_Name	MONICA_FEDERLE	135.211	0.2443	0.80701
60	City	HAMPTON	-797.92	-1.0282	0.30399	694	Customer_Name	CHARLOTTE_MELTON	135.130	0.1849	0.85329
61	City	BUFFALO	797.33	1.1633	0.24485	695	Customer_Name	MICHAEL_GRACE	135.095	0.2364	0.81311
62	Customer_Name	NICOLE_FJELD	-789.99	-1.5324	0.12558	696	Customer_Name	NEOLA_SCHNEIDER	133.718	0.2916	0.77065
63	Customer_Name	JOHN_DRYER	-787.20	-1.5851	0.11312	697	Customer_Name	MAYA_HERMAN	133.625	0.2705	0.78684
64	Customer_Name	ANNA_GAYMAN	772.96	1.6392	0.10132	698	Customer_Name	MATT_HAGELSTEIN	133.613	0.2429	0.80813
65	City	TALLAHASSEE	738.87	1.1068	0.26853	699	Sub_Category	BOOKCASES	-133.232	-0.5880	0.55662
66	City	GREELEY	735.93	0.8059	0.42042	700	Customer_Name	PETER_FULLER	133.083	0.2890	0.77261
67	City	CHATTANOOGA	-731.36	-1.0082	0.31349	701	Customer_Name	DAN_LAWERA	132.900	0.2342	0.81485
68	City	ALLEN	-724.85	-0.9537	0.34034	702	Customer_Name	DAVID_BREMER	-132.831	-0.2687	0.78817
69	Customer_Name	MARIBETH_SCHNELLING	719.15	1.4823	0.13842	703	Postal_Code	33142	132.811	0.2999	0.76426
70	Customer_Name	THEA_HENDRICKS	717.35	1.1011	0.27101	704	City	GAITHERSBURG	-132.258	-0.1376	0.89054
71	Customer_Name	DIONIS_LLOYD	716.86	1.5322	0.12565	705	Customer_Name	ANDY_YOTOV	131.021	0.2612	0.79399
72	Postal_Code	40214	-709.78	-1.1030	0.27017	706	Customer_Name	GARY_HANSEN	130.848	0.3205	0.74865
73	City	LUBBOCK	-709.27	-0.9456	0.34445	707	City	LAS_CRUCES	-130.821	-0.1482	0.88222
74	Customer_Name	RAYMOND_BUCH	705.26	1.7014	0.08904	708	Customer_Name	ANDREW_GJERTSEN	130.801	0.3512	0.72546
75	City	MANSFIELD	-703.56	-0.7862	0.43186	709	Customer_Name	NANCY_LOMONACO	-130.089	-0.2354	0.81389
76	City	BRYAN	-701.63	-0.9576	0.33840	710	Customer_Name	CAROL_DARLEY	-130.068	-0.1802	0.85699
77	City	BALTIMORE	-701.20	-1.1068	0.26852	711	Customer_Name	ADAM_SHILLINGSBURG	129.788	0.3541	0.72328
78	Customer_Name	DENISE_LEINENBACH	-688.12	-0.9369	0.34895	712	Customer_Name	KEAN_TAKAHITO	129.624	0.2827	0.77744
79	Customer_Name	JOHN_MURRAY	686.02	1.5874	0.11258	713	City	PHILADELPHIA	-128.640	-0.2339	0.81508
80	Customer_Name	THERESA_COYNE	-673.05	-1.1678	0.24305	714	City	ATLANTIC_CITY	128.441	0.1198	0.90463
81	City	COLLEGE_STATION	-672.58	-0.7224	0.47011	715	Customer_Name	ERIC_MURDOCK	128.315	0.2153	0.82956
82	City	BEDFORD	-671.17	-0.8442	0.39868	716	Customer_Name	STEWART_VISINSKY	-128.228	-0.2887	0.77281
83	Customer_Name	SUNG_CHUNG	-670.82	-0.9737	0.33032	717	Customer_Name	ED_BRAXTON	128.203	0.2858	0.77507
84	Customer_Name	RICK_HANSEN	667.77	0.9236	0.35579	718	Customer_Name	LOGAN_HAUSHALTER	128.174	0.2963	0.76706
85	Customer_Name	ANEMONE_RATNER	660.90	0.9041	0.36606	719	Customer_Name	AARON_BERGMAN	127.893	0.1765	0.85989
86	City	BURLINGTON	-660.26	-0.7405	0.45908	720	Customer_Name	CARLOS_MEADOR	-127.719	-0.2183	0.82724
87	Customer_Name	ADRIAN_BARTON	659.63	1.7046	0.08843	721	City	ANDOVER	-127.488	-0.1699	0.86509
88	City	VISALIA	-649.57	-0.8291	0.40712	722	Customer_Name	RALPH_RITTER	127.314	0.2137	0.83077
89	City	PHARR	648.28	0.7889	0.43027	723	Customer_Name	BRIAN_STUGART	127.290	0.2567	0.79747
90	Postal_Code	2038	647.38	1.0159	0.30982	724	Customer_Name	SARAH_BROWN	127.081	0.2266	0.82079
91	Sub_Category	FURNISHINGS	-641.96	-2.9435	0.00328	725	Postal_Code	55113	126.303	0.1577	0.87470
92	Customer_Name	BILL_SHONEY	636.94	1.3336	0.18248	726	Customer_Name	DOROTHY_DICKINSON	126.197	0.2279	0.81978
93	City	WOONSOCKET	-636.39	-0.9303	0.35235	727	Customer_Name	MICHAEL_PAIGE	-126.009	-0.2735	0.78450
94	City	ENCINITAS	-631.88	-0.6679	0.50429	728	Customer_Name	JIM_EPP	125.824	0.3103	0.75639
95	City	NAPERVILLE	-627.79	-0.8085	0.41892	729	Customer_Name	BRENDAN_SWEEDE	-125.565	-0.1740	0.86191
96	City	COPPELL	623.42	0.7703	0.44123	730	City	DUBUQUE	-125.248	-0.1820	0.85560
97	City	LINCOLN_PARK	-618.10	-0.5748	0.56551	731	Customer_Name	SHERI_GORDON	124.648	0.2427	0.80826
98	City	CONWAY	-606.70	-0.6275	0.53043	732	Customer_Name	BROSINA_HOFFMAN	124.584	0.2911	0.77101
99	Customer_Name	FRED_WASSERMAN	-594.75	-0.5667	0.57098	733	Customer_Name	ART_FERGUSON	124.531	0.2190	0.82669
100	City	SAN_JOSE	-593.04	-0.9349	0.34996	734	Customer_Name	RALPH_ARNETT	-123.868	-0.3021	0.76261
101	City	SANDY_SPRINGS	-583.12	-0.9002	0.36811	735	City	NEW_ROCHELLE	-123.847	-0.1819	0.85572
102	Customer_Name	JUSTIN_DEGSELLER	582.15	1.2793	0.20095	736	Customer_Name	MARIA_ETEZADI	123.783	0.2912	0.77096
103	City	MESQUITE	-577.28	-0.7627	0.44572	737	City	LEAGUE_CITY	-123.674	-0.1746	0.86144
104	Customer_Name	KAREN_FERGUSON	576.77	1.2943	0.19570	738	Customer_Name	CHRISTINA_ANDERSON	123.587	0.2400	0.81036
105	Customer_Name	ANTHONY_JACOBS	576.03	0.9858	0.32438	739	Customer_Name	BRADLEY_NGUYEN	-123.561	-0.2665	0.78987
106	Customer_Name	CHRISTINE_KARGATIS	-575.82	-0.4451	0.65628	740	Customer_Name	LIZ_PELLETIER	123.377	0.2546	0.79905

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

35

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
107	City	LOUISVILLE	575.60	0.8437	0.39897	741	Customer_Name	JENNIFER_JACKSON	123.317	0.2538	0.79966
108	Customer_Name	ROY_SKARIA	574.47	0.5702	0.56860	742	City	LAKEVILLE	122.534	0.1673	0.86714
109	Customer_Name	LIZ_PREIS	560.57	1.1382	0.25516	743	Customer_Name	XYLONA_PREIS	121.879	0.3141	0.75351
110	Customer_Name	ROB_HABERLIN	557.65	0.7117	0.47672	744	Postal_Code	44240	121.842	0.1284	0.89784
111	City	OAK_PARK	-554.86	-0.6305	0.52847	745	Sub_Category	APPLIANCES	-121.781	-1.0334	0.30157
112	City	BUFFALO_GROVE	-552.12	-0.5747	0.56556	746	Customer_Name	ARIANNE_IRVING	-121.716	-0.2560	0.79799
113	Customer_Name	MICK_HERNANDEZ	-550.22	-1.0732	0.28331	747	Customer_Name	PAMELA_COAKLEY	-121.528	-0.1926	0.84726
114	Customer_Name	JULIE_CREIGHTON	-550.22	-1.0783	0.28102	748	Postal_Code	94110	-121.462	-0.7527	0.45171
115	Postal_Code	35810	549.16	0.6530	0.51386	749	Customer_Name	HUNTER_GLANTZ	-121.223	-0.1721	0.86340
116	Customer_Name	MUHAMMED_MACINTYRE	543.11	0.7399	0.45948	750	Customer_Name	ROY_PHAN	121.132	0.2436	0.80756
117	City	BANGOR	-539.10	-0.5841	0.55922	751	Customer_Name	CLAUDIA_BERGMANN	-121.069	-0.2700	0.78718
118	Customer_Name	JONI_SUNDARESAM	-529.52	-0.9322	0.35137	752	Customer_Name	KELLY_ANDREADA	120.250	0.2472	0.80478
119	City	TRENTON	-526.55	-0.8070	0.41976	753	City	FRANKLIN	-119.771	-0.1830	0.85481
120	City	MANTECA	-522.37	-0.5798	0.56214	754	City	EAGAN	-119.695	-0.1848	0.85344
121	Customer_Name	JIM_RADFORD	520.63	0.8042	0.42137	755	Customer_Name	DAN_CAMPBELL	-119.458	-0.2307	0.81759
122	Customer_Name	QUINCY_JONES	519.63	1.1320	0.25778	756	Customer_Name	JESUS_OCAMPO	119.433	0.2540	0.79951
123	City	LAGUNA_NIGUEL	-519.23	-0.7506	0.45297	757	Customer_Name	JIM_MITCHUM	-119.396	-0.2220	0.82437
124	Customer_Name	JENNIFER_HALLADAY	-516.99	-0.9627	0.33583	758	Customer_Name	COREY_CATLETT	119.378	0.2414	0.80925
125	Customer_Name	BILL_OVERFELT	-513.77	-1.1461	0.25191	759	Customer_Name	STEPHANIE_PHELPS	119.201	0.2489	0.80348
126	City	ROUND_ROCK	511.53	0.5769	0.56405	760	Customer_Name	DAVE_HALLSTEN	-118.736	-0.2656	0.79061
127	City	MURFREESBORO	-503.31	-0.5716	0.56768	761	City	REVERE	-118.509	-0.1302	0.89640
128	Postal_Code	50315	503.18	0.5870	0.55724	762	Customer_Name	ARTHUR_PRICHEP	118.449	0.2936	0.76912
129	Customer_Name	CHRISTINE_PHAN	501.15	1.1967	0.23156	763	Customer_Name	KATHERINE_MURRAY	118.109	0.2464	0.80539
130	City	BROKEN_ARROW	500.27	0.5545	0.57933	764	Customer_Name	PAULINE_JOHNSON	118.032	0.2512	0.80165
131	City	SAN_MARCOS	-499.13	-0.6178	0.53681	765	Customer_Name	JENNIFER_BRAXTON	117.972	0.2268	0.82061
132	Customer_Name	KAREN_DANIELS	498.83	1.3011	0.19339	766	Customer_Name	TANJA_NORVELL	117.726	0.2629	0.79268
133	Postal_Code	31907	-498.04	-1.3740	0.16959	767	City	SAINT_CHARLES	117.549	0.1557	0.87627
134	City	SUNNYVALE	-497.76	-0.6893	0.49070	768	Customer_Name	LIZ_CARLISLE	117.413	0.1579	0.87456
135	Customer_Name	PATRICK_O_BRILL	496.62	1.1876	0.23514	769	Customer_Name	NATHAN_GELDER	117.256	0.2979	0.76578
136	City	TIGARD	494.47	0.7267	0.46747	770	Customer_Name	DUANE_HUFFMAN	-117.232	-0.1907	0.84877
137	City	PROVO	-493.99	-0.6321	0.52737	771	Customer_Name	BROOKE_GILLINGHAM	117.016	0.2392	0.81096
138	Customer_Name	BRADLEY_DRUCKER	493.71	0.6754	0.49948	772	Customer_Name	HELEN_ABELMAN	116.741	0.2091	0.83441
139	Customer_Name	ALEJANDRO_SAVELY	484.69	0.7834	0.43348	773	Customer_Name	MAGDELENE_MORSE	116.631	0.1687	0.86608
140	Customer_Name	LIZ_MACKENDRICK	-482.88	-0.5264	0.59865	774	City	OAKLAND	-116.515	-0.1994	0.84194
141	Customer_Name	CRAIG_YEDWAB	481.34	0.8579	0.39103	775	Customer_Name	ALICE_MCCARTHY	-116.243	-0.2222	0.82421
142	Customer_Name	GRANT_THORNTON	480.15	0.8224	0.41094	776	City	REDONDO_BEACH	-116.226	-0.1446	0.88501
143	City	ARLINGTON_HEIGHTS	475.88	0.4560	0.64843	777	Customer_Name	TIFFANY_HOUSE	116.226	0.2572	0.79708
144	Customer_Name	MAUREEN_FRITZLER	475.12	0.9446	0.34498	778	Customer_Name	VALERIE_DOMINGUEZ	115.483	0.2544	0.79922
145	City	FRANKFORT	-473.87	-0.5925	0.55357	779	Customer_Name	EUDOKIA_MARTIN	115.433	0.2055	0.83718
146	City	YONKERS	-473.24	-0.7405	0.45912	780	City	JACKSONVILLE	115.104	0.2031	0.83907
147	City	RENO	472.74	0.5770	0.56403	781	City	OMAHA	-115.090	-0.1796	0.85750
148	City	SANTA_CLARA	-468.12	-0.5155	0.60624	782	Customer_Name	ROY_COLLINS	115.017	0.2409	0.80965
149	City	LA_CROSSE	-467.26	-0.5206	0.60271	783	Customer_Name	JOHN_GRADY	114.730	0.2366	0.81301
150	Customer_Name	CINDY_CHAPMAN	-466.61	-1.0372	0.29976	784	Customer_Name	DUANE_NOONAN	114.646	0.2455	0.80610
151	Customer_Name	MICHELLE_LONSDALE	466.56	0.6899	0.49034	785	Customer_Name	DEAN_PERCER	113.962	0.2457	0.80597
152	City	DES_MOINES	-465.08	-0.5103	0.60991	786	City	WOODBURY	-113.875	-0.1489	0.88165
153	Customer_Name	LENA_CREIGHTON	464.64	1.0912	0.27532	787	Customer_Name	ANTHONY_RAWLES	113.727	0.2201	0.82584
154	City	MODESTO	-463.35	-0.5230	0.60101	788	City	BOISE	-113.394	-0.1295	0.89700
155	City	NEW_ALBANY	-463.09	-0.4321	0.66570	789	Customer_Name	KATHERINE_DUCICH	-112.922	-0.2237	0.82298
156	Customer_Name	SUE_ANN_REED	462.99	1.0073	0.31390	790	Customer_Name	BRIAN_DERR	112.895	0.1805	0.85680
157	Customer_Name	CAROLINE_JUMPER	460.86	1.0841	0.27847	791	Customer_Name	TOM_PRESCOTT	-112.667	-0.2135	0.83096
158	City	ELKHART	-459.96	-0.5063	0.61267	792	City	COSTA_MESA	-112.657	-0.1511	0.87992
159	Customer_Name	JUSTIN_ELLISON	-459.25	-0.5677	0.57031	793	Customer_Name	GREG_MATTHIAS	112.522	0.2049	0.83766
160	Customer_Name	AMY_COX	456.70	0.7945	0.42702	794	City	MISSION_VIEJO	-112.187	-0.1146	0.90875
161	Intercept'		456.38	0.5057	0.61311	795	City	WOODSTOCK	-111.691	-0.1230	0.90211
162	Customer_Name	PIERRE_WENER	-456.24	-0.7519	0.45223	796	Customer_Name	CYMA_KINNEY	-111.396	-0.2736	0.78443
163	City	HOT_SPRINGS	454.33	0.3767	0.70645	797	Customer_Name	MEG_O_CONNEL	-111.203	-0.2625	0.79294
164	Customer_Name	GREG_TRAN	452.84	1.2178	0.22344	798	Postal_Code	17602	111.137	0.2007	0.84096
165	Customer_Name	KALYCA_MEADE	452.09	0.9615	0.33640	799	Customer_Name	PHILIP_BROWN	110.881	0.2470	0.80495
166	Customer_Name	THOMAS_SEIO	450.84	1.0703	0.28460	800	Customer_Name	RICARDO_SPERRN	110.777	0.2065	0.83640
167	City	DEARBORN	-449.62	-0.5575	0.57728	801	Customer_Name	SHIRLEY_SCHMIDT	110.501	0.1819	0.85571
168	City	QUINCY	-447.66	-0.6329	0.52687	802	Customer_Name	STEWART_CARMICHAEL	-110.324	-0.2839	0.77653
169	City	GREENSBORO	-447.57	-0.4747	0.63506	803	Customer_Name	ROBERT_DILBECK	-109.442	-0.1945	0.84581
170	Customer_Name	FRANK_ATKINSON	-445.44	-1.0350	0.30081	804	Postal_Code	48066	109.228	0.1625	0.87090
171	Customer_Name	FRANK_MERWIN	444.54	1.0178	0.30891	805	City	CHARLOTTESVILLE	-108.992	-0.1258	0.89989
172	City	DAYTONA_BEACH	-442.56	-0.5038	0.61445	806	Customer_Name	SALLY_KNUTSON	108.825	0.1807	0.85660
173	Customer_Name	BART_FOLK	441.73	0.6892	0.49079	807	City	HOOVER	-108.515	-0.1581	0.87437
174	City	MELBOURNE	-440.98	-0.4983	0.61832	808	Customer_Name	ROLAND_SCHWARZ	-108.342	-0.1493	0.88130

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

36

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
175	Customer_Name	LARRY_BLACKS	-440.04	-0.7463	0.45561	809	Customer_Name	DARREN_KOUTRAS	-107.866	-0.2076	0.83560
176	Customer_Name	LINDA_CAZAMIAS	439.62	0.7732	0.43950	810	Customer_Name	RICHARD_EICHHORN	-107.547	-0.2006	0.84103
177	City	CINCINNATI	-437.71	-0.7132	0.47579	811	Customer_Name	HENIA_ZYDLO	107.397	0.2255	0.82162
178	Postal_Code	28314	-437.21	-0.8440	0.39877	812	Customer_Name	ANNIE_ZYPERN	107.384	0.2194	0.82636
179	Customer_Name	MICHAEL_DOMINGUEZ	436.78	0.7102	0.47764	813	City	INGLEWOOD	-106.467	-0.1607	0.87234
180	Postal_Code	47905	-434.22	-0.7878	0.43091	814	City	COON_RAPIDS	106.325	0.1175	0.90648
181	City	MARION	-434.11	-0.5190	0.60379	815	City	SMYRNA	-105.852	-0.1461	0.88383
182	Postal_Code	33178	-433.13	-0.7338	0.46317	816	Customer_Name	LISA_RYAN	105.677	0.2367	0.81291
183	City	HOLYOKE	-432.32	-0.4946	0.62096	817	Customer_Name	SHAHID_HOPKINS	105.566	0.2451	0.80639
184	Customer_Name	BETH_FRITZLER	431.88	0.5913	0.55440	818	Customer_Name	ANNE_PRYOR	-105.438	-0.2038	0.83850
185	City	TORRANCE	431.60	0.5690	0.56940	819	Customer_Name	SHAUN_CHANCE	-105.307	-0.2095	0.83410
186	City	PORTLAND	-428.53	-0.6721	0.50157	820	City	WEST_PALM_BEACH	-105.247	-0.1370	0.89108
187	City	CRANSTON	-426.78	-0.5533	0.58013	821	Customer_Name	NICK_ZANDUSKY	105.228	0.2218	0.82453
188	City	ORMOND_BEACH	-424.62	-0.3964	0.69184	822	Customer_Name	JONI_BLUMSTEIN	105.036	0.1511	0.87992
189	Customer_Name	SYLVIA_FOULSTON	424.45	0.8983	0.36912	823	Customer_Name	KEN_HEIDEL	-104.825	-0.2465	0.80533
190	City	LAWRENCE	-421.86	-0.5011	0.61638	824	City	TAMARAC	-103.592	-0.1098	0.91258
191	City	HENDERSON	421.10	0.4341	0.66425	825	Customer_Name	DENNIS_PARDUE	103.417	0.2457	0.80593
192	Customer_Name	LINDSAY_SHAGIARI	420.76	0.9703	0.33202	826	Customer_Name	MATTHEW_GRINSTEIN	103.190	0.1513	0.87977
193	City	CORPUS_CHRISTI	-420.45	-0.5838	0.55942	827	City	FAIRFIELD	103.142	0.1136	0.90954
194	Postal_Code	28027	416.45	0.4900	0.62421	828	Customer_Name	JOY_SMITH	103.053	0.2028	0.83929
195	Customer_Name	KRISTEN_HASTINGS	415.44	0.6877	0.49170	829	Customer_Name	JIM_KRIZ	102.962	0.2283	0.81946
196	Customer_Name	THERESA_SWINT	414.59	0.7842	0.43304	830	Customer_Name	ROGER_DEMIR	102.717	0.2604	0.79459
197	City	MEDINA	-414.09	-0.6166	0.53757	831	Postal_Code	90032	102.513	0.5139	0.60739
198	Customer_Name	ANTHONY_O_DONNELL	-411.59	-0.5678	0.57023	832	City	LAKELAND	-102.508	-0.1680	0.86658
199	City	FREEPORT	-410.03	-0.4400	0.65998	833	City	PORT_ARTHUR	-102.468	-0.1387	0.88968
200	City	MEDFORD	409.45	0.4303	0.66704	834	Customer_Name	SARAH_BERN	102.178	0.1850	0.85326
201	City	REDMOND	-409.33	-0.5778	0.56346	835	City	NIAGARA_FALLS	-101.784	-0.1481	0.88229
202	City	BEAUMONT	-405.91	-0.4530	0.65058	836	City	MILFORD	-101.668	-0.1426	0.88661
203	City	HESPERIA	-405.65	-0.4512	0.65188	837	Customer_Name	ERIN_MULL	101.415	0.1816	0.85595
204	Customer_Name	GUY_THORNTON	403.31	0.5540	0.57963	838	City	HALTOM_CITY	-101.351	-0.1132	0.90988
205	Customer_Name	BOBBY_TRAFTON	402.92	0.6326	0.52706	839	City	EAST_POINT	101.289	0.0833	0.93365
206	City	ONTARIO	-401.42	-0.4349	0.66367	840	Postal_Code	60505	100.556	0.2936	0.76906
207	City	BETHLEHEM	-399.71	-0.5182	0.60438	841	City	ATHENS	-100.452	-0.1459	0.88405
208	City	CLOVIS	-399.27	-0.5001	0.61708	842	City	GRESHAM	-100.291	-0.1342	0.89327
209	Postal_Code	12180	-399.05	-0.6692	0.50346	843	Customer_Name	VALERIE_MITCHUM	99.886	0.2130	0.83132
210	Customer_Name	EVA_JACOBS	-398.44	-0.6537	0.51336	844	City	CARROLLTON	-98.914	-0.1436	0.88581
211	City	SPOKANE	-398.42	-0.4869	0.62636	845	City	PUEBLO	-98.313	-0.1065	0.91522
212	Customer_Name	CLAIRE_GUTE	-394.81	-0.5283	0.59734	846	Customer_Name	BETH_PAIGE	-98.050	-0.2351	0.81413
213	Customer_Name	MICHAEL_NGUYEN	394.78	0.6786	0.49750	847	City	LOGAN	-97.925	-0.1076	0.91430
214	Sub_Category	FASTENERS	-393.91	-2.8768	0.00406	848	Customer_Name	ADAM_BELLAVANCE	97.660	0.2358	0.81362
215	City	EL_CAJON	-392.86	-0.4395	0.66037	849	Customer_Name	SEAN_WENDT	96.652	0.1704	0.86475
216	City	WATERTOWN	392.51	0.4823	0.62961	850	Postal_Code	10024	95.907	0.7190	0.47226
217	City	NEW_CASTLE	-391.64	-0.3958	0.69230	851	Customer_Name	RACHEL_PAYNE	95.789	0.2345	0.81459
218	City	WICHITA	-390.71	-0.4249	0.67094	852	City	RANCHO_CUCAMONGA	-95.251	-0.1307	0.89602
219	Customer_Name	ROLAND_FJELD	390.62	0.7796	0.43573	853	City	NASHVILLE	94.886	0.1524	0.87888
220	Customer_Name	MICHAEL_CHEN	390.18	0.8662	0.38647	854	Customer_Name	ALEX_AVILA	94.003	0.1704	0.86471
221	City	DRAPER	-389.99	-0.4256	0.67047	855	Customer_Name	ALLEN_ROSENBLATT	-93.746	-0.1804	0.85685
222	Customer_Name	ERICA_SMITH	387.28	0.8708	0.38400	856	Customer_Name	LOGAN_CURRIE	93.707	0.2102	0.83356
223	City	TUSCALOOSA	-385.79	-0.4347	0.66385	857	Postal_Code	3301	93.238	0.1276	0.89849
224	City	LA PORTE	-385.26	-0.4231	0.67226	858	City	NEW_BRUNSWICK	92.894	0.1064	0.91525
225	City	MORGAN_HILL	-384.30	-0.5126	0.60830	859	Customer_Name	SALLY_HUGHSBY	92.696	0.2118	0.83228
226	City	TEXAS_CITY	-384.11	-0.5569	0.57766	860	Customer_Name	NONA_BALK	92.694	0.2464	0.80543
227	Customer_Name	NATALIE_WEBBER	-382.87	-1.0206	0.30755	861	Customer_Name	NOEL_STAAVOS	92.142	0.2407	0.80981
228	City	YORK	-382.35	-0.4989	0.61792	862	Customer_Name	DEBORAH_BRUMFIELD	-92.054	-0.1958	0.84478
229	Customer_Name	DANA_KAYDOS	-381.75	-0.7508	0.45288	863	City	CHAPEL_HILL	92.050	0.1020	0.91878
230	City	CHAMPAIGN	-381.15	-0.4250	0.67087	864	Customer_Name	BRUCE_DEGENHARDT	-91.724	-0.1561	0.87597
231	Customer_Name	SHAHID_SHARIARI	379.36	0.6975	0.48558	865	Postal_Code	11520	91.308	0.1072	0.91461
232	Customer_Name	CHUCK_SACHS	379.17	0.7704	0.44116	866	Customer_Name	DAVID_SMITH	91.126	0.2285	0.81930
233	Customer_Name	VICTORIA_BRENNAN	378.53	0.5204	0.60284	867	Customer_Name	ADRIAN_HANE	-91.053	-0.2191	0.82661
234	Customer_Name	SUSAN_GILCREST	-377.20	-0.4769	0.63347	868	Customer_Name	ANGELE_HOOD	90.250	0.1251	0.90048
235	City	REDWOOD_CITY	-377.01	-0.4113	0.68089	869	Customer_Name	JUSTIN_RITTER	-90.244	-0.1156	0.90794
236	City	WARNER_ROBINS	-376.72	-0.3543	0.72318	870	Customer_Name	ASTREA_JONES	-90.224	-0.1257	0.90001
237	Customer_Name	SAM_CRAVEN	-375.70	-0.7430	0.45754	871	City	PATERSON	-89.996	-0.1485	0.88196
238	City	BEVERLY	-374.34	-0.3828	0.70190	872	Customer_Name	ALAN_HAINES	89.026	0.1726	0.86301
239	City	CHICAGO	-373.86	-0.6682	0.50409	873	Customer_Name	BARBARA_FISHER	88.813	0.2137	0.83080
240	City	CORAL_SPRINGS	-373.65	-0.5043	0.61414	874	Customer_Name	ERIC_BARRETO	88.784	0.1768	0.85970
241	Customer_Name	STEFANIA_PERRINO	-371.24	-0.7018	0.48292	875	Customer_Name	MICHAEL_STEWART	88.752	0.1243	0.90112
242	Postal_Code	43302	371.09	0.3906	0.69615	876	Customer_Name	JANE_WACO	88.579	0.1864	0.85217

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

37

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
243	City	VINELAND	-370.63	-0.5627	0.57373	877	Postal_Code	22204	-87.392	-0.1935	0.84660
244	City	MUSKOGEE	-370.19	-0.4965	0.61957	878	City	MOBILE	-87.109	-0.1332	0.89405
245	City	KENOSHA	-370.01	-0.4964	0.61968	879	Postal_Code	10011	87.019	0.5876	0.55685
246	City	FORT_COLLINS	-369.82	-0.5783	0.56313	880	City	SALEM	-86.932	-0.1571	0.87522
247	Customer_Name	TRACY_HOPKINS	367.71	0.8848	0.37639	881	Customer_Name	PAUL_VAN_HUGH	86.638	0.1721	0.86340
248	Customer_Name	JULIA_BARNETT	366.35	0.3987	0.69014	882	Postal_Code	10009	86.408	0.6170	0.53730
249	Customer_Name	FRANK_PREIS	-366.24	-0.6255	0.53169	883	Customer_Name	DARRIN_VAN_HUFF	-86.285	-0.1544	0.87734
250	City	PASSAIC	-364.37	-0.4276	0.66899	884	City	VIRGINIA_BEACH	86.199	0.1260	0.89973
251	Customer_Name	ERIN_ASHBROOK	-364.18	-0.9228	0.35622	885	Customer_Name	ALAN_DOMINGUEZ	86.096	0.1912	0.84841
252	City	NOBLESVILLE	362.53	0.4666	0.64081	886	Customer_Name	ADAM_HART	85.912	0.1934	0.84666
253	City	POMPANO_BEACH	-362.41	-0.3386	0.73495	887	City	WASHINGTON	-85.863	-0.1204	0.90418
254	Customer_Name	RICK_REED	361.62	0.4072	0.68390	888	Postal_Code	92037	85.685	0.2910	0.77110
255	Customer_Name	MARK_HAMILTON	-360.70	-0.6619	0.50814	889	City	AUSTIN	-85.649	-0.1456	0.88428
256	Customer_Name	SUZANNE_MCNAIR	360.33	0.9107	0.36258	890	Customer_Name	BARRY_FRANZ	85.441	0.1176	0.90643
257	City	GREENVILLE	-358.82	-0.5473	0.58421	891	City	LODI	84.565	0.0965	0.92313
258	City	IOWA_CITY	358.33	0.3700	0.71145	892	City	SAN_FRANCISCO	-84.452	-0.1554	0.87650
259	Customer_Name	ROBERT_MARLEY	357.42	0.8352	0.40370	893	Customer_Name	LUKE_FOSTER	-84.331	-0.1903	0.84909
260	City	CORAL_GABLES	-356.34	-0.3989	0.69003	894	Customer_Name	ODELLA_NELSON	-84.289	-0.1785	0.85833
261	City	SAN_DIEGO	-355.88	-0.6250	0.53206	895	Customer_Name	RYAN_CROWE	84.193	0.1821	0.85552
262	City	SPARKS	-355.44	-0.3946	0.69321	896	Customer_Name	LINDA_SOUTHWORTH	84.125	0.1477	0.88257
263	Customer_Name	THEA_HUDGINGS	352.00	0.7807	0.43510	897	Customer_Name	ANDREW_ROBERTS	-84.107	-0.1518	0.87934
264	Customer_Name	MARIA_ZETTNER	351.44	0.6317	0.52767	898	Customer_Name	TROY_STAEBEL	83.912	0.1171	0.90679
265	Postal_Code	42420	-349.79	-0.4192	0.67511	899	Customer_Name	ALYSSA_CROUSE	83.726	0.1882	0.85071
266	City	MESA	-349.68	-0.5918	0.55405	900	Customer_Name	PHILLINA_OBER	83.341	0.1509	0.88004
267	City	IRVING	-346.97	-0.5118	0.60886	901	Customer_Name	PENELOPE_SEWALL	-83.134	-0.1617	0.87152
268	City	OREM	-346.60	-0.4122	0.68020	902	Customer_Name	ROBERT_WALDORF	-82.867	-0.1319	0.89511
269	City	INDIANAPOLIS	-345.61	-0.5864	0.55767	903	Customer_Name	PAMELA_STOBB	-82.832	-0.2090	0.83446
270	City	DELTONA	-344.86	-0.3903	0.69635	904	Customer_Name	DOROTHY_WARDLE	-82.743	-0.1742	0.86175
271	City	DALLAS	-344.21	-0.5841	0.55921	905	Customer_Name	BRADLEY_TALBOTT	-82.394	-0.1808	0.85654
272	City	HOMESTEAD	-343.89	-0.3542	0.72325	906	Customer_Name	ANTHONY GARVERICK	81.704	0.1512	0.87981
273	Customer_Name	JULIA_WEST	-342.93	-0.4558	0.64860	907	Customer_Name	MICHELLE_ELLISON	-81.615	-0.1350	0.89264
274	Customer_Name	SAM_ZELDIN	-342.86	-0.8118	0.41700	908	City	BOCA_RATON	-81.552	-0.0755	0.93985
275	Postal_Code	13021	-342.66	-0.4135	0.67932	909	City	COLUMBUS	-81.139	-0.1301	0.89648
276	Customer_Name	YOSEPH_CARROLL	342.35	0.6871	0.49211	910	Customer_Name	CARI_SAYRE	80.272	0.1113	0.91142
277	Customer_Name	JANET_MARTIN	-341.97	-0.7364	0.46160	911	Customer_Name	RITSA_HIGHTOWER	-80.260	-0.1090	0.91325
278	Customer_Name	ASHLEY_JARBOE	341.92	0.3555	0.72226	912	City	HUNTINGTON_BEACH	-79.806	-0.0883	0.92962
279	City	SAINT_LOUIS	-341.67	-0.4957	0.62018	913	Customer_Name	MITCH_WILLINGHAM	79.692	0.1340	0.89338
280	City	LEBANON	-339.38	-0.4554	0.64889	914	Customer_Name	ANN_STEELE	79.093	0.1211	0.90360
281	City	OVERLAND_PARK	-339.15	-0.4504	0.65245	915	Customer_Name	MATT_ABELMAN	-78.171	-0.1999	0.84156
282	Customer_Name	LELA_DONOVAN	338.59	0.4650	0.64196	916	Customer_Name	MAXWELL_SCHWARTZ	-78.020	-0.1811	0.85627
283	City	BAKERSFIELD	-337.92	-0.5427	0.58738	917	City	FORT_WORTH	-77.997	-0.1323	0.89473
284	City	ORANGE	-335.07	-0.4584	0.64671	918	Customer_Name	KEN_BLACK	-77.967	-0.1859	0.85251
285	Customer_Name	CHARLES_SHELDON	-334.24	-0.5864	0.55767	919	Customer_Name	ROB_DOWD	77.954	0.1390	0.88950
286	Postal_Code	28540	-331.86	-1.1148	0.26506	920	City	LAFAYETTE	77.936	0.1238	0.90146
287	Customer_Name	MIKE_PELLETIER	331.34	0.7211	0.47094	921	City	CHARLOTTE	-77.676	-0.1361	0.89172
288	Customer_Name	GIULIETTA_BAPTIST	329.98	0.6182	0.53652	922	Customer_Name	MARC_HARRIGAN	77.572	0.1740	0.86187
289	City	BRISTOL	-329.13	-0.3490	0.72715	923	Customer_Name	ROBERT_BARROSO	77.499	0.1536	0.87792
290	City	PLANO	-328.58	-0.4853	0.62750	924	Customer_Name	JEREMY_PISTEK	-77.253	-0.1481	0.88228
291	Customer_Name	SEAN_CHRISTENSEN	327.37	0.4144	0.67861	925	Customer_Name	CLAY_ROZENDAL	-77.199	-0.0859	0.93152
292	Customer_Name	ANTHONY_WITT	325.95	0.6856	0.49307	926	Customer_Name	GARY_HWANG	77.096	0.1504	0.88045
293	Customer_Name	RICK_BENSLEY	-325.15	-0.7879	0.43083	927	City	ATLANTA	76.966	0.1365	0.89148
294	Customer_Name	TAMARA_MANNING	323.25	0.5152	0.60646	928	Customer_Name	JEREMY_LONSDALE	-76.538	-0.1612	0.87193
295	City	PHOENIX	-322.33	-0.5731	0.56667	929	Customer_Name	CYNTHIA_DELANEY	-76.440	-0.1236	0.90163
296	Customer_Name	MICHAEL_GRANLUND	-321.36	-0.6870	0.49216	930	Customer_Name	DENISE_MONTON	-76.394	-0.1624	0.87103
297	City	PLAINFIELD	-321.05	-0.5167	0.60540	931	Customer_Name	ROSS_DEVINCENTIS	-76.312	-0.1833	0.85458
298	City	PLEASANT_GROVE	-320.97	-0.3543	0.72315	932	Customer_Name	JULIE_KRIZ	75.868	0.1641	0.86966
299	Customer_Name	LIZ_WILLINGHAM	320.39	0.5647	0.57231	933	Customer_Name	BENJAMIN_VENIER	-75.573	-0.1426	0.88662
300	City	SACRAMENTO	-320.16	-0.4036	0.68656	934	Customer_Name	PATRICK_GARDNER	75.538	0.1905	0.84890
301	City	MONROE	-318.69	-0.4944	0.62107	935	Customer_Name	BEN_PETERMAN	75.474	0.1539	0.87767
302	Customer_Name	CHARLES_CRESTANI	318.37	0.6164	0.53770	936	Postal_Code	45503	-75.431	-0.2269	0.82049
303	Postal_Code	77036	317.99	1.5236	0.12778	937	Customer_Name	DENNIS_BOLTON	74.082	0.1237	0.90157
304	City	NORWICH	-315.78	-0.4410	0.65926	938	City	DEARBORN_HEIGHTS	-73.576	-0.1026	0.91832
305	City	BOWLING_GREEN	-315.61	-0.4614	0.64455	939	City	LEOMINSTER	73.574	0.0744	0.94066
306	Customer_Name	MELANIE_SEITE	314.83	0.3987	0.69015	940	Customer_Name	ROB_BEEGHLY	-73.401	-0.1570	0.87529
307	Customer_Name	LENA_HERNANDEZ	314.58	0.6827	0.49485	941	Postal_Code	75081	73.274	0.2261	0.82114
308	Customer_Name	PAULINE_WEBBER	313.52	0.4341	0.66424	942	Customer_Name	CHAD_CUNNINGHAM	72.919	0.1312	0.89564
309	Customer_Name	LAUREL_BELTRAN	313.52	0.7130	0.47591	943	City	MOORHEAD	72.744	0.0912	0.92732
310	Customer_Name	MITCH_WEBBER	-313.28	-0.6937	0.48794	944	Customer_Name	CHRISTINA_VANDERZAN	-72.463	-0.1742	0.86170

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

38

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
311	City	BROWNSVILLE	-313.06	-0.4500	0.65274	945	Customer_Name	TOBY_CARLISLE	72.439	0.1515	0.87961
312	Customer_Name	THOMAS_BOLAND	310.95	0.6972	0.48577	946	City	GRAND_PRAIRIE	-71.979	-0.1058	0.91578
313	Customer_Name	PATRICK_BZOSTEK	-310.47	-0.5486	0.58332	947	City	MARIETTA	-71.938	-0.0780	0.93781
314	City	ALEXANDRIA	-310.19	-0.4807	0.63079	948	Customer_Name	MARIS_LAWARE	71.002	0.1657	0.86842
315	City	WAYNESBORO	-309.94	-0.4719	0.63706	949	Customer_Name	SUSAN_VITTORINI	-70.633	-0.1230	0.90211
316	Customer_Name	KELLY_LAMPKIN	-308.60	-0.6309	0.52815	950	Customer_Name	DAVE_POIRIER	-70.574	-0.1647	0.86918
317	Customer_Name	NORA_PREIS	307.66	0.6594	0.50971	951	Customer_Name	NOAH_CHILDS	70.512	0.1552	0.87671
318	City	ALBUQUERQUE	-307.60	-0.4674	0.64024	952	City	ARVADA	-70.458	-0.0762	0.93931
319	Customer_Name	EMILY_GRADY	-307.15	-0.5794	0.56240	953	Customer_Name	EMILY_BURNS	-70.309	-0.1694	0.86550
320	Postal_Code	46350	307.10	0.3795	0.70436	954	Customer_Name	MARIBETH_YEDWAB	70.181	0.1694	0.86550
321	City	CHICO	-307.09	-0.4200	0.67451	955	Customer_Name	NAT_CARROLL	69.927	0.0974	0.92243
322	City	HOUSTON	-306.27	-0.5770	0.56399	956	Postal_Code	30080	-69.799	-0.1090	0.91324
323	Customer_Name	VIVEK_SUNDARESAM	-305.90	-0.5071	0.61213	957	Customer_Name	TOM_BOECKENHAUER	69.785	0.1663	0.86798
324	Customer_Name	JENNIFER_PATT	-305.45	-0.6940	0.48775	958	Customer_Name	ALYSSA_TATE	69.663	0.1232	0.90200
325	City	GEORGETOWN	-305.35	-0.4651	0.64194	959	Customer_Name	MARK_PACKER	-69.176	-0.1028	0.91815
326	Customer_Name	CLAY_LUDTKE	304.80	0.8106	0.41769	960	City	READING	-68.924	-0.0938	0.92532
327	Customer_Name	PHILISSE_OVERCASH	303.71	0.5004	0.61688	961	Customer_Name	RUBEN_AUSMAN	68.870	0.1485	0.88195
328	Customer_Name	SAPHIHIRA_SHIFLEY	303.24	0.7582	0.44845	962	Customer_Name	CHRISTINE_SUNDARESA	68.709	0.1729	0.86273
329	Postal_Code	37620	302.43	0.2763	0.78236	963	Customer_Name	CRAIG_MOLINARI	68.703	0.1611	0.87204
330	City	PEORIA	-302.25	-0.4840	0.62842	964	Customer_Name	LARRY_TRON	68.570	0.0832	0.93371
331	Customer_Name	DAVID_PHILIPPE	300.93	0.4120	0.68042	965	City	JEFFERSON_CITY	68.238	0.0992	0.92102
332	Postal_Code	1841	300.70	0.4344	0.66404	966	City	CHULA_VISTA	-68.031	-0.0862	0.93134
333	City	COVINGTON	-299.96	-0.4491	0.65340	967	Customer_Name	EUGENE_MOREN	67.980	0.1485	0.88199
334	Sub_Category	ART	-299.62	-2.7304	0.00638	968	Customer_Name	SUNG_PAK	67.809	0.1724	0.86314
335	Customer_Name	GENE_MCCLURE	-299.54	-0.5802	0.56187	969	Customer_Name	EVAN_MINNOTTE	67.741	0.0811	0.93541
336	Customer_Name	MAX_JONES	299.17	0.4607	0.64508	970	City	BLOOMINGTON	-67.689	-0.0988	0.92129
337	City	GLENDALE	-299.14	-0.4676	0.64016	971	Customer_Name	ROB_WILLIAMS	67.589	0.1502	0.88065
338	Customer_Name	RICK_HUTHWAITE	295.80	0.5691	0.56935	972	Postal_Code	40475	67.352	0.1675	0.86699
339	City	THORNTON	-294.75	-0.4454	0.65605	973	Customer_Name	ALEJANDRO_GROVE	-66.867	-0.1286	0.89771
340	City	MIDLAND	293.83	0.4611	0.64481	974	Customer_Name	TED_BUTTERFIELD	66.844	0.1150	0.90848
341	Customer_Name	ERICA_HERNANDEZ	-293.78	-0.2517	0.80130	975	Postal_Code	77041	-66.769	-0.3688	0.71232
342	Customer_Name	SUNG_SHARIARI	-293.38	-0.3811	0.70319	976	Customer_Name	JACK_GARZA	-66.624	-0.1172	0.90671
343	City	RICHARDSON	291.10	0.4222	0.67296	977	Customer_Name	KEN_DANA	66.279	0.1590	0.87369
344	Customer_Name	LENA_RADFORD	-289.28	-0.6603	0.50913	978	Customer_Name	LENA_CACIOPPO	66.185	0.1738	0.86201
345	City	LONGMONT	-288.56	-0.3232	0.74660	979	Customer_Name	GREG_MAXWELL	66.117	0.1452	0.88454
346	Customer_Name	TODD_SUMRALL	288.23	0.7268	0.46742	980	Customer_Name	SALLY_MATTHIAS	65.410	0.1318	0.89514
347	City	HOLLYWOOD	-287.42	-0.4251	0.67078	981	Customer_Name	CHRISTOPHER_SCHILD	64.852	0.1505	0.88039
348	City	MILWAUKEE	-286.84	-0.5040	0.61431	982	Customer_Name	DEIRDRE_GREER	63.509	0.1116	0.91114
349	City	BAYONNE	-284.38	-0.2964	0.76693	983	Customer_Name	FRANK_HAWLEY	-63.451	-0.1706	0.86457
350	Customer_Name	BARRY_FRANZ_SISCH	-283.67	-0.6735	0.50073	984	Customer_Name	CHLORIS_KASTENSMIDT	63.446	0.1606	0.87239
351	Customer_Name	GARY_ZANDUSKY	282.64	0.5971	0.55050	985	City	AUBURN	62.642	0.0697	0.94442
352	City	SAINT_PETERSBURG	-282.22	-0.4588	0.64639	986	Customer_Name	CAROL_TRIGGS	62.570	0.1502	0.88059
353	City	NEW_BEDFORD	-282.03	-0.3218	0.74762	987	Customer_Name	JILL_STEVENSON	62.489	0.1389	0.88954
354	City	GILBERT	-281.76	-0.4075	0.68370	988	Customer_Name	KEAN_NGUYEN	-62.455	-0.1084	0.91369
355	Customer_Name	JENNA_CAFFEY	281.08	0.2618	0.79353	989	Customer_Name	DELFINA_LATCHFORD	61.495	0.1257	0.90000
356	City	PERTH_AMBOY	-280.09	-0.3912	0.69572	990	Customer_Name	MIKE_CAUDLE	61.437	0.1343	0.89318
357	City	TEMPE	-280.07	-0.3796	0.70427	991	Postal_Code	61604	-61.140	-0.0911	0.92743
358	Customer_Name	JULIA_DUNBAR	279.53	0.4794	0.63174	992	Customer_Name	CHUCK_MAGEE	61.101	0.1400	0.88869
359	Customer_Name	ROGER_BARCIO	279.43	0.5789	0.56272	993	City	EVERETT	-61.016	-0.0981	0.92183
360	City	SCOTTSDALE	-279.03	-0.4309	0.66659	994	Customer_Name	BRYAN_MILLS	-60.919	-0.1501	0.88071
361	City	LONG_BEACH	-278.72	-0.4559	0.64851	995	City	BELLEVILLE	60.688	0.0977	0.92219
362	City	ROCKVILLE	-278.22	-0.3554	0.72236	996	Customer_Name	ANDREW_ALLEN	60.318	0.1392	0.88927
363	Customer_Name	KARL_BRAUN	274.66	0.7030	0.48213	997	Customer_Name	BRIAN_THOMPSON	-60.084	-0.1254	0.90021
364	City	WESTLAND	-273.88	-0.4018	0.68790	998	Customer_Name	TOBY_BRAUNHARDT	60.002	0.1199	0.90456
365	City	HIALEAH	-273.85	-0.4292	0.66780	999	Postal_Code	77506	-59.850	-0.1057	0.91583
366	City	PORT_SAINT_LUCIE	-273.41	-0.3964	0.69184	1E3	Customer_Name	BOBBY_ELIAS	59.705	0.0930	0.92593
367	Customer_Name	VIVEK_GRADY	271.41	0.4897	0.62437	1E3	City	DOVER	-59.599	-0.0489	0.96100
368	City	GULFPORT	-271.39	-0.2781	0.78099	1E3	Customer_Name	DEAN_KATZ	59.192	0.1324	0.89468
369	City	ROSEVILLE	-271.35	-0.4122	0.68026	1E3	City	MACON	-59.034	-0.0726	0.94211
370	City	CONCORD	-271.29	-0.3404	0.73356	1E3	City	ESCONDIDO	-58.901	-0.0518	0.95869
371	City	KNOXVILLE	-270.39	-0.4490	0.65350	1E3	Customer_Name	MARY_ZEWE	-58.680	-0.1250	0.90050
372	Customer_Name	VIVEK_GONZALEZ	267.70	0.3707	0.71092	1E3	Customer_Name	JASON_FORTUNE_	-58.433	-0.1269	0.89902
373	Customer_Name	TAMARA_WILLINGHAM	267.31	0.5843	0.55907	1E3	City	MENTOR	-58.206	-0.0598	0.95233
374	City	GRAND_RAPIDS	-266.91	-0.3855	0.69988	1E3	Postal_Code	42104	-57.626	-0.0788	0.93717
375	City	WATERBURY	-266.86	-0.4163	0.67722	1E3	Customer_Name	DORRIS_LIEBE	-57.376	-0.0976	0.92229
376	Postal_Code	92024	265.63	0.8149	0.41523	1E3	Customer_Name	SIBELLA_PARKS	57.247	0.1293	0.89710
377	Customer_Name	ERIN_SMITH	264.53	0.6464	0.51812	1E3	City	STERLING_HEIGHTS	57.210	0.0610	0.95136
378	Customer_Name	LAUREL_WORKMAN	-262.73	-0.6147	0.53885	1E3	City	FREMONT	-56.989	-0.0923	0.92649

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

39

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
379	City	SIOUX_FALLS	-262.23	-0.3722	0.70981	1E3	Customer_Name	MAUREEN_GASTINEAU	56.685	0.0990	0.92114
380	Customer_Name	DON_MILLER	261.92	0.4726	0.63653	1E3	Quantity		56.209	8.1954	0.00000
381	City	MORRISTOWN	261.74	0.3565	0.72148	1E3	Customer_Name	ROY_FRANZ_SISCH	55.774	0.1200	0.90446
382	Customer_Name	RUSSELL_D_ASCENZO	261.62	0.4469	0.65501	1E3	Customer_Name	CRAIG_CARROLL	55.713	0.1074	0.91447
383	Customer_Name	ALLEN_GOLDENEN	260.41	0.5694	0.56918	1E3	Customer_Name	CHRISTY_BRITTAINE	55.672	0.1368	0.89120
384	City	AKRON	-260.14	-0.4316	0.66607	1E3	Customer_Name	KATHERINE_HUGHES	-55.345	-0.0581	0.95364
385	City	GRAPEVINE	-258.96	-0.2885	0.77303	1E3	Customer_Name	LORI_OLSON	55.167	0.0807	0.93567
386	Customer_Name	VICTORIA_PISTEKA	258.73	0.5765	0.56435	1E3	Postal_Code	90008	55.109	0.3107	0.75610
387	Customer_Name	ALAN_HWANG	257.58	0.5559	0.57837	1E3	City	MCALLEN	-55.038	-0.0859	0.93156
388	Postal_Code	11572	257.26	0.4725	0.63662	1E3	Customer_Name	LISA_DECHERNEY	54.786	0.1122	0.91066
389	City	APPLETON	255.82	0.2642	0.79163	1E3	Customer_Name	CRAIG_REITER	54.786	0.0989	0.92120
390	Customer_Name	BILL_STEWART	254.76	0.5465	0.58477	1E3	Customer_Name	DOUG_O_CONNELL	-54.525	-0.0990	0.92118
391	Postal_Code	45014	-254.61	-0.3046	0.76074	1E3	Customer_Name	MICK_CREBAGGA	53.939	0.1299	0.89664
392	City	LOS_ANGELES	-254.04	-0.4626	0.64371	1E3	Customer_Name	SARA_LUXEMBURG	53.737	0.1129	0.91014
393	Sub_Category	LABELS	-253.47	-0.2055	0.03995	1E3	Customer_Name	VIVIAN_MATHIS	-53.445	-0.0721	0.94251
394	Customer_Name	MATHEW_REESE	-253.28	-0.4571	0.64762	1E3	Customer_Name	ALAN_SHONEY	-53.315	-0.1197	0.90477
395	Customer_Name	MARYBETH_SKACH	252.97	0.4521	0.65128	1E3	Customer_Name	EDWARD_BECKER	53.240	0.1314	0.89547
396	Postal_Code	77070	252.65	1.1766	0.23952	1E3	Customer_Name	ALEX_GRAYSON	-53.227	-0.1199	0.90459
397	Customer_Name	STEVE_CARROLL	252.07	0.4819	0.62991	1E3	Postal_Code	43229	-53.209	-0.1507	0.88024
398	Customer_Name	SAMPLE_COMPANY_A	252.05	0.4466	0.65524	1E3	City	TYLER	-52.999	-0.0546	0.95650
399	Postal_Code	48227	-250.83	-0.9100	0.36294	1E3	City	FARGO	52.504	0.0587	0.95323
400	Customer_Name	JOHN_HUSTON	-250.57	-0.4375	0.66183	1E3	Customer_Name	DENNIS_KANE	52.366	0.1318	0.89513
401	City	LAS_VEGAS	249.57	0.2880	0.77341	1E3	City	SALT_LAKE_CITY	-52.105	-0.0705	0.94380
402	Customer_Name	ALAN_SCHOENBERGER	249.17	0.4619	0.64418	1E3	Customer_Name	MARC_CRIER	51.824	0.0980	0.92192
403	Customer_Name	KUNST_MILLER	248.58	0.6255	0.53169	1E3	Customer_Name	CYNTHIA_VOLTZ	-50.834	-0.1311	0.89574
404	City	PEARLAND	-248.25	-0.2765	0.78222	1E3	Customer_Name	BRENDAN_MURRY	-50.705	-0.0912	0.92733
405	Customer_Name	KEAN_THORNTON	247.32	0.6297	0.52896	1E3	City	BRIDGETON	-50.407	-0.0528	0.95788
406	City	MEMPHIS	-247.06	-0.4006	0.68879	1E3	Customer_Name	JENNIFER_FERGUSON	-50.188	-0.1030	0.91798
407	City	HIGHLAND_PARK	-245.76	-0.3220	0.74748	1E3	Customer_Name	SANJIT_JACOBS	-49.806	-0.1297	0.89685
408	City	PENSACOLA	245.74	0.2471	0.80487	1E3	City	GARLAND	49.289	0.0517	0.95881
409	Customer_Name	JASON_GROSS	-244.78	-0.4032	0.68684	1E3	Customer_Name	SARAH_FOSTER	49.006	0.0649	0.94824
410	Postal_Code	48205	244.23	0.8071	0.41973	1E3	Customer_Name	SARAH_JORDON	48.894	0.0981	0.92186
411	Customer_Name	RICK_WILSON	243.81	0.5986	0.54952	1E3	City	CARY	-48.720	-0.0611	0.95127
412	Customer_Name	JAS_O_CARROLL	243.65	0.3278	0.74313	1E3	Customer_Name	TRACY_ZIC	48.172	0.0666	0.94690
413	Customer_Name	KAREN_SEIO	-243.16	-0.3070	0.75888	1E3	Customer_Name	STEVEN_WARD	-48.127	-0.1067	0.91504
414	City	ROCHESTER	-243.06	-0.3758	0.70710	1E3	City	ELMHURST	47.797	0.0401	0.96803
415	Customer_Name	VALERIE_TAKAHITO	-242.35	-0.3357	0.73713	1E3	City	MIDDLETOWN	-46.898	-0.0657	0.94762
416	Customer_Name	SHIRLEY_DANIELS	242.08	0.5595	0.57587	1E3	Customer_Name	HARRY_MARIE	46.697	0.0970	0.92275
417	Customer_Name	TAMARA_DAHLIN	-241.88	-0.4466	0.65519	1E3	Customer_Name	PAUL_KNUTSON	46.661	0.0643	0.94876
418	Customer_Name	MARK_VAN_HUFF	241.60	0.5549	0.57906	1E3	City	LANSING	-46.216	-0.0434	0.96535
419	Category	FURNITURE	241.28	1.3670	0.17178	1E3	Postal_Code	35601	-46.036	-0.0984	0.92162
420	Customer_Name	JAMES_GALANG	241.00	0.6046	0.54554	1E3	Customer_Name	NICK_RADFORD	-45.173	-0.0808	0.93558
421	City	COACHELLA	-240.93	-0.2599	0.79498	1E3	Postal_Code	19140	-45.169	-0.2513	0.80162
422	Customer_Name	BENJAMIN_PATTERSON	240.85	0.3473	0.72840	1E3	Customer_Name	CHRISTINA_DEMOSS	-44.966	-0.0924	0.92641
423	Customer_Name	THEONE_PIPPENGER	240.57	0.5325	0.59443	1E3	Customer_Name	KATRINA_WILLMAN	44.935	0.0976	0.92227
424	Customer_Name	THOMAS_BRUMLEY	240.55	0.3098	0.75676	1E3	Customer_Name	SHUI_TOM	44.851	0.0896	0.92865
425	City	SPRINGFIELD	-240.41	-0.4104	0.68154	1E3	Customer_Name	TRACY_BLUMSTEIN	44.818	0.1040	0.91719
426	Customer_Name	MATT_COLLISTER	239.43	0.4819	0.62994	1E3	City	LOVELAND	-44.658	-0.0443	0.96468
427	City	TUCSON	-238.25	-0.3981	0.69059	1E3	Customer_Name	GEORGE_BELL	44.441	0.1032	0.91779
428	City	CUYAHOGA_FALLS	-237.95	-0.3196	0.74928	1E3	Customer_Name	DEAN_BRADEN	-44.151	-0.1137	0.90952
429	Customer_Name	STUART_VAN	237.06	0.4208	0.67395	1E3	Customer_Name	JOY_BELL	-43.844	-0.0980	0.92195
430	City	MONTGOMERY	-236.99	-0.3613	0.71791	1E3	Customer_Name	RESI_P_LKING	43.246	0.1139	0.90930
431	City	APOPKA	-236.95	-0.3588	0.71981	1E3	Customer_Name	SCOT_WOOTEN	43.244	0.0996	0.92070
432	City	EAST_ORANGE	-235.22	-0.3178	0.75069	1E3	Customer_Name	CAROL_ADAMS	42.793	0.0819	0.93472
433	City	CAMARILLO	-234.90	-0.2600	0.79486	1E3	Customer_Name	JEREMY_ELLISON	42.673	0.1089	0.91333
434	Customer_Name	GIULIETTA_DORTCH	233.82	0.3226	0.74704	1E3	Customer_Name	SETH_VERNON	42.273	0.1172	0.90669
435	City	SANTA_MARIA	-233.24	-0.2614	0.79384	1E3	City	MOUNT_VERNON	42.086	0.0437	0.96517
436	City	POCATELLO	-233.00	-0.3417	0.73263	1E3	City	ORLANDO	41.854	0.0591	0.95290
437	Customer_Name	YANA_SORENSEN	232.37	0.4743	0.63534	1E3	Customer_Name	DARRIN_MARTIN	-41.843	-0.1034	0.91766
438	City	BROOMFIELD	-232.22	-0.3284	0.74264	1E3	Customer_Name	MICHELLE_MORAY	41.611	0.1084	0.91372
439	City	NEW_YORK_CITY	-232.16	-0.4279	0.66874	1E3	Customer_Name	TRUDY_GLOCKE	41.112	0.0886	0.92939
440	Customer_Name	THOMAS_THORNTON	231.60	0.4416	0.65882	1E3	Customer_Name	DAVID_KENDRICK	41.094	0.0722	0.94245
441	Customer_Name	MARIBETH_DONA	-231.12	-0.5863	0.55777	1E3	City	ASHEVILLE	-40.944	-0.0581	0.95369
442	Customer_Name	STEVEN_ROELLE	-230.81	-0.4724	0.63669	1E3	City	LORAIN	-40.838	-0.0594	0.95263
443	Sub_Category	CHAIRS	-230.37	-1.0485	0.29456	1E3	Customer_Name	BEN_FERRER	-40.456	-0.1060	0.91558
444	Customer_Name	SONIA_COOLEY	228.62	0.4145	0.67856	1E3	Customer_Name	ANNA_H_BERLIN	-40.075	-0.0936	0.92547
445	Customer_Name	EILEEN_KIEFER	228.15	0.2955	0.76764	1E3	Customer_Name	LINDSAY_WILLIAMS	40.071	0.0716	0.94292
446	City	TOLEDO	-227.81	-0.3530	0.72415	1E3	City	MIRAMAR	40.038	0.0578	0.95391

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

40

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
447	Customer_Name	DUANE_BENOIT	-227.74	-0.4857	0.62723	1E3	City	FRESNO	-39.850	-0.0627	0.95001
448	Customer_Name	GUY_PHONELY	-227.71	-0.2841	0.77638	1E3	City	TAMPA	-39.541	-0.0661	0.94732
449	Customer_Name	IVAN_LISTON	227.61	0.4972	0.61912	1E3	Customer_Name	TOBY_RITTER	39.348	0.0548	0.95631
450	Customer_Name	DANIEL_RAGLIN	-227.09	-0.3502	0.72620	1E3	City	MADISON	-39.069	-0.0517	0.95874
451	Sub_Category	BINDERS	-226.93	-2.0178	0.04375	1E3	Customer_Name	EVAN_HENRY	-38.968	-0.0731	0.94175
452	Customer_Name	DOUG_JACOBS	226.77	0.4129	0.67973	1E3	Customer_Name	SUSAN_PISTEK	-38.141	-0.0525	0.95816
453	Customer_Name	HILARY_HOLDEN	226.56	0.3133	0.75412	1E3	Postal_Code	22153	-38.088	-0.1152	0.90827
454	City	PARMA	226.44	0.2430	0.80806	1E3	Customer_Name	NATHAN_MAUTZ	38.062	0.0937	0.92534
455	City	ROCKFORD	-226.24	-0.3271	0.74362	1E3	Customer_Name	HENRY_MACALLISTER	38.012	0.0689	0.94510
456	City	SUFFOLK	-226.15	-0.3275	0.74334	1E3	Customer_Name	BRUCE_GELD	-37.944	-0.0681	0.94570
457	Customer_Name	DON_JONES	225.88	0.5010	0.61643	1E3	Postal_Code	60610	37.626	0.1679	0.86668
458	City	OXNARD	-225.80	-0.3202	0.74884	1E3	City	LAREDO	-37.549	-0.0515	0.95896
459	Sub_Category	PAPER	-225.68	-2.1403	0.03245	1E3	Customer_Name	HAROLD_DAHLEN	-37.471	-0.0770	0.93863
460	Customer_Name	RICARDO_EMERSON	-224.39	-0.2567	0.79744	1E3	Customer_Name	HEATHER_KIRKLAND	-37.360	-0.0957	0.92373
461	Customer_Name	HERBERT_FLENTYE	223.37	0.5625	0.57387	1E3	City	NORFOLK	-36.677	-0.0370	0.97050
462	Sub_Category	ACCESSORIES	-222.94	-3.0769	0.00212	1E3	Customer_Name	HAROLD_PAWLAN	-36.578	-0.0861	0.93139
463	Customer_Name	NAT_GILPIN	222.93	0.4994	0.61755	1E3	Customer_Name	JULIANA_KROHN	36.319	0.0497	0.96039
464	Customer_Name	SANDRA_GLASSCO	222.49	0.4374	0.66188	1E3	Customer_Name	ROB_LUCAS	36.303	0.0921	0.92666
465	Customer_Name	FRANK_OLSEN	222.29	0.5341	0.59330	1E3	Customer_Name	LAUREL_ELLISTON	35.791	0.0729	0.94187
466	Customer_Name	HAROLD_RYAN	222.08	0.3662	0.71423	1E3	Customer_Name	HELEN_ANDREADA	35.564	0.0909	0.92756
467	Customer_Name	CYNTHIA_ARNTZEN	221.83	0.4926	0.62232	1E3	Customer_Name	JOSEPH_HOLT	-35.322	-0.0620	0.95059
468	Customer_Name	BARRY_BLUMSTEIN	221.37	0.2726	0.78516	1E3	Customer_Name	BRYAN_DAVIS	35.297	0.0490	0.96094
469	Customer_Name	THAIS_SISSLMAN	220.89	0.3023	0.76243	1E3	Customer_Name	JACK_O_BRIANT	-35.170	-0.0834	0.93355
470	City	STOCKTON	-220.58	-0.3387	0.73490	1E3	Ship_Mode	SAME_DAY	-35.121	-0.6246	0.53230
471	Customer_Name	DENNY_JOY	220.30	0.3062	0.75951	1E3	Customer_Name	BRIAN_DECHERNEY	-34.852	-0.0629	0.94983
472	Customer_Name	CYRA_REITEN	218.83	0.4898	0.62432	1E3	Customer_Name	PHILLIP_FLATHMANN	-34.601	-0.0809	0.93553
473	Customer_Name	ADRIAN_SHAMI	218.78	0.3047	0.76062	1E3	Customer_Name	MEG_TILLMAN	34.444	0.0569	0.95461
474	Customer_Name	ANNA_ANDREADI	217.62	0.4696	0.63873	1E3	Customer_Name	BECKY_PAK	34.254	0.0699	0.94427
475	Customer_Name	ERICA HACKNEY	217.23	0.3952	0.69272	1E3	Customer_Name	LAUREN LEATHERBURY	34.061	0.0743	0.94081
476	Customer_Name	TODD_BOYES	217.11	0.4463	0.65543	1E3	Customer_Name	DARREN_BUDD	33.593	0.0899	0.92836
477	City	TEXARKANA	-216.91	-0.2968	0.76666	1E3	Customer_Name	DANIEL_LACY	33.548	0.0803	0.93597
478	City	MAPLE_GROVE	-215.92	-0.3081	0.75803	1E3	Customer_Name	SONIA_SUNLEY	-32.923	-0.0539	0.95703
479	Customer_Name	HEATHER_JAS	-215.51	-0.4437	0.65733	1E3	Customer_Name	ALLEN_ARMOLD	32.895	0.0851	0.93221
480	Customer_Name	GARY_MCGARR	215.39	0.4764	0.63384	1E3	Customer_Name	BEN_WALLACE	-32.661	-0.0685	0.94536
481	Postal_Code	19805	-215.09	-0.3279	0.74299	1E3	City	PROVIDENCE	-32.340	-0.0498	0.96028
482	Customer_Name	EDWARD_NAZZAL	215.01	0.4426	0.65813	1E3	Customer_Name	DENNY_ORDWAY	32.212	0.0792	0.93689
483	City	SUPERIOR	-213.90	-0.2895	0.77219	1E3	City	MONTEBELLO	-32.171	-0.0335	0.97330
484	City	RICHMOND	-213.70	-0.3453	0.72991	1E3	Customer_Name	ANDY_GERBODE	31.995	0.0654	0.94790
485	Postal_Code	98105	-213.02	-1.1195	0.26308	1E3	Customer_Name	CHUCK_CLARK	31.993	0.0751	0.94015
486	Customer_Name	ALEX_RUSSELL	-213.00	-0.2943	0.76856	1E3	Customer_Name	LINDSAY_CASTELL	31.486	0.0521	0.95843
487	City	COTTAGE_GROVE	-212.99	-0.3094	0.75708	1E3	City	JONESBORO	-31.323	-0.0414	0.96701
488	Postal_Code	98103	-211.69	-1.0725	0.28363	1E3	Customer_Name	FRED_HARTON	31.216	0.0723	0.94233
489	City	SAN_BERNARDINO	-210.94	-0.2335	0.81537	1E3	Customer_Name	PATRICK_O_DONNELL	31.176	0.0739	0.94107
490	Customer_Name	JASON_KLAMCZYNSKI	-210.42	-0.2886	0.77294	1E3	Customer_Name	MARIA_BERTELSON	-30.976	-0.0712	0.94323
491	Customer_Name	JOEL_JENKINS	210.17	0.3567	0.72136	1E3	Customer_Name	DOUG_BICKFORD	-30.487	-0.0707	0.94366
492	Customer_Name	DANIEL_BYRD	209.96	0.4569	0.64780	1E3	Customer_Name	MAURICE_SATTY	30.399	0.0690	0.94499
493	City	KENT	-209.90	-0.2167	0.82846	1E3	Customer_Name	CARL_WEISS	-30.344	-0.0471	0.96243
494	Customer_Name	GEORGE_ASHBROOK	209.88	0.5188	0.60393	1E3	Customer_Name	ERIN_CREIGHTON	29.877	0.0665	0.94698
495	Customer_Name	KEITH_DAWKINS	209.23	0.4895	0.62453	1E3	City	LONGVIEW	29.612	0.0382	0.96950
496	City	JOHNSON_CITY	-208.83	-0.3311	0.74062	1E3	Customer_Name	DAVID_WIENER	29.579	0.0611	0.95128
497	Customer_Name	STUART_CALHOUN	208.09	0.4598	0.64568	1E3	City	CLINTON	-29.547	-0.0498	0.96030
498	Customer_Name	CATHY_ARMSTRONG	-207.99	-0.4883	0.62539	1E3	Customer_Name	KHLOE_MILLER	-29.463	-0.0655	0.94778
499	Postal_Code	19901	-207.86	-0.1645	0.86932	1E3	Customer_Name	MAUREEN_GNADE	29.241	0.0405	0.96767
500	City	JACKSON	-207.41	-0.3441	0.73083	1E3	Customer_Name	LAURA_ARMSTRONG	29.040	0.0635	0.94934
501	Customer_Name	KELLY_COLLISTER	207.41	0.2879	0.77344	1E3	City	SEATTLE	28.838	0.0520	0.95855
502	City	MASON	207.12	0.2348	0.81440	1E3	Customer_Name	MIKE_VITTORINI	28.774	0.0597	0.95237
503	Customer_Name	CHRIS_CORTES	-206.78	-0.5248	0.59980	1E3	City	FORT_LAUDERDALE	28.277	0.0462	0.96316
504	City	SUMMERVERILLE	-206.23	-0.1933	0.84672	1E3	Customer_Name	PAUL_GONZALEZ	-27.835	-0.0693	0.94474
505	City	BELLEVUE	-206.17	-0.2710	0.78642	1E3	Customer_Name	MATT_CONNELL	-27.658	-0.0721	0.94251
506	Customer_Name	JOSEPH_AIRDO	205.69	0.4999	0.61724	1E3	Customer_Name	DOROTHY_BADDERS	27.584	0.0617	0.95079
507	City	DES_PLAINES	-204.88	-0.2566	0.79751	1E3	City	FARMINGTON	-27.584	-0.0302	0.97588
508	Customer_Name	MUHAMMED_YEDWAB	204.67	0.4751	0.63480	1E3	Customer_Name	PETE_TAKAHITO	-27.472	-0.0552	0.95597
509	Customer_Name	JULIE_PRESCOTT	204.44	0.5259	0.59900	1E3	City	WARWICK	27.091	0.0298	0.97622
510	City	SOUTHAVEN	204.34	0.2245	0.82239	1E3	Customer_Name	DARRIN_SAYRE	-26.204	-0.0611	0.95132
511	City	MORENO_VALLEY	-203.49	-0.2704	0.78689	1E3	City	PINE_BLUFF	26.124	0.0273	0.97826
512	Customer_Name	LIZ_THOMPSON	202.58	0.4207	0.67405	1E3	Postal_Code	75217	-25.824	-0.0812	0.93532
513	City	GREAT_FALLS	-201.35	-0.2730	0.78489	1E3	Customer_Name	CATHERINE_GLOTZBACH	25.708	0.0503	0.95987
514	Customer_Name	CARLOS_DALY	201.03	0.4173	0.67652	1E3	Customer_Name	PAUL_LUCAS	-25.473	-0.0460	0.96328

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

41

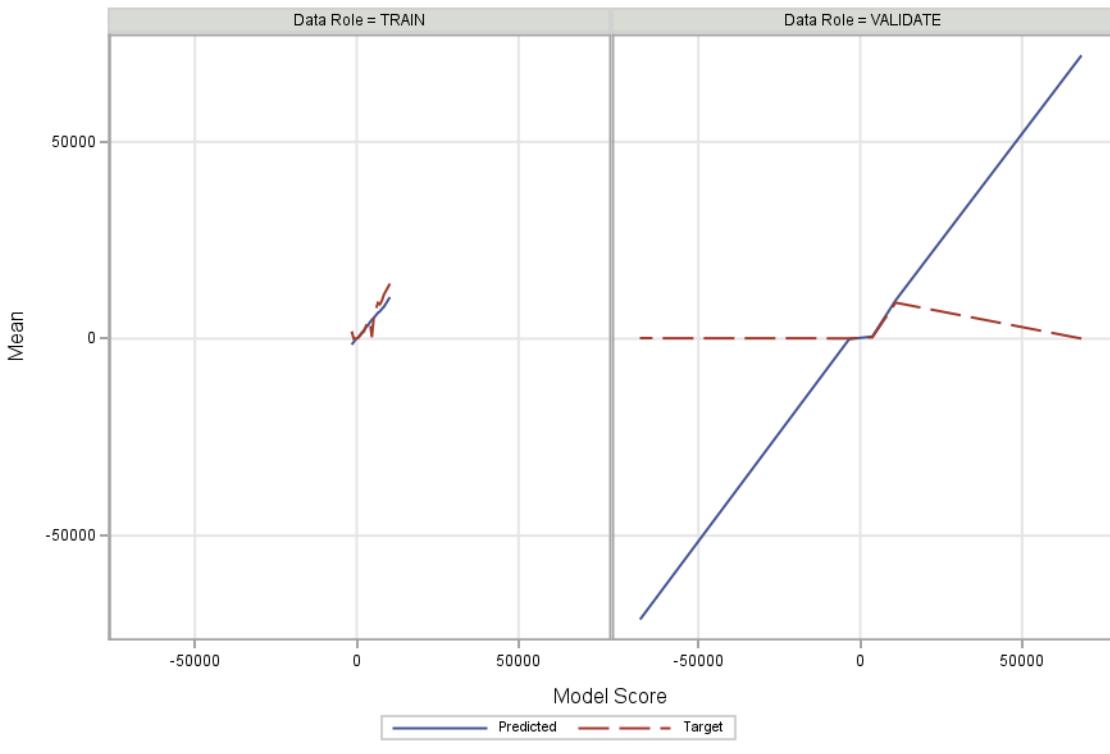
Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
515	Postal_Code	6824	-200.97	-0.2527	0.80051	1E3	City	SKOKIE	-25.427	-0.0390	0.96888
516	Customer_Name	TONY_SAYRE	200.94	0.4144	0.67863	1E3	Customer_Name	JUSTIN_MACKENDRICK	-24.717	-0.0524	0.95819
517	Customer_Name	JONATHAN_HOWELL	-199.78	-0.4242	0.67150	1E3	City	ROSWELL	-24.654	-0.0408	0.96745
518	Customer_Name	FRANK_CARLISLE	199.39	0.3190	0.74973	1E3	Customer_Name	ART_FOSTER	-24.626	-0.0340	0.97285
519	City	PLANTATION	-198.62	-0.2995	0.76462	1E3	Customer_Name	TRACY_COLLINS	-24.116	-0.0502	0.95997
520	City	HEMPSTEAD	-198.12	-0.2639	0.79186	1E3	Customer_Name	KATHERINE_NOCKTON	24.115	0.0612	0.95121
521	Customer_Name	GIULIETTA_WEIMER	-197.44	-0.4472	0.65475	1E3	Customer_Name	JOHN_LUCAS	23.833	0.0540	0.95694
522	Customer_Name	BRIAN_MOSS	197.26	0.4945	0.62103	1E3	Customer_Name	BRIAN_DAHLEN	-23.790	-0.0600	0.95219
523	Customer_Name	NORA_PAIGE	196.85	0.3541	0.72328	1E3	City	NEWPORT_NEWS	-23.500	-0.0245	0.98045
524	Customer_Name	CASSANDRA_BRANDOW	196.18	0.3510	0.72563	1E3	Customer_Name	ANTHONY_JOHNSON	-23.265	-0.0549	0.95620
525	Discount		195.68	1.4036	0.16059	1E3	Customer_Name	ED_JACOBS	23.051	0.0293	0.97663
526	City	HICKORY	-195.54	-0.2226	0.82385	1E3	Customer_Name	JACK_LEBRON	22.839	0.0461	0.96320
527	Customer_Name	ANN_CHONG	195.05	0.4560	0.64847	1E3	Customer_Name	NATHAN_CANO	22.803	0.0532	0.95754
528	City	CHESAPEAKE	194.57	0.2563	0.79778	1E3	Ship_Mode	SECOND_CLASS	22.732	0.6153	0.53845
529	Customer_Name	CATHY_HWANG	193.99	0.3884	0.69775	1E3	Customer_Name	TOBY_SWINDELL	-22.537	-0.0478	0.96190
530	Customer_Name	MICHAEL_OAKMAN	193.65	0.2583	0.79623	1E3	City	LEWISTON	22.429	0.0239	0.98090
531	Customer_Name	KEITH_HERRERA	193.47	0.4733	0.63603	1E3	Customer_Name	SPEROS_GORANITIS	22.420	0.0500	0.96009
532	Customer_Name	JOCASTA_RUPERT	193.23	0.2631	0.79254	1E3	Customer_Name	RICK_DUSTON	21.879	0.0393	0.96863
533	Customer_Name	TAMARA_CHAND	193.06	0.3713	0.71045	1E3	City	MARLBOROUGH	21.791	0.0245	0.98047
534	City	RIVERSIDE	-193.03	-0.3139	0.75361	1E3	Customer_Name	DAVE_KIPP	-21.570	-0.0447	0.96435
535	Customer_Name	BOBBY_ODEGARD	192.79	0.2691	0.78785	1E3	Postal_Code	11561	21.539	0.0594	0.95265
536	City	UTICA	-191.56	-0.3683	0.71268	1E3	Customer_Name	SHAHID_COLLISTER	21.466	0.0497	0.96036
537	Customer_Name	RAYMOND_MESSE	191.24	0.2676	0.78902	1E3	Customer_Name	SKYE_NORLING	21.348	0.0458	0.96346
538	City	SAN_LUIS_OBISPO	190.92	0.1784	0.85846	1E3	Customer_Name	BRAD_NORVELL	-21.254	-0.0265	0.97888
539	City	DENVER	-190.64	-0.3158	0.75222	1E3	Postal_Code	24153	-21.090	-0.0347	0.97236
540	Customer_Name	VICKY_FREYMANN	190.45	0.3894	0.69699	1E3	Customer_Name	SHIRLEY_JACKSON	-21.007	-0.0435	0.96529
541	Customer_Name	NEIL_DUCICH	-190.15	-0.2024	0.83960	1E3	City	EAU_CLAIRE	20.686	0.0268	0.97862
542	City	OKLAHOMA_CITY	-189.66	-0.3121	0.75500	1E3	Postal_Code	65807	-20.431	-0.0606	0.95165
543	Customer_Name	TROY_BLACKWELL	189.59	0.3343	0.73821	1E3	Customer_Name	TOM_STIVERS	20.380	0.0390	0.96891
544	Customer_Name	TRUDY_BROWN	189.46	0.3438	0.73104	1E3	Customer_Name	HALLIE_REDMOND	-20.089	-0.0480	0.96169
545	City	WACO	-189.14	-0.2534	0.79999	1E3	Customer_Name	JANET_LEE	19.884	0.0467	0.96274
546	Customer_Name	MICHELLE_ARNETT	188.44	0.1882	0.85073	1E3	Sub_Category	STORAGE	-19.628	-0.1806	0.85670
547	Customer_Name	BRENDA_BOWMAN	188.41	0.4672	0.64042	1E3	Customer_Name	HENRY_GOLDWYN	-19.450	-0.0352	0.97190
548	Customer_Name	IRENE_MADDUX	188.31	0.4601	0.64549	1E3	Customer_Name	BENJAMIN_FARHAT	-18.823	-0.0387	0.96910
549	Customer_Name	MAX_LUDWIG	187.79	0.4342	0.66417	1E3	Customer_Name	JOY_DANIELS	18.740	0.0385	0.96927
550	Customer_Name	RICHARD_BIERNER	187.61	0.4856	0.62733	1E3	Customer_Name	MARK_COUSINS	-18.391	-0.0386	0.96921
551	Customer_Name	AMY_HUNT	187.57	0.3256	0.74477	1E3	Customer_Name	JOHN_LEE	18.352	0.0516	0.95882
552	Customer_Name	ARTHUR_WIEDIGER	186.19	0.4095	0.68221	1E3	Customer_Name	KATRINA_EDELMAN	18.278	0.0432	0.96557
553	City	BOLINGBROOK	-186.03	-0.2456	0.80605	1E3	City	BOSSIER_CITY	17.952	0.0234	0.98134
554	Customer_Name	MICHAEL_KENNEDY	-186.01	-0.4401	0.65990	1E3	Customer_Name	FRED_HOPKINS	17.947	0.0388	0.96904
555	Customer_Name	EMILY_DUCICH	185.17	0.4645	0.64235	1E3	City	TULSA	-17.471	-0.0282	0.97750
556	Customer_Name	JIM_KARLSSON	185.14	0.3350	0.73766	1E3	Customer_Name	JAMIE_KUNITZ	-17.420	-0.0406	0.96762
557	Customer_Name	DAN_REICHENBACH	-185.02	-0.4027	0.68722	1E3	Postal_Code	47401	17.378	0.0199	0.98411
558	City	RALEIGH	184.03	0.2870	0.77417	1E3	City	MIAMI	-16.920	-0.0276	0.97799
559	City	FAYETTEVILLE	183.83	0.2724	0.78534	1E3	Postal_Code	19711	-16.693	-0.0436	0.96525
560	Customer_Name	RANDY_FERGUSON	-183.30	-0.1767	0.85975	1E3	Customer_Name	EDWARD_HOOKS	-16.184	-0.0416	0.96684
561	Customer_Name	MICHELLE_HUTHWAITE	-182.96	-0.4203	0.67433	1E3	Customer_Name	CINDY_SCHNELLING	15.900	0.0335	0.97328
562	Customer_Name	NEOMA_MURRAY	182.95	0.3626	0.71695	1E3	Customer_Name	PATRICK_RYAN	15.365	0.0321	0.97437
563	Customer_Name	ERIC_HOFFMANN	182.41	0.3928	0.69454	1E3	Customer_Name	CHRISTOPHER_CONANT	14.455	0.0299	0.97617
564	City	PASADENA	-181.89	-0.2794	0.77995	1E3	Customer_Name	CATHY_PRESCOTT	14.158	0.0289	0.97698
565	Customer_Name	SHAUN_WEIEN	-181.76	-0.3168	0.75141	1E3	Customer_Name	DIANNA_VITTORINI	-14.076	-0.0306	0.97562
566	Customer_Name	NICOLE_HANSEN	180.93	0.3661	0.71434	1E3	City	SHEBOYGAN	-13.781	-0.0157	0.98745
567	Customer_Name	ROSE_O_BRIAN	-180.79	-0.3608	0.71828	1E3	Customer_Name	LUKE_SCHMIDT	13.336	0.0317	0.97474
568	Customer_Name	KATHARINE_HARMS	180.31	0.3634	0.71637	1E3	Customer_Name	PAUL_STEVENSON	-13.323	-0.0296	0.97639
569	City	APPLE_VALLEY	-179.88	-0.1690	0.86580	1E3	Customer_Name	SEAN_BRAXTON	-13.218	-0.0356	0.97162
570	City	LANCASTER	-179.58	-0.2667	0.78975	1E3	Customer_Name	HUNTER_LOPEZ	13.079	0.0268	0.97863
571	Customer_Name	RUSSELL_APPLEGATE	179.08	0.3817	0.70273	1E3	Customer_Name	STEPHANIE_ULPRIGHT	13.075	0.0275	0.97804
572	Customer_Name	BECKY_CASTELL	177.86	0.4257	0.67034	1E3	Customer_Name	JILL_FJELD	12.740	0.0178	0.98582
573	Postal_Code	94109	-176.73	-1.0805	0.28006	1E3	City	MALDEN	12.700	0.0145	0.98847
574	Postal_Code	14609	176.69	0.3940	0.69361	1E3	Customer_Name	STEVEN_CARTWRIGHT	12.614	0.0317	0.97467
575	Customer_Name	TONY_CHAPMAN	174.47	0.3271	0.74364	1E3	Customer_Name	JAY_KIMMEL	-12.588	-0.0336	0.97320
576	Customer_Name	MATT_COLLINS	174.18	0.3706	0.71100	1E3	City	HARLINGEN	12.336	0.0126	0.98993
577	Customer_Name	VICTORIA_WILSON	174.11	0.4251	0.67082	1E3	City	EDMONDS	-12.280	-0.0264	0.97898
578	Sub_Category	ENVELOPES	-173.29	-1.2745	0.20265	1E3	Customer_Name	AARON_SMAYLING	12.042	0.0197	0.98431
579	City	BURBANK	-172.72	-0.1790	0.85794	1E3	Customer_Name	KIMBERLY_CARTER	-11.825	-0.0197	0.98432
580	Customer_Name	BETH_THOMPSON	171.80	0.3068	0.75900	1E3	Customer_Name	DAVE_BROOKS	11.770	0.0204	0.98370
581	City	DETROIT	-171.65	-0.3049	0.76045	1E3	Customer_Name	CHRIS_MCAFEE	-11.348	-0.0205	0.98365
582	Customer_Name	RYAN_AKIN	171.57	0.3031	0.76184	1E3	City	SALINAS	10.979	0.0164	0.98693

SAS Enterprise Miner Report
Node=Interactive Regression
Regression Model Effects

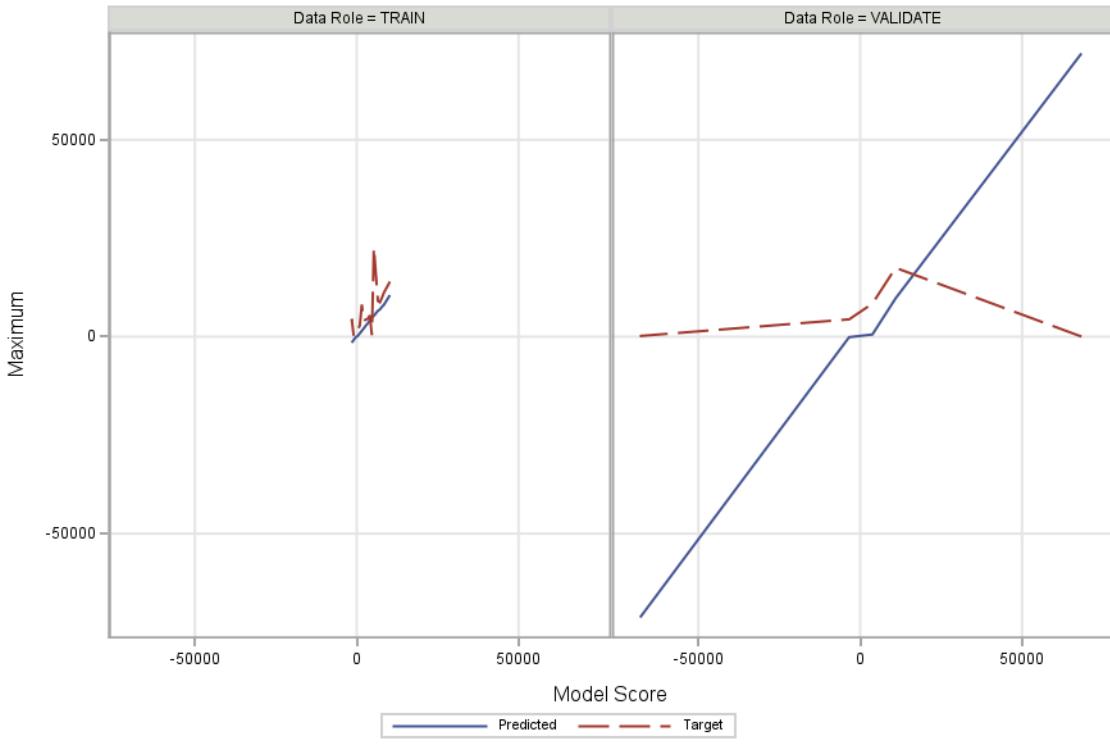
42

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
583	Postal_Code	90045	171.33	0.9729	0.33071	1E3	Customer_Name	CARL_LUDWIG	10.894	0.0231	0.98160
584	Customer_Name	HAROLD_ENGLE	170.78	0.3416	0.73267	1E3	City	DURHAM	-10.384	-0.0151	0.98795
585	Customer_Name	AIMEE_BIXBY	170.10	0.3191	0.74965	1E3	Customer_Name	NICK_CREBASSA	-9.884	-0.0180	0.98566
586	Customer_Name	OLVERA_TOCH	170.03	0.3510	0.72560	1E3	Customer_Name	BERENIKE_KAMPE	9.678	0.0213	0.98297
587	City	REDLANDS	-169.12	-0.2621	0.79328	1E3	Customer_Name	JONI_WASSERMAN	-9.387	-0.0222	0.98229
588	Customer_Name	EUGENE_HILDEBRAND	-169.01	-0.3659	0.71451	1E3	Customer_Name	JASPER_CACIOPPO	9.098	0.0160	0.98726
589	City	NEWARK	-168.99	-0.2689	0.78803	1E3	City	MANCHESTER	-8.776	-0.0133	0.98940
590	Postal_Code	60623	168.97	0.7935	0.42757	1E3	Customer_Name	FRANK_GASTINEAU	8.649	0.0205	0.98363
591	Customer_Name	NATALIE_DECHERNEY	168.91	0.4347	0.66381	1E3	Ship_Mode	FIRST_CLASS	8.333	0.2158	0.82919
592	Customer_Name	STEVE_NGUYEN	168.84	0.4286	0.66826	1E3	Postal_Code	19134	-8.315	-0.0457	0.96353
593	City	CHANDLER	-168.77	-0.2432	0.80790	1E3	Customer_Name	DON_WEISS	-8.008	-0.0135	0.98925
594	Customer_Name	TONY_MOLINARI	-168.72	-0.2334	0.81546	1E3	Customer_Name	TED_TREVINO	7.805	0.0182	0.98551
595	City	BRENTWOOD	168.30	0.2581	0.79637	1E3	Customer_Name	DIANNA_WILSON	7.372	0.0142	0.98871
596	Customer_Name	EMILY_PHAN	-167.62	-0.4243	0.67137	1E3	City	HOLLAND	7.196	0.0091	0.99275
597	City	ARLINGTON	-167.13	-0.2629	0.79267	1E3	Customer_Name	JOEL_EATON	-6.790	-0.0149	0.98814
598	Customer_Name	WILLIAM_BROWN	166.72	0.3722	0.70982	1E3	Customer_Name	CHRIS_SELESNICK	-6.725	-0.0159	0.98735
599	Customer_Name	GRACE_KELLY	166.43	0.3969	0.69146	1E3	Customer_Name	JOE_KAMEROVA	-6.507	-0.0139	0.98889
600	City	TROY	166.35	0.2442	0.80713	1E3	Postal_Code	2169	-6.394	-0.0078	0.99380
601	City	GREEN_BAY	166.28	0.1869	0.85173	1E3	Customer_Name	CRAIG_CARREIRA	6.315	0.0138	0.98901
602	Customer_Name	ALAN_BARNES	-166.05	-0.3208	0.74837	1E3	Postal_Code	39212	6.199	0.0164	0.98690
603	Customer_Name	DARREN_POWERS	165.89	0.2273	0.82022	1E3	Customer_Name	MICHELLE_TRAN	6.181	0.0112	0.99110
604	Customer_Name	JAMIE_FRAZER	165.22	0.3936	0.69392	1E3	Postal_Code	19120	6.041	0.0317	0.97473
605	City	HENDERSONVILLE	-165.18	-0.2185	0.82709	1E3	City	CARLSBAD	5.909	0.0081	0.99357
606	City	VANCOUVER	-164.99	-0.2151	0.82967	1E3	City	HARRISONBURG	-5.867	-0.0084	0.99327
607	Customer_Name	FRED_CHUNG	164.94	0.3408	0.73326	1E3	City	SHELTON	5.821	0.0065	0.99478
608	Customer_Name	JEREMY_FARRY	164.84	0.3810	0.70325	1E3	Customer_Name	ELLIS_BALLARD	-5.531	-0.0099	0.99211
609	City	AURORA	-164.65	-0.2779	0.78108	1E3	Customer_Name	GUY_ARMSTRONG	-5.310	-0.0139	0.98893
610	City	NORTH_LAS_VEGAS	-164.47	-0.2620	0.79337	1E3	Customer_Name	CANDACE_MCMAHON	5.114	0.0128	0.98975
611	City	WESTFIELD	-164.46	-0.1800	0.85718	1E3	Customer_Name	ANNE_MCFARLAND	4.651	0.0076	0.99395
612	Customer_Name	MICHAEL_MOORE	164.06	0.3422	0.73222	1E3	Postal_Code	90004	4.457	0.0239	0.98094
613	Customer_Name	PETE_ARMSTRONG	-163.97	-0.3180	0.75054	1E3	Customer_Name	JOHN_CASTELL	4.271	0.0080	0.99359
614	City	ANAHEIM	-163.83	-0.2620	0.79339	1E3	Customer_Name	TOBY_GNADE	-4.217	-0.0083	0.99339
615	Category	OFFICE_SUPPLIES	-163.51	-1.2225	0.22167	1E3	Customer_Name	BART_PISTOLE	4.021	0.0099	0.99207
616	City	FLORENCE	-163.01	-0.2399	0.81041	1E3	Customer_Name	DAMALA_KOTSONIS	3.638	0.0099	0.99210
617	Customer_Name	RUBEN_DARTT	162.96	0.3208	0.74838	1E3	Customer_Name	DENNY_BLANTON	3.615	0.0059	0.99528
618	Customer_Name	KEN_BRENNAN	162.64	0.3541	0.72329	1E3	Customer_Name	MICK_BROWN	-3.534	-0.0044	0.99653
619	Customer_Name	BRENDAN_DODSON	162.53	0.2179	0.82750	1E3	Customer_Name	ROSS_BAIRD	3.334	0.0082	0.99345
620	Customer_Name	FRED_MCMATH	162.17	0.2816	0.77826	1E3	Customer_Name	AARON_HAWKINS	3.009	0.0052	0.99588
621	Customer_Name	TIM_BROCKMAN	-162.06	-0.4241	0.67155	1E3	City	ODESSA	-2.542	-0.0029	0.99771
622	City	TEMECULA	-161.81	-0.2002	0.84138	1E3	City	WESTMINSTER	2.452	0.0039	0.99692
623	Postal_Code	38301	161.61	0.3119	0.75518	1E3	City	HUNTSVILLE	-2.423	-0.0038	0.99697
624	Customer_Name	HARRY_GREENE	160.31	0.3288	0.74231	1E3	Customer_Name	STEVE_CHAPMAN	2.337	0.0053	0.99575
625	City	GROVE_CITY	-159.95	-0.1727	0.86290	1E3	Customer_Name	JOE_ELIJAH	-2.335	-0.0058	0.99537
626	Customer_Name	JONATHAN_DOHERTY	158.84	0.4191	0.67517	1E3	City	BOZEMAN	2.291	0.0025	0.99799
627	Customer_Name	PETE_KRIZ	158.20	0.4177	0.67619	1E3	Customer_Name	KRISTINA_NUNN	-2.091	-0.0048	0.99620
628	Customer_Name	MARK_HABERLIN	157.45	0.2594	0.79532	1E3	Customer_Name	CLYTIE_KELTY	-1.884	-0.0039	0.99691
629	Customer_Name	ELIZABETH_MOFFITT	157.40	0.3577	0.72059	1E3	Customer_Name	MARINA_LICHENSTEIN	1.634	0.0034	0.99731
630	City	SAN_GABRIEL	157.12	0.1847	0.85349	1E3	Profit		1.241	22.6634	0.00000
631	Customer_Name	JOHN_STEVENS	-157.07	-0.2687	0.78816	1E3	Customer_Name	ANNIE_THURMAN	1.232	0.0027	0.99785
632	Customer_Name	CARLOS_SOLTERO	156.93	0.3968	0.69159	1E3	Customer_Name	TIM_TASLIMI	-0.819	-0.0011	0.99909
633	City	SAGINAW	-156.70	-0.2046	0.83791	1E3	Customer_Name	VICTOR_PREIS	-0.238	-0.0004	0.99966
634	Customer_Name	BRUCE_STEWART	156.20	0.4154	0.67788	1E3	Order_Date		-0.008	-0.1905	0.84891

SAS Enterprise Miner Report
 Node=Interactive Regression
 Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
 Node=Interactive Regression
 Score Distributions where TARGET='Sales'



Node=Interactive Regression
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
9957.934 - 10579.522	10579.52	10579.52	10579.52	13999.96	13999.96	13999.96
8093.171 - 8714.758	8114.39	8114.39	8114.39	11199.97	11199.97	11199.97
7471.583 - 8093.171	7582.49	7658.26	7506.71	9671.35	9892.74	9449.95
6849.995 - 7471.583	6937.31	6937.31	6937.31	8749.95	8749.95	8749.95
6228.407 - 6849.995	6585.95	6585.95	6585.95	9099.93	9099.93	9099.93
4985.231 - 5606.819	5324.86	5561.07	5055.36	5673.78	22638.48	8.02
4363.643 - 4985.231	4815.89	4815.89	4815.89	396.00	396.00	396.00
3742.055 - 4363.643	4142.03	4189.52	4108.49	4512.09	5443.96	3404.50
3120.467 - 3742.055	3408.91	3629.58	3188.25	4476.86	4548.81	4404.90
2498.880 - 3120.467	2840.03	3048.43	2580.90	3034.34	4367.90	1919.98
1877.292 - 2498.880	2121.06	2453.43	1877.82	1807.85	4007.84	52.14
1255.704 - 1877.292	1504.48	1858.84	1264.42	1404.18	8187.65	7.04
634.116 - 1255.704	849.89	1238.66	637.25	713.58	2803.92	2.74
12.528 - 634.116	221.16	633.85	12.57	158.85	1889.95	0.84
-609.060 - 12.528	-105.97	12.34	-597.91	37.63	1345.49	0.44
-1230.648 - -609.060	-806.56	-615.94	-1018.95	22.91	95.95	3.20
-1852.236 - -1230.648	-1510.81	-1297.43	-1852.24	1820.56	4499.99	64.70

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
64751.672 - 71927.056	71927.06	71927.06	71927.06	44.86	44.86	44.856
7348.604 - 14523.988	9748.73	11820.99	7676.47	9160.62	17499.95	821.300
173.221 - 7348.604	568.64	5096.49	173.53	351.70	8399.98	1.080
-7002.163 - 173.221	-107.70	172.37	-4316.59	92.47	4416.17	0.556
-71580.615 - -64405.231	-71272.61	-70964.61	-71580.61	146.85	194.32	99.372

SAS Enterprise Miner Report

Node=Stepwise Regression Summary

Node id = Reg4
 Node label = Stepwise Regression
 Meta path = lds2 => Part => Reg4
 Notes =

Node=Stepwise Regression Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Regression		Force	0		PolynomialDegree	2	
AbsConvValue	-1.34078E154	-7.237006E75	GConvTimes	1		PrintDesignMatrix	N	
AbsFTime	1		GConvValue	1E-6		Rule	NONE	
AbsFValue	0		Hierarchy	CLASS		SASSPDS	N	
AbsGTime	1		InputCoding	DEVIATION		SelectionCriterion	DEFAULT	
AbsGValue	0.00001		Interactions			SelectionDefault	Y	
AbsXTime	1		LinkFunction	LOGIT		Sequential	N	
AbsXValue	1E-8		MainEffect	Y		Simple	N	
CIParam	N		MaxCPUTime	1 HOUR		SIEntry	0.05	
ConvDefaults	Y		MaxFunctionCalls	.		SISStay	0.05	
CorB	N		MaxIterations	.		Start	0	
CovB	N		MaxStep	.		StepOutput	N	
Covout	N		MinResourceUse	N		Stop	0	
Details	N		ModelDefaults	Y		SuppressIntercept	N	
Error	LOGISTIC		ModelSelection	STEPWISE	NONE	SuppressOutput	N	
ExcludedVariable	REJECT		OptimizationTechnique	DEFAULT		Terms	N	
FConvTimes	1		Performance	N		TwoFactor	N	
FConvValue	0		Polynomial	N				

Node=Stepwise Regression Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

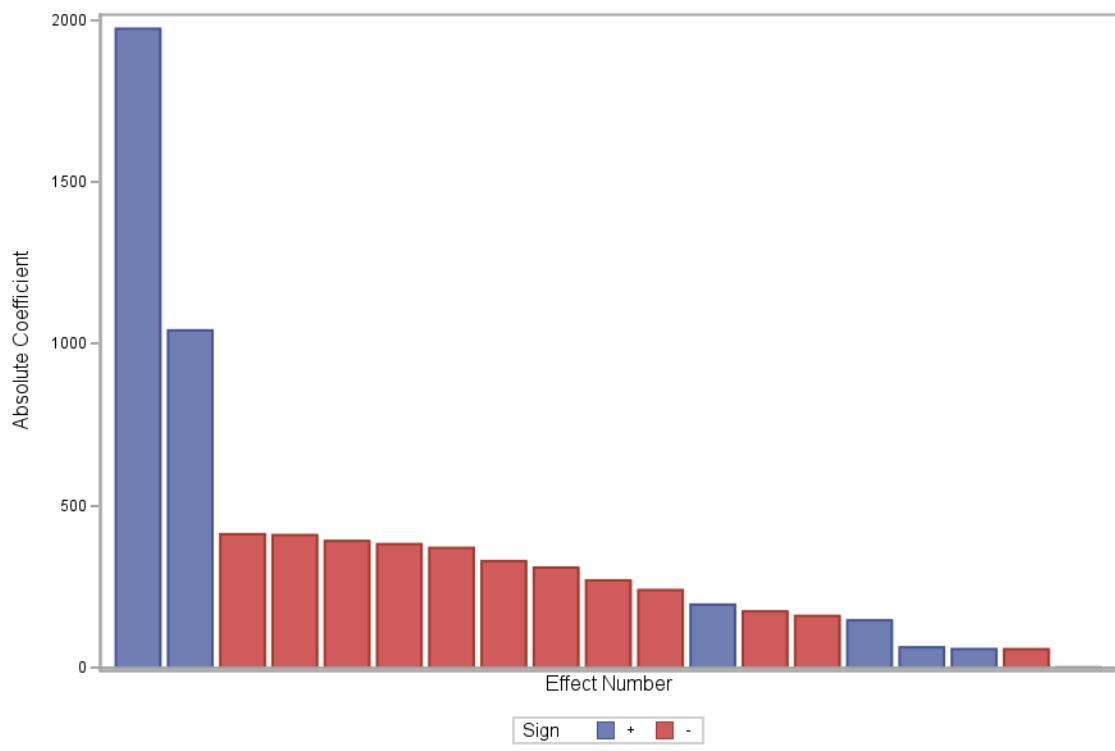
Node=Stepwise Regression Model Fit Statistics

Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Akaike's Information Criterion	40953.69	.	.
Average Squared Error	360104.43	184392.92	150809.51
Average Error Function	360104.43	184392.92	150809.51
Degrees of Freedom for Error	3179.00	.	.
Model Degrees of Freedom	19.00	.	.
Total Degrees of Freedom	3198.00	.	.
Divisor for ASE	3198.00	2399.00	2398.00
Error Function	1151613978.79	442358614.72	361641204.17
Final Prediction Error	364408.92	.	.
Maximum Absolute Error	22319.70	6319.70	7178.75
Mean Square Error	362256.68	184392.92	150809.51
Sum of Frequencies	3198.00	2399.00	2398.00
Number of Estimate Weights	19.00	.	.
Root Average Sum of Squares	600.09	429.41	388.34
Root Final Prediction Error	603.66	.	.
Root Mean Squared Error	601.88	429.41	388.34
Schwarz's Bayesian Criterion	41069.02	.	.
Sum of Squared Errors	1151613978.79	442358614.72	361641204.17
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00

SAS Enterprise Miner Report

Node=Stepwise Regression
Regression Model Effects

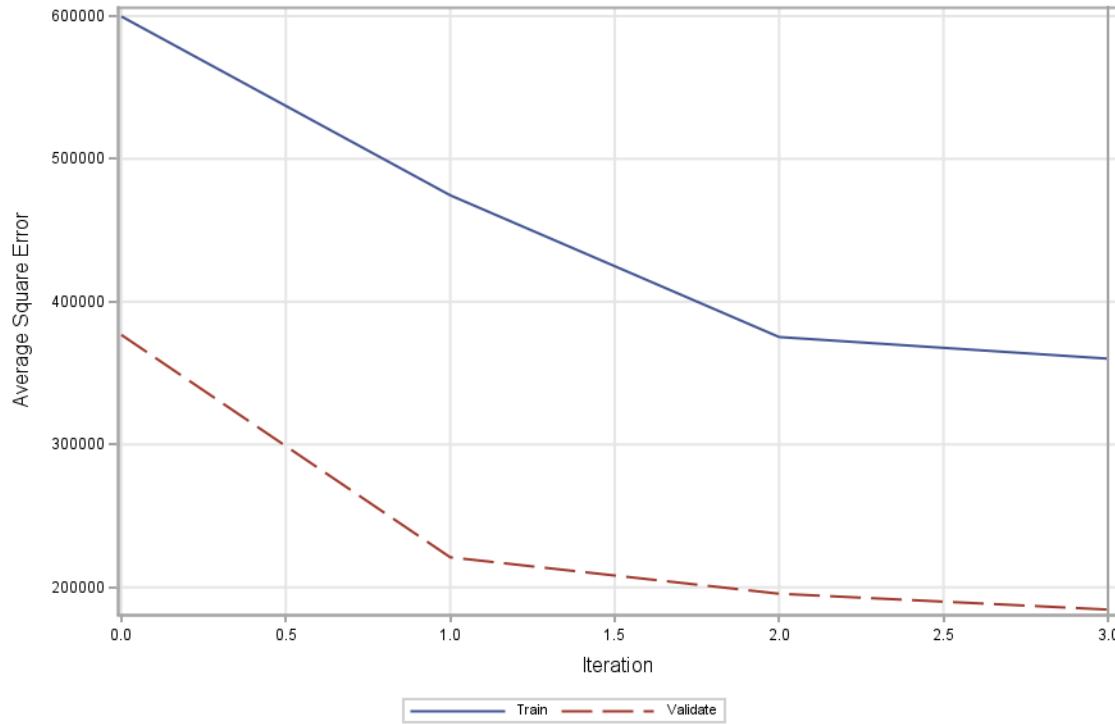


Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
1	Sub_Category	MACHINES	1973.95	22.2119	9.8773E-102	11	Sub_Category	APPLIANCES	-239.910	-5.0629	0.00000
2	Sub_Category	COPIERS	1042.20	6.9183	5.50593E-12	12	Intercept		195.007	8.0823	0.00000
3	Sub_Category	FASTENERS	-412.63	-6.1011	1.180279E-9	13	Sub_Category	STORAGE	-174.085	-4.5825	0.00000
4	Sub_Category	LABELS	-409.88	-7.4724	1.01222E-13	14	Sub_Category	SUPPLIES	-160.125	-2.3054	0.02121
5	Sub_Category	ART	-391.73	-10.4602	3.35788E-25	15	Sub_Category	BOOKCASES	146.454	2.2588	0.02396
6	Sub_Category	PAPER	-381.80	-11.7910	1.94298E-31	16	Sub_Category	CHAIRS	63.165	1.4312	0.15246
7	Sub_Category	ENVELOPES	-370.27	-5.4434	5.625187E-8	17	Quantity		57.693	11.5654	0.00000
8	Sub_Category	FURNISHINGS	-329.39	-9.3397	1.76221E-20	18	Sub_Category	PHONES	-57.330	-1.5221	0.12809
9	Sub_Category	BINDERS	-309.31	-10.2757	2.17359E-24	19	Profit		1.213	31.0324	0.00000
10	Sub_Category	ACCESSORIES	-269.83	-6.8851	6.93159E-12

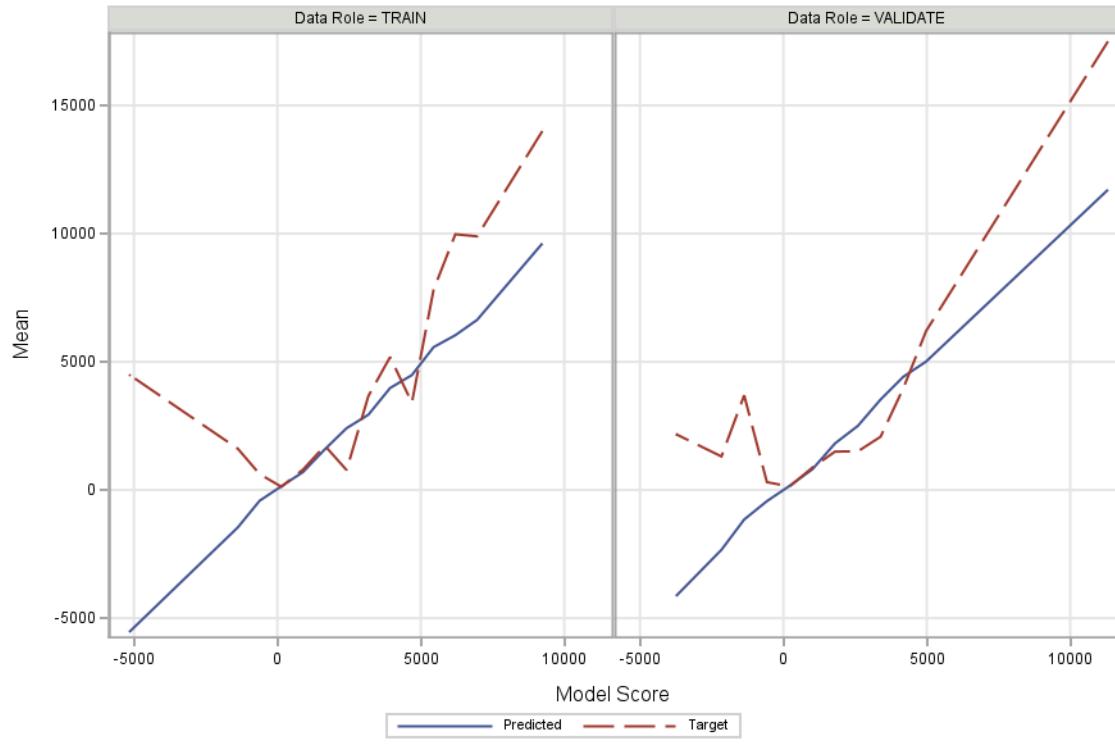
SAS Enterprise Miner Report
Node=Stepwise Regression
Model Iteration Plots

47

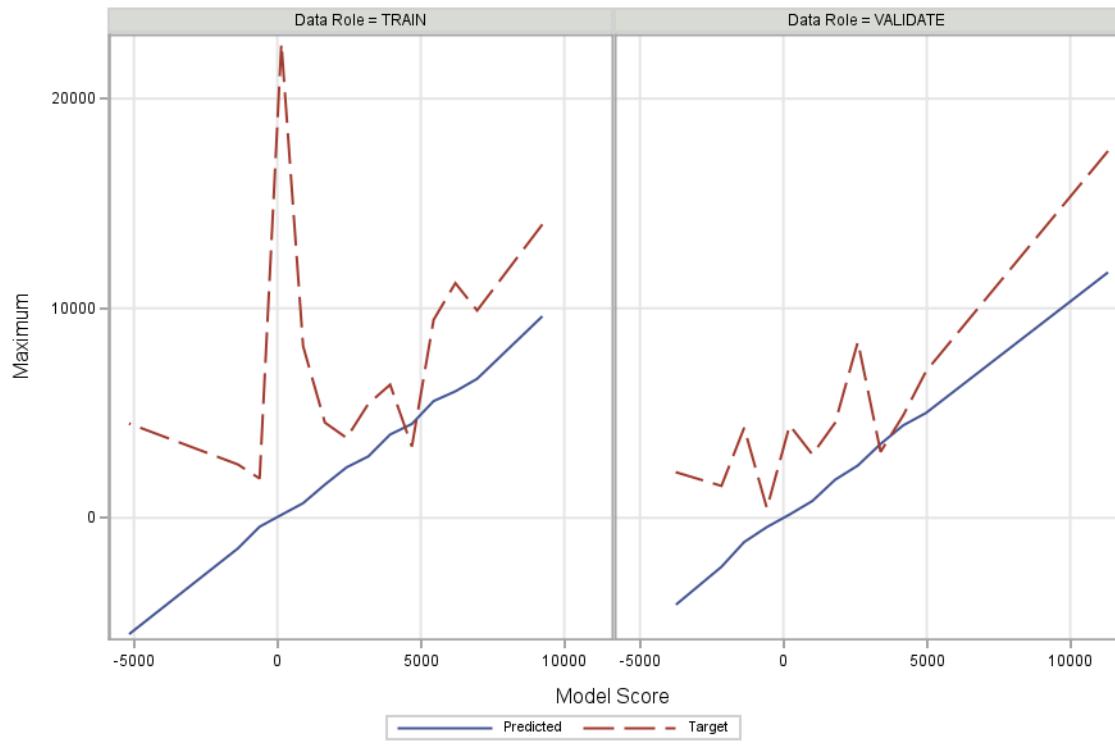
SAS Enterprise Miner Report
Node=Stepwise Regression
Model Iteration Plots



SAS Enterprise Miner Report
Node=Stepwise Regression
Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
Node=Stepwise Regression
Score Distributions where TARGET='Sales'



Node=Stepwise Regression
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8859.237 - 9617.435	9617.43	9617.43	9617.43	13999.96	13999.96	13999.96
6584.645 - 7342.843	6634.27	6634.27	6634.27	9892.74	9892.74	9892.74
5826.448 - 6584.645	6037.42	6221.83	5853.02	9974.96	11199.97	8749.95
5068.251 - 5826.448	5572.07	5789.64	5442.08	7816.60	9449.95	4899.93
4310.053 - 5068.251	4480.48	4480.48	4480.48	3404.50	3404.50	3404.50
3551.856 - 4310.053	3977.01	4039.31	3864.16	5184.95	6354.95	3999.95
2793.659 - 3551.856	2934.43	3153.39	2800.11	3663.71	5443.96	2879.95
2035.462 - 2793.659	2410.49	2774.05	2036.44	773.53	3812.97	71.98
1277.264 - 2035.462	1586.91	2030.97	1284.96	1725.39	4548.81	269.97
519.067 - 1277.264	702.42	1268.37	519.31	800.36	8187.65	13.47
-239.130 - 519.067	143.27	518.38	-213.32	124.51	22638.48	0.44
-997.328 - -239.130	-420.51	-295.60	-875.57	619.29	1875.26	177.98
-1755.525 - -997.328	-1457.83	-1076.80	-1665.81	1606.41	2549.99	896.99
-5546.511 - -4788.314	-5546.51	-5546.51	-5546.51	4499.99	4499.99	4499.99

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
10919.762 - 11712.492	11712.49	11712.49	11712.49	17499.95	17499.95	17499.95
4577.918 - 5370.648	5007.98	5116.20	4899.76	6199.94	6999.96	5399.91
3785.187 - 4577.918	4417.00	4433.91	4400.10	3969.97	4899.93	3040.00
2992.457 - 3785.187	3529.15	3733.98	3417.02	2078.25	3149.93	1379.92
2199.726 - 2992.457	2499.62	2904.20	2204.77	1504.27	8399.98	12.59
1406.996 - 2199.726	1819.76	2197.75	1461.73	1497.75	4535.98	101.99
614.265 - 1406.996	806.45	1394.25	616.31	874.57	3023.93	38.39
-178.466 - 614.265	162.04	613.80	-175.18	136.96	4416.17	0.56
-971.196 - -178.466	-436.97	-278.53	-685.40	303.84	456.59	143.13
-1763.927 - -971.196	-1153.43	-1032.92	-1273.93	3690.54	4297.64	3083.43
-2556.657 - -1763.927	-2335.40	-2128.21	-2542.58	1306.99	1525.19	1088.79
-4142.118 - -3349.388	-4142.12	-4142.12	-4142.12	2177.58	2177.58	2177.58

SAS Enterprise Miner Report

Node=Backward Regression Summary

Node id = Reg3
 Node label = Backward Regression
 Meta path = lds2 => Part => Reg3
 Notes =

Node=Backward Regression Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Regression		Force	0		PolynomialDegree	2	
AbsConvValue	-1.34078E154	-7.237006E75	GConvTimes	1		PrintDesignMatrix	N	
AbsFTime	1		GConvValue	1E-6		Rule	NONE	
AbsFValue	0		Hierarchy	CLASS		SASSPDS	N	
AbsGTime	1		InputCoding	DEVIATION		SelectionCriterion	DEFAULT	
AbsGValue	0.00001		Interactions			SelectionDefault	Y	
AbsXTime	1		LinkFunction	LOGIT		Sequential	N	
AbsXValue	1E-8		MainEffect	Y		Simple	N	
CIParam	N		MaxCPUTime	1 HOUR		SIEntry	0.05	
ConvDefaults	Y		MaxFunctionCalls	.		SISStay	0.05	
CorB	N		MaxIterations	.		Start	0	
CovB	N		MaxStep	.		StepOutput	N	
Covout	N		MinResourceUse	N		Stop	0	
Details	N		ModelDefaults	Y		SuppressIntercept	N	
Error	LOGISTIC		ModelSelection	BACKWARD	NONE	SuppressOutput	N	
ExcludedVariable	REJECT		OptimizationTechnique	DEFAULT		Terms	N	
FConvTimes	1		Performance	N		TwoFactor	N	
FConvValue	0		Polynomial	N				

Node=Backward Regression Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

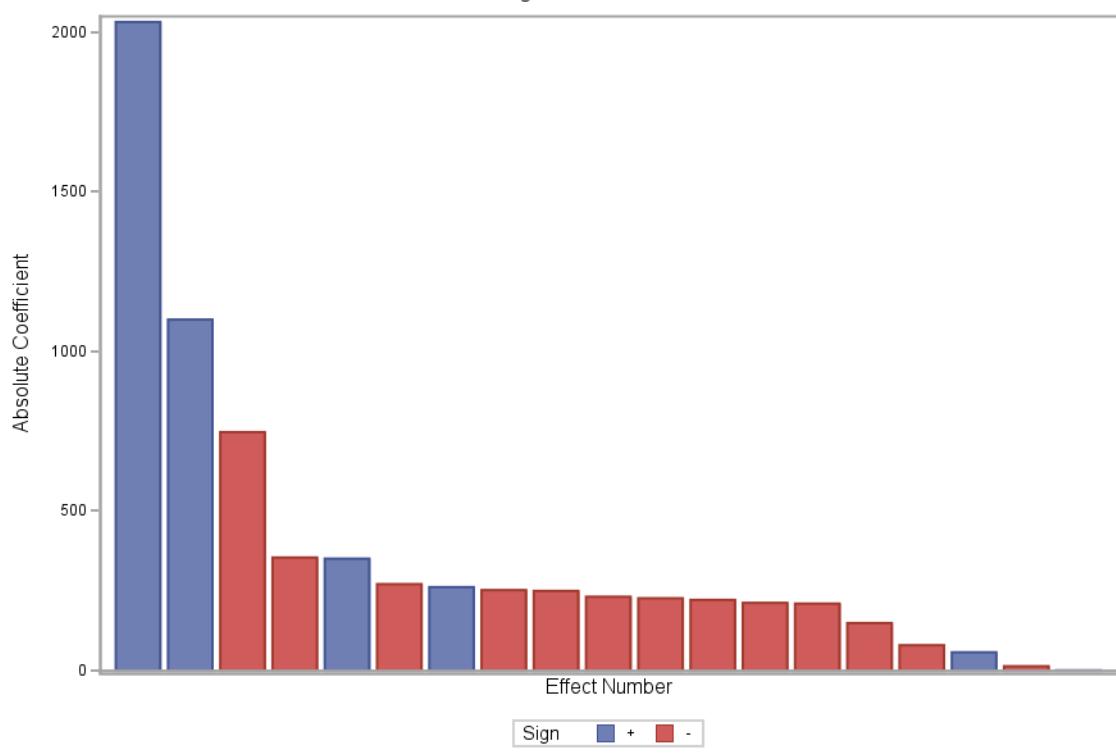
Node=Backward Regression Model Fit Statistics

Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Akaike's Information Criterion	40953.69	.	.
Average Squared Error	360104.43	184392.92	150809.51
Average Error Function	360104.43	184392.92	150809.51
Degrees of Freedom for Error	3179.00	.	.
Model Degrees of Freedom	19.00	.	.
Total Degrees of Freedom	3198.00	.	.
Divisor for ASE	3198.00	2399.00	2398.00
Error Function	1151613978.79	442358614.72	361641204.17
Final Prediction Error	364408.92	.	.
Maximum Absolute Error	22319.70	6319.70	7178.75
Mean Square Error	362256.68	184392.92	150809.51
Sum of Frequencies	3198.00	2399.00	2398.00
Number of Estimate Weights	19.00	.	.
Root Average Sum of Squares	600.09	429.41	388.34
Root Final Prediction Error	603.66	.	.
Root Mean Squared Error	601.88	429.41	388.34
Schwarz's Bayesian Criterion	41069.02	.	.
Sum of Squared Errors	1151613978.79	442358614.72	361641204.17
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00

SAS Enterprise Miner Report

Node=Backward Regression
Regression Model Effects

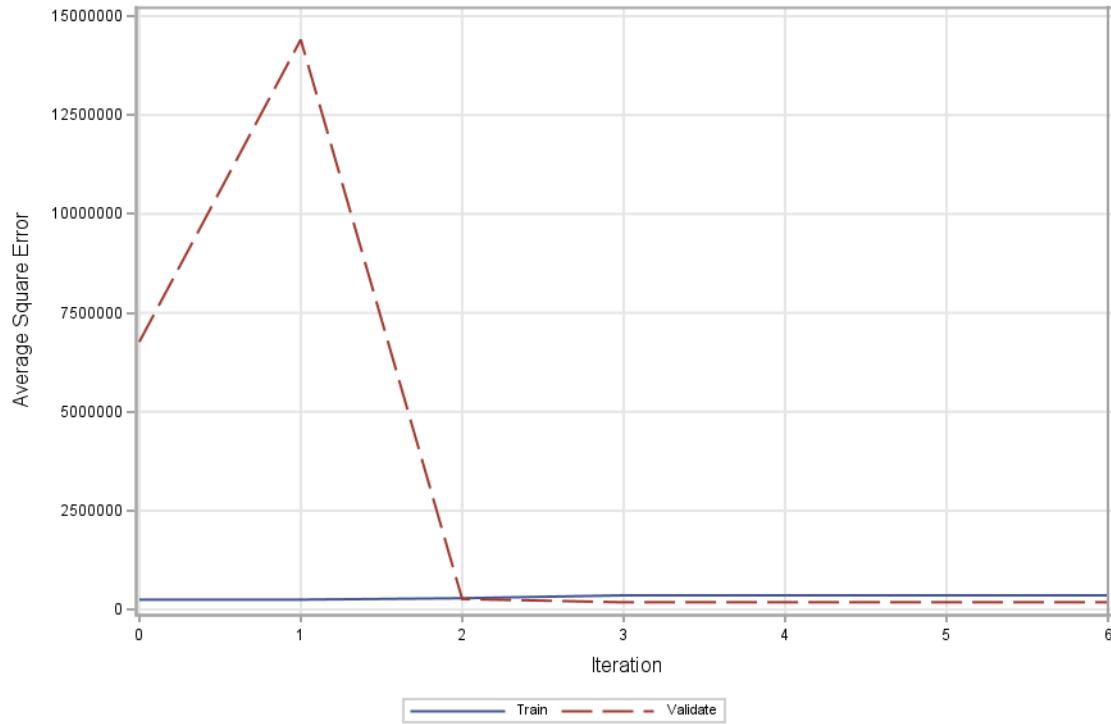


Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
1	Sub_Category	MACHINES	2031.28	20.3297	0.00000	11	Category	OFFICE_SUPPLIES	-226.844	-2.3054	0.02121
2	Sub_Category	COPIERS	1099.53	6.7321	0.00000	12	Sub_Category	PAPER	-221.670	-2.8408	0.00453
3	Sub_Category	FURNISHINGS	-747.00	-4.6186	0.00000	13	Sub_Category	ACCESSORIES	-212.504	-4.0246	0.00006
4	Sub_Category	CHAIRS	-354.45	-2.1754	0.02967	14	Sub_Category	ENVELOPES	-210.145	-2.0860	0.03706
5	Category	FURNITURE	350.89	2.6796	0.00741	15	Sub_Category	BINDERS	-149.183	-1.9364	0.05291
6	Sub_Category	BOOKCASES	-271.16	-1.6251	0.10424	16	Sub_Category	APPLIANCES	-79.785	-0.9244	0.35533
7	Intercept		261.73	6.9628	0.00000	17	Quantity		57.693	11.5654	0.00000
8	Sub_Category	FASTENERS	-252.50	-2.5144	0.01197	18	Sub_Category	STORAGE	-13.959	-0.1727	0.86288
9	Sub_Category	LABELS	-249.75	-2.7391	0.00619	19	Profit		1.213	31.0324	0.00000
10	Sub_Category	ART	-231.60	-2.8750	0.00407

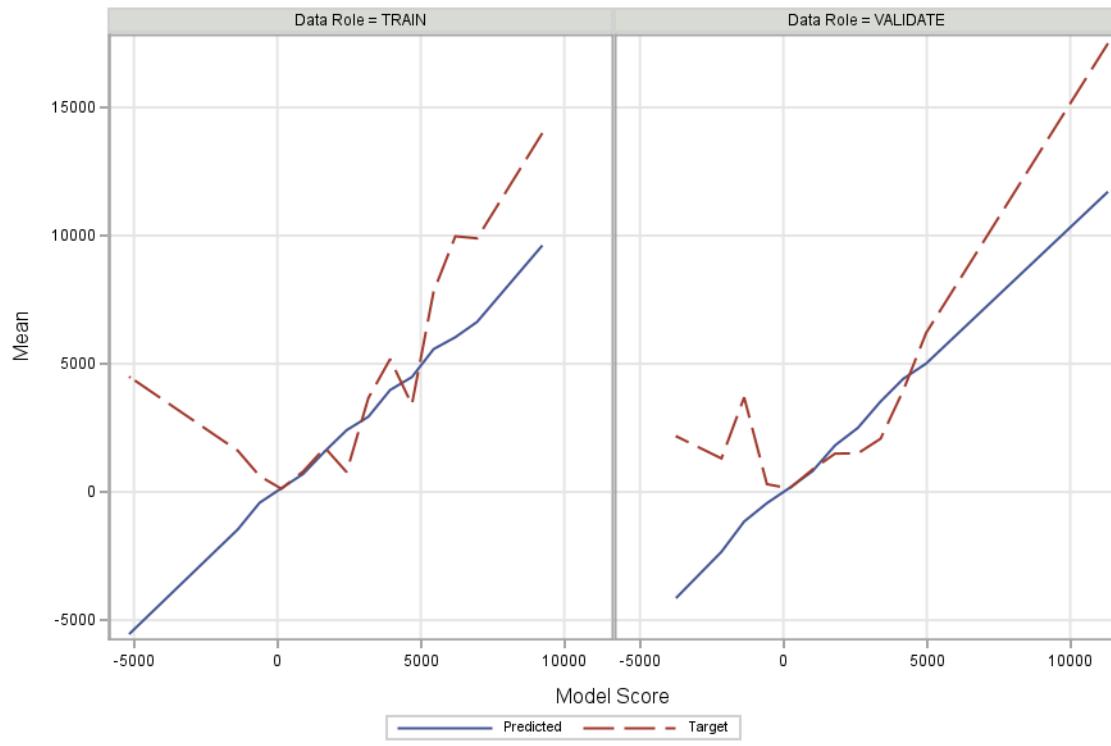
SAS Enterprise Miner Report
Node=Backward Regression
Model Iteration Plots

51

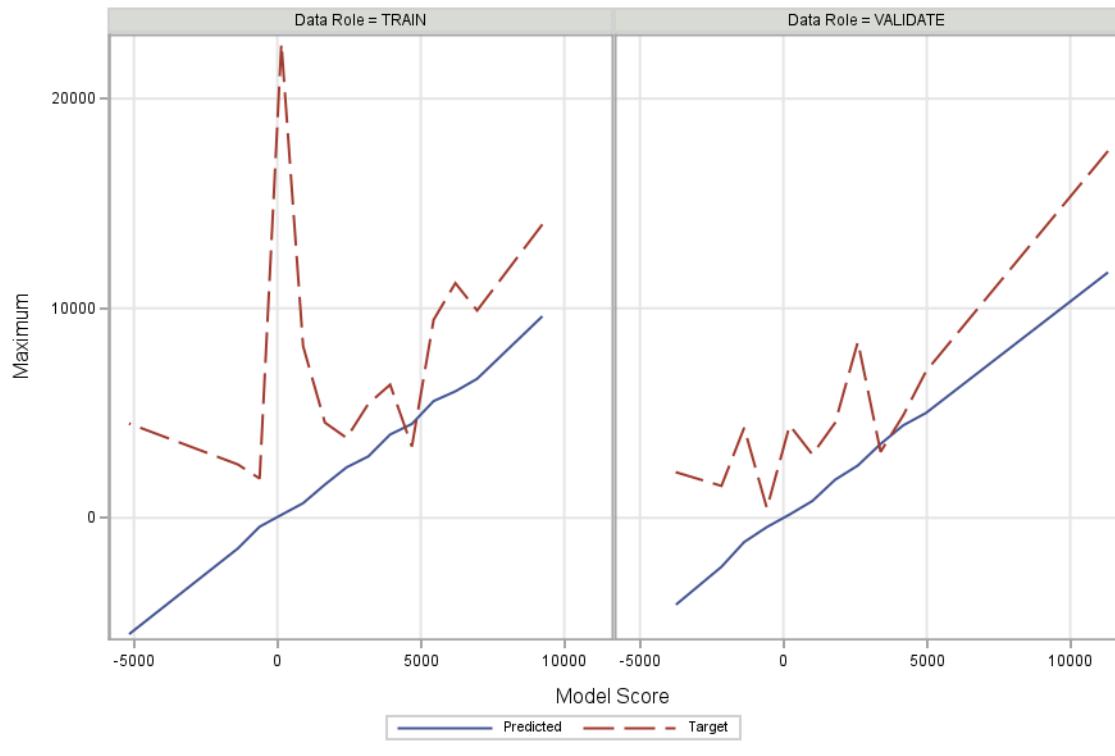
SAS Enterprise Miner Report
Node=Backward Regression
Model Iteration Plots



SAS Enterprise Miner Report
Node=Backward Regression
Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
 Node=Backward Regression
 Score Distributions where TARGET='Sales'



Node=Backward Regression
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8859.237 - 9617.435	9617.43	9617.43	9617.43	13999.96	13999.96	13999.96
6584.645 - 7342.843	6634.27	6634.27	6634.27	9892.74	9892.74	9892.74
5826.448 - 6584.645	6037.42	6221.83	5853.02	9974.96	11199.97	8749.95
5068.251 - 5826.448	5572.07	5789.64	5442.08	7816.60	9449.95	4899.93
4310.053 - 5068.251	4480.48	4480.48	4480.48	3404.50	3404.50	3404.50
3551.856 - 4310.053	3977.01	4039.31	3864.16	5184.95	6354.95	3999.95
2793.659 - 3551.856	2934.43	3153.39	2800.11	3663.71	5443.96	2879.95
2035.462 - 2793.659	2410.49	2774.05	2036.44	773.53	3812.97	71.98
1277.264 - 2035.462	1586.91	2030.97	1284.96	1725.39	4548.81	269.97
519.067 - 1277.264	702.42	1268.37	519.31	800.36	8187.65	13.47
-239.130 - 519.067	143.27	518.38	-213.32	124.51	22638.48	0.44
-997.328 - -239.130	-420.51	-295.60	-875.57	619.29	1875.26	177.98
-1755.525 - -997.328	-1457.83	-1076.80	-1665.81	1606.41	2549.99	896.99
-5546.511 - -4788.314	-5546.51	-5546.51	-5546.51	4499.99	4499.99	4499.99

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
10919.762 - 11712.492	11712.49	11712.49	11712.49	17499.95	17499.95	17499.95
4577.918 - 5370.648	5007.98	5116.20	4899.76	6199.94	6999.96	5399.91
3785.187 - 4577.918	4417.00	4433.91	4400.10	3969.97	4899.93	3040.00
2992.457 - 3785.187	3529.15	3733.98	3417.02	2078.25	3149.93	1379.92
2199.726 - 2992.457	2499.62	2904.20	2204.77	1504.27	8399.98	12.59
1406.996 - 2199.726	1819.76	2197.75	1461.73	1497.75	4535.98	101.99
614.265 - 1406.996	806.45	1394.25	616.31	874.57	3023.93	38.39
-178.466 - 614.265	162.04	613.80	-175.18	136.96	4416.17	0.56
-971.196 - -178.466	-436.97	-278.53	-685.40	303.84	456.59	143.13
-1763.927 - -971.196	-1153.43	-1032.92	-1273.93	3690.54	4297.64	3083.43
-2556.657 - -1763.927	-2335.40	-2128.21	-2542.58	1306.99	1525.19	1088.79
-4142.118 - -3349.388	-4142.12	-4142.12	-4142.12	2177.58	2177.58	2177.58

SAS Enterprise Miner Report

Node=Forward Regression Summary

Node id = Reg2
 Node label = Forward Regression
 Meta path = lds2 => Part => Reg2
 Notes =

Node=Forward Regression Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Regression		Force	0		PolynomialDegree	2	
AbsConvValue	-1.34078E154	-7.237006E75	GConvTimes	1		PrintDesignMatrix	N	
AbsFTime	1		GConvValue	1E-6		Rule	NONE	
AbsFValue	0		Hierarchy	CLASS		SASSPDS	N	
AbsGTime	1		InputCoding	DEVIATION		SelectionCriterion	DEFAULT	
AbsGValue	0.00001		Interactions			SelectionDefault	Y	
AbsXTime	1		LinkFunction	LOGIT		Sequential	N	
AbsXValue	1E-8		MainEffect	Y		Simple	N	
CIParam	N		MaxCPUTime	1 HOUR		SIEntry	0.05	
ConvDefaults	Y		MaxFunctionCalls	.		SISStay	0.05	
CorB	N		MaxIterations	.		Start	0	
CovB	N		MaxStep	.		StepOutput	N	
Covout	N		MinResourceUse	N		Stop	0	
Details	N		ModelDefaults	Y		SuppressIntercept	N	
Error	LOGISTIC		ModelSelection	FORWARD	NONE	SuppressOutput	N	
ExcludedVariable	REJECT		OptimizationTechnique	DEFAULT		Terms	N	
FConvTimes	1		Performance	N		TwoFactor	N	
FConvValue	0		Polynomial	N				

Node=Forward Regression Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

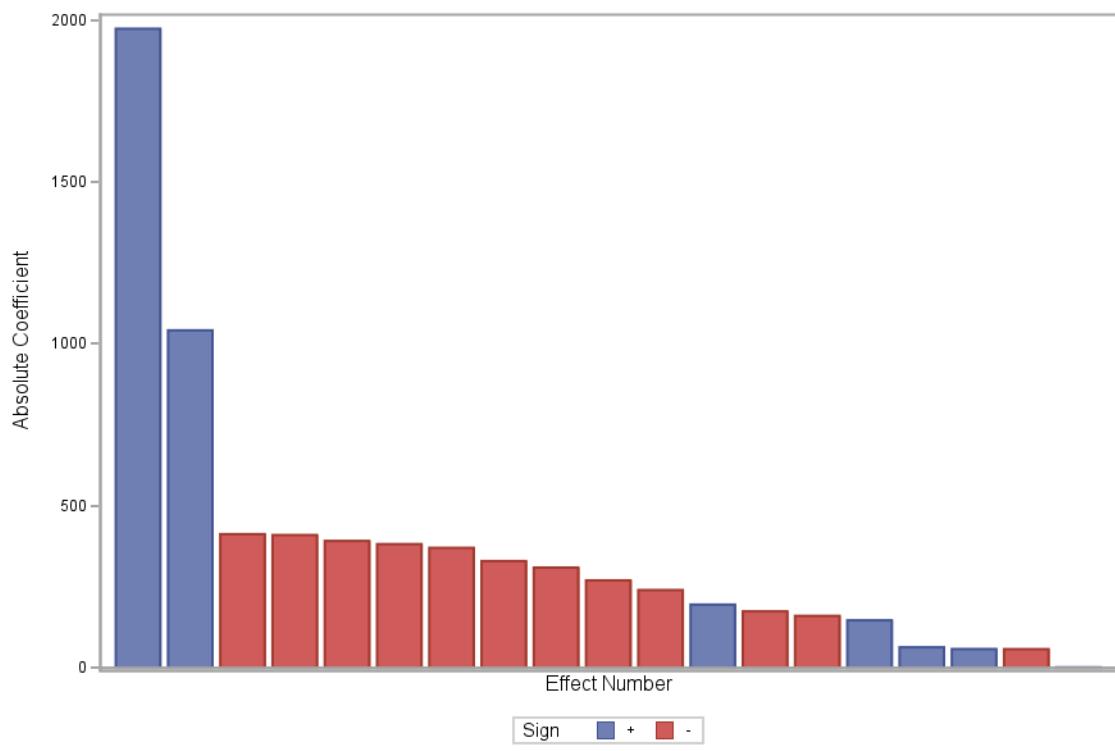
Node=Forward Regression Model Fit Statistics

Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Akaike's Information Criterion	40953.69	.	.
Average Squared Error	360104.43	184392.92	150809.51
Average Error Function	360104.43	184392.92	150809.51
Degrees of Freedom for Error	3179.00	.	.
Model Degrees of Freedom	19.00	.	.
Total Degrees of Freedom	3198.00	.	.
Divisor for ASE	3198.00	2399.00	2398.00
Error Function	1151613978.79	442358614.72	361641204.17
Final Prediction Error	364408.92	.	.
Maximum Absolute Error	22319.70	6319.70	7178.75
Mean Square Error	362256.68	184392.92	150809.51
Sum of Frequencies	3198.00	2399.00	2398.00
Number of Estimate Weights	19.00	.	.
Root Average Sum of Squares	600.09	429.41	388.34
Root Final Prediction Error	603.66	.	.
Root Mean Squared Error	601.88	429.41	388.34
Schwarz's Bayesian Criterion	41069.02	.	.
Sum of Squared Errors	1151613978.79	442358614.72	361641204.17
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00

SAS Enterprise Miner Report

Node=Forward Regression
Regression Model Effects

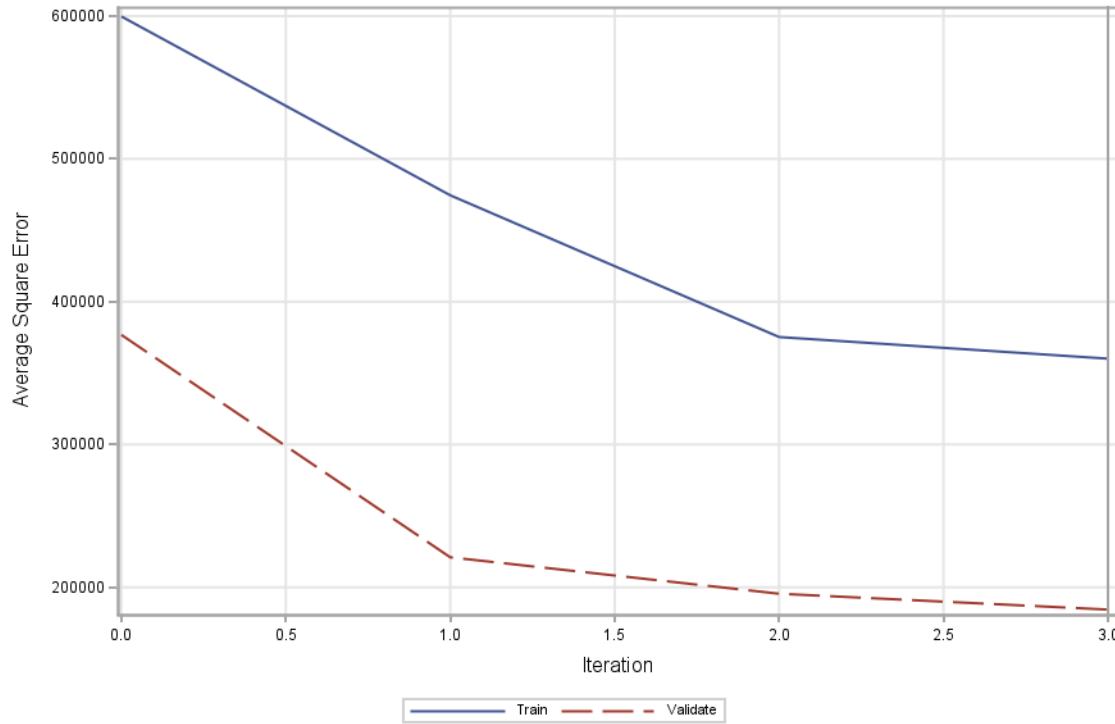


Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
1	Sub_Category	MACHINES	1973.95	22.2119	9.8773E-102	11	Sub_Category	APPLIANCES	-239.910	-5.0629	0.00000
2	Sub_Category	COPIERS	1042.20	6.9183	5.50593E-12	12	Intercept		195.007	8.0823	0.00000
3	Sub_Category	FASTENERS	-412.63	-6.1011	1.180279E-9	13	Sub_Category	STORAGE	-174.085	-4.5825	0.00000
4	Sub_Category	LABELS	-409.88	-7.4724	1.01222E-13	14	Sub_Category	SUPPLIES	-160.125	-2.3054	0.02121
5	Sub_Category	ART	-391.73	-10.4602	3.35788E-25	15	Sub_Category	BOOKCASES	146.454	2.2588	0.02396
6	Sub_Category	PAPER	-381.80	-11.7910	1.94298E-31	16	Sub_Category	CHAIRS	63.165	1.4312	0.15246
7	Sub_Category	ENVELOPES	-370.27	-5.4434	5.625187E-8	17	Quantity		57.693	11.5654	0.00000
8	Sub_Category	FURNISHINGS	-329.39	-9.3397	1.76221E-20	18	Sub_Category	PHONES	-57.330	-1.5221	0.12809
9	Sub_Category	BINDERS	-309.31	-10.2757	2.17359E-24	19	Profit		1.213	31.0324	0.00000
10	Sub_Category	ACCESSORIES	-269.83	-6.8851	6.93159E-12

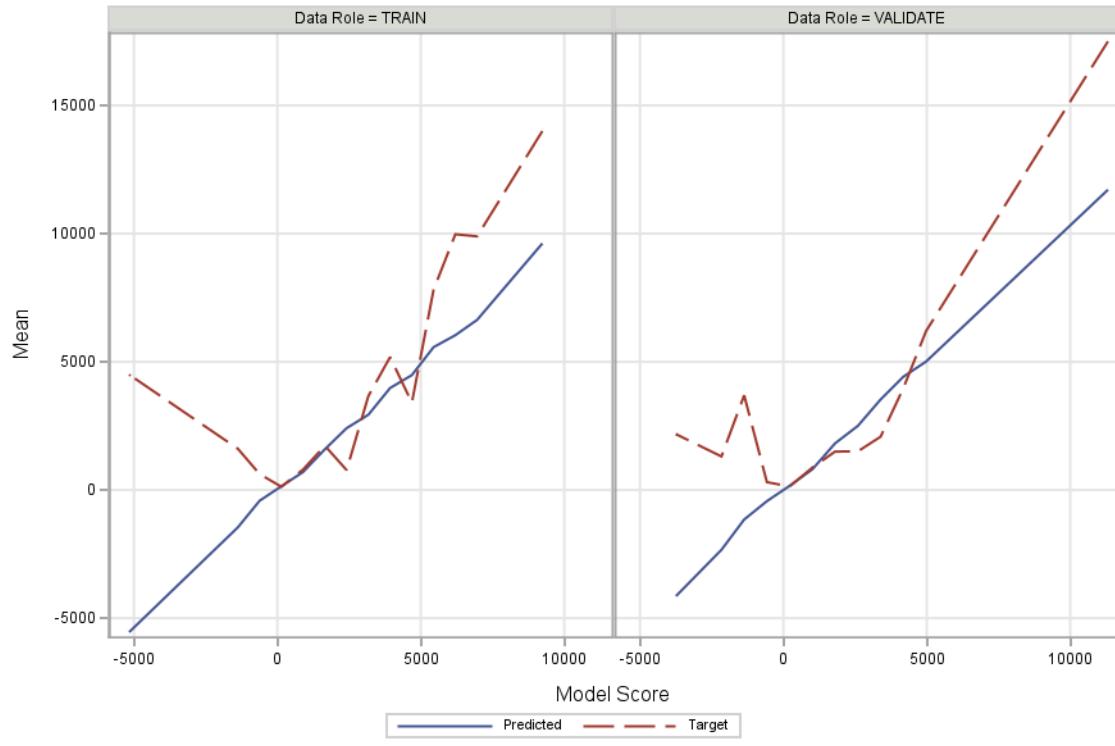
SAS Enterprise Miner Report
Node=Forward Regression
Model Iteration Plots

55

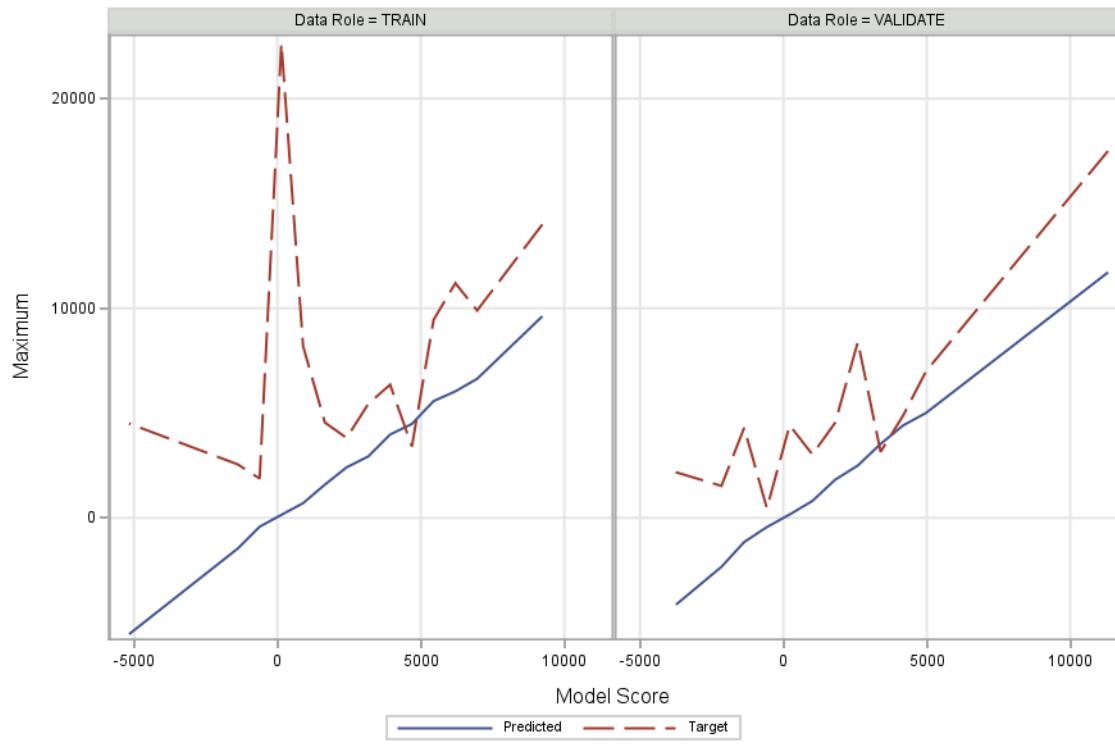
SAS Enterprise Miner Report
Node=Forward Regression
Model Iteration Plots



SAS Enterprise Miner Report
Node=Forward Regression
Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
 Node=Forward Regression
 Score Distributions where TARGET='Sales'



Node=Forward Regression
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
8859.237 - 9617.435	9617.43	9617.43	9617.43	13999.96	13999.96	13999.96
6584.645 - 7342.843	6634.27	6634.27	6634.27	9892.74	9892.74	9892.74
5826.448 - 6584.645	6037.42	6221.83	5853.02	9974.96	11199.97	8749.95
5068.251 - 5826.448	5572.07	5789.64	5442.08	7816.60	9449.95	4899.93
4310.053 - 5068.251	4480.48	4480.48	4480.48	3404.50	3404.50	3404.50
3551.856 - 4310.053	3977.01	4039.31	3864.16	5184.95	6354.95	3999.95
2793.659 - 3551.856	2934.43	3153.39	2800.11	3663.71	5443.96	2879.95
2035.462 - 2793.659	2410.49	2774.05	2036.44	773.53	3812.97	71.98
1277.264 - 2035.462	1586.91	2030.97	1284.96	1725.39	4548.81	269.97
519.067 - 1277.264	702.42	1268.37	519.31	800.36	8187.65	13.47
-239.130 - 519.067	143.27	518.38	-213.32	124.51	22638.48	0.44
-997.328 - -239.130	-420.51	-295.60	-875.57	619.29	1875.26	177.98
-1755.525 - -997.328	-1457.83	-1076.80	-1665.81	1606.41	2549.99	896.99
-5546.511 - -4788.314	-5546.51	-5546.51	-5546.51	4499.99	4499.99	4499.99

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
10919.762 - 11712.492	11712.49	11712.49	11712.49	17499.95	17499.95	17499.95
4577.918 - 5370.648	5007.98	5116.20	4899.76	6199.94	6999.96	5399.91
3785.187 - 4577.918	4417.00	4433.91	4400.10	3969.97	4899.93	3040.00
2992.457 - 3785.187	3529.15	3733.98	3417.02	2078.25	3149.93	1379.92
2199.726 - 2992.457	2499.62	2904.20	2204.77	1504.27	8399.98	12.59
1406.996 - 2199.726	1819.76	2197.75	1461.73	1497.75	4535.98	101.99
614.265 - 1406.996	806.45	1394.25	616.31	874.57	3023.93	38.39
-178.466 - 614.265	162.04	613.80	-175.18	136.96	4416.17	0.56
-971.196 - -178.466	-436.97	-278.53	-685.40	303.84	456.59	143.13
-1763.927 - -971.196	-1153.43	-1032.92	-1273.93	3690.54	4297.64	3083.43
-2556.657 - -1763.927	-2335.40	-2128.21	-2542.58	1306.99	1525.19	1088.79
-4142.118 - -3349.388	-4142.12	-4142.12	-4142.12	2177.58	2177.58	2177.58

SAS Enterprise Miner Report

Node=Exhaustive Regression Summary

Node id = Reg
 Node label = Exhaustive Regression
 Meta path = lds2 => Part => Reg
 Notes =

Node=Exhaustive Regression Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Regression		Force	0		PolynomialDegree	2	
AbsConvValue	-1.34078E154	-7.237006E75	GConvTimes	1		PrintDesignMatrix	N	
AbsFTime	1		GConvValue	1E-6		Rule	NONE	
AbsFValue	0		Hierarchy	CLASS		SASSPDS	N	
AbsGTime	1		InputCoding	DEVIATION		SelectionCriterion	DEFAULT	
AbsGValue	0.00001		Interactions			SelectionDefault	Y	
AbsXTime	1		LinkFunction	LOGIT		Sequential	N	
AbsXValue	1E-8		MainEffect	Y		Simple	N	
CIParam	N		MaxCPUTime	1 HOUR		SIEntry	0.05	
ConvDefaults	Y		MaxFunctionCalls	.		SISStay	0.05	
CorB	N		MaxIterations	.		Start	0	
CovB	N		MaxStep	.		StepOutput	N	
Covout	N		MinResourceUse	N		Stop	0	
Details	N		ModelDefaults	Y		SuppressIntercept	N	
Error	LOGISTIC		ModelSelection	NONE		SuppressOutput	N	
ExcludedVariable	REJECT		OptimizationTechnique	DEFAULT		Terms	N	
FConvTimes	1		Performance	N		TwoFactor	N	
FConvValue	0		Polynomial	N				

Node=Exhaustive Regression Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales
INPUT	INTERVAL	5	Discount Order_Date Profit Quantity Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

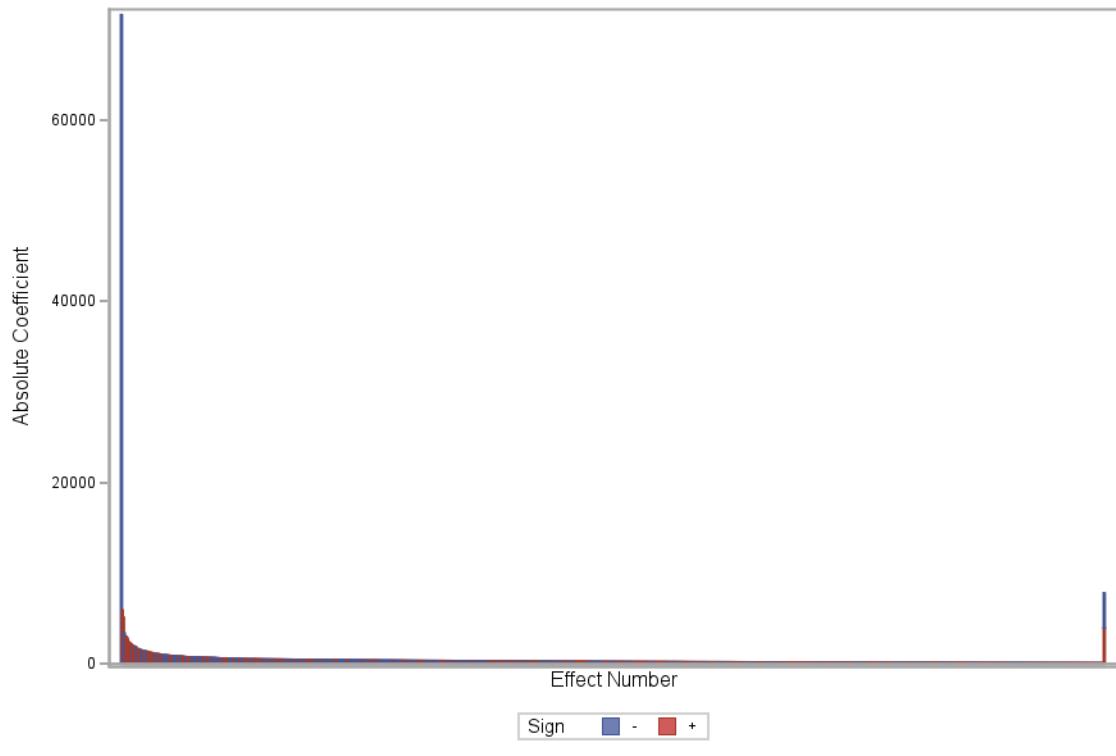
Node=Exhaustive Regression Model Fit Statistics

Target=Sales Target Label=Sales

Label of Statistic	Train	Validation	Test
Akaike's Information Criterion	42294.81	.	.
Average Squared Error	250797.04	6764006.60	11177864.64
Average Error Function	250797.04	6764006.60	11177864.64
Degrees of Freedom for Error	1930.00	.	.
Model Degrees of Freedom	1268.00	.	.
Total Degrees of Freedom	3198.00	.	.
Divisor for ASE	3198.00	2399.00	2398.00
Error Function	802048931.55	16226851841.52	26804519401.20
Final Prediction Error	580341.75	.	.
Maximum Absolute Error	17077.41	71882.20	73028.74
Mean Square Error	415569.39	6764006.60	11177864.64
Sum of Frequencies	3198.00	2399.00	2398.00
Number of Estimate Weights	1268.00	.	.
Root Average Sum of Squares	500.80	2600.77	3343.33
Root Final Prediction Error	761.80	.	.
Root Mean Squared Error	644.65	2600.77	3343.33
Schwarz's Bayesian Criterion	49991.93	.	.
Sum of Squared Errors	802048931.55	16226851841.52	26804519401.20
Sum of Case Weights Times Freq	3198.00	2399.00	2398.00

SAS Enterprise Miner Report

Node=Exhaustive Regression
Regression Model Effects



Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
1	Customer_Name	DARIO_MEDINA	-71631.60	-0.3267	0.74394	635	Customer_Name	TONJA_TURNELL	156.138	0.4168	0.67686
2	City	PASCO	5878.55	0.9647	0.33483	636	City	CLEVELAND	-155.645	-0.2699	0.78725
3	Customer_Name	SEAN_MILLER	5099.42	10.9665	0.00000	637	City	MERIDEN	-155.642	-0.2140	0.83055
4	Postal_Code	28110	-3343.41	-4.7738	0.00000	638	Customer_Name	JANET_MOLINARI	155.324	0.3777	0.70568
5	City	POMONA	-2959.05	-3.0940	0.00200	639	City	OCEANSIDE	-155.061	-0.2358	0.81358
6	Customer_Name	SANDRA_FLANAGAN	2950.99	2.7663	0.00572	640	Customer_Name	GARY_MITCHUM	154.825	0.1865	0.85206
7	Customer_Name	CINDY_STEWART	2781.93	5.1402	0.00000	641	City	SAINT_CLOUD	-154.208	-0.2992	0.76484
8	Postal_Code	8701	2447.39	3.0845	0.00207	642	Postal_Code	29501	154.154	0.1853	0.85301
9	City	AMARILLO	2286.41	2.5180	0.01188	643	City	EL_PASO	-153.760	-0.2449	0.80656
10	Postal_Code	27217	2224.15	2.5122	0.01208	644	City	SAN_ANTONIO	-153.628	-0.2690	0.78798
11	Customer_Name	JILL_MATTHIAS	2136.89	3.2268	0.00127	645	City	URBANDALE	-153.549	-0.2092	0.83431
12	City	LAKEWOOD	-1982.45	-2.1923	0.02847	646	City	CLARKSVILLE	153.530	0.1877	0.85111
13	Sub_Category	MACHINES	1935.40	14.1535	0.00000	647	Customer_Name	BILL_DONATELLI	153.355	0.3315	0.74028
14	Customer_Name	SHARELLE_ROACH	1899.75	3.1966	0.00141	648	City	CHESTER	-153.261	-0.2252	0.82181
15	Customer_Name	TOM_ASHBROOK	1843.59	3.7774	0.00016	649	Customer_Name	MAX_ENGLE	152.826	0.3611	0.71810
16	City	OLATHE	-1783.80	-2.3490	0.01892	650	City	LITTLE_ROCK	-152.407	-0.2246	0.82228
17	Customer_Name	JESSICA_MYRICK	1607.90	1.5783	0.11465	651	Customer_Name	BECKY_MARTIN	152.235	0.3305	0.74108
18	Postal_Code	29203	-1597.83	-2.2801	0.02271	652	Customer_Name	BART_WATTERS	151.835	0.2901	0.77180
19	Postal_Code	44107	1583.00	2.0079	0.04479	653	Customer_Name	ANN_BLUME	151.555	0.1992	0.84214
20	Postal_Code	26003	1519.28	1.4316	0.15241	654	Customer_Name	ALEJANDRO_BALLENTIN	-150.165	-0.3693	0.71191
21	Postal_Code	21044	-1488.36	-2.3356	0.01962	655	Customer_Name	PETER_B_HLER	149.292	0.2071	0.83594
22	Postal_Code	05408	1384.91	1.6623	0.09661	656	Customer_Name	IVAN_GIBSON	148.906	0.3169	0.75135
23	City	DUBLIN	-1380.84	-1.5963	0.11059	657	City	WILSON	-148.714	-0.1586	0.87404
24	Customer_Name	SCOT_CORAM	1375.45	2.2051	0.02756	658	Customer_Name	CARI_SCHNELLING	148.394	0.2527	0.80051
25	City	THOMASVILLE	-1368.09	-1.9540	0.05085	659	City	HACKENSACK	-148.177	-0.1634	0.87021
26	City	WHEELING	-1362.29	-1.4710	0.14146	660	Customer_Name	MIKE_KENNEDY	-148.133	-0.2671	0.78946
27	City	COLUMBIA	1305.75	1.6379	0.10160	661	City	COLORADO_SPRINGS	-147.847	-0.2194	0.82638
28	City	EDINBURG	-1297.18	-1.2822	0.19992	662	Customer_Name	EUGENE_BARCHAS	147.497	0.2660	0.79030
29	Customer_Name	SANJIT_ENGLE	1262.15	2.6183	0.00891	663	City	GARDEN_CITY	-147.276	-0.1647	0.86923
30	Customer_Name	CORINNA_MITCHELL	1247.91	1.7303	0.08374	664	City	BOYNTON_BEACH	-147.104	-0.2047	0.83782
31	City	EUGENE	1175.04	1.0369	0.29990	665	Customer_Name	GEORGIA_ROSENBERG	146.906	0.1916	0.84810
32	Postal_Code	43130	1168.56	2.3362	0.01958	666	City	DECATUR	-146.567	-0.2376	0.81219
33	Postal_Code	43017	1155.01	1.4192	0.15601	667	Customer_Name	KAREN_CARLISLE	-145.973	-0.2279	0.81978
34	Customer_Name	JAMES_LANIER	-1093.37	-1.5313	0.12585	668	Customer_Name	MATTHEW_CLASEN	145.355	0.3148	0.75295
35	Customer_Name	ANDY_REITER	1087.09	2.1105	0.03494	669	Customer_Name	TRUDY_SCHMIDT	-144.883	-0.2905	0.77147
36	Customer_Name	BARRY_POND	-1069.08	-1.8531	0.06402	670	Customer_Name	PHILIP_FOX	144.139	0.2535	0.79987
37	Customer_Name	NATALIE_FRITZLER	1063.19	1.3567	0.17502	671	Postal_Code	90036	144.016	0.7768	0.43740
38	Customer_Name	TRACY_PODDAR	-1060.43	-1.1322	0.25769	672	Customer_Name	SCOTT_WILLIAMSON	144.011	0.1999	0.84160

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

59

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
39	Sub_Category	COPIERS	1058.93	5.1052	0.00000	673	City	WILMINGTON	-143.050	-0.1781	0.85864
40	Customer_Name	BARRY_GONZALEZ	992.11	1.7991	0.07216	674	Postal_Code	23223	142.762	0.3099	0.75670
41	City	LOWELL	-972.54	-1.2516	0.21087	675	Customer_Name	ERICA_BERN	-142.528	-0.1400	0.88869
42	Customer_Name	LUKE_WEISS	957.15	2.0970	0.03613	676	Customer_Name	GREG_GUTHRIE	142.334	0.3202	0.74884
43	Customer_Name	COREY_LOCK	-943.70	-1.6224	0.10489	677	Customer_Name	PARHENA_NORRIS	-142.136	-0.2796	0.77980
44	Customer_Name	HELEN_WASSERMAN	942.60	1.2456	0.21305	678	Customer_Name	JAY_FEIN	142.087	0.3218	0.74761
45	City	PALM_COAST	-939.45	-0.9585	0.33794	679	City	SANTA_ANA	-142.032	-0.2325	0.81616
46	Customer_Name	ALEKSANDRA_GANNAWAY	-933.71	-1.0539	0.29204	680	Customer_Name	BRYAN_SPRUELL	141.945	0.3138	0.75370
47	City	SAINT_PAUL	-923.54	-1.0184	0.30860	681	Customer_Name	BILL_EPLETT	141.552	0.2891	0.77257
48	City	WAUSAU	-910.85	-0.9832	0.32564	682	Customer_Name	PAUL_PROST	140.625	0.3700	0.71139
49	City	MISSOURI_CITY	-900.52	-0.8674	0.38582	683	Customer_Name	SCOTT_COHEN	139.881	0.3387	0.73485
50	City	MINNEAPOLIS	871.91	1.2904	0.19705	684	Customer_Name	CRAIG_LESLIE	139.513	0.2722	0.78551
51	Customer_Name	KEN_LONSDALE	867.38	2.3532	0.01871	685	City	DANVILLE	139.091	0.1646	0.86926
52	Customer_Name	SANJIT_CHAND	847.14	1.6738	0.09433	686	Customer_Name	PATRICK_JONES	139.066	0.2873	0.77388
53	City	SAN_ANGELO	-845.44	-1.0955	0.27344	687	City	HAMILTON	138.968	0.1791	0.85791
54	Customer_Name	CHRISTOPHER_MARTINE	844.27	1.8639	0.06249	688	Customer_Name	NARESJ_PATEL	138.550	0.3285	0.74259
55	Customer_Name	SEAN_O_DONNELL	-835.35	-1.2835	0.19948	689	Customer_Name	CHARLES_MCCROSSIN	138.120	0.2665	0.78990
56	City	PALATINE	-824.54	-0.8246	0.40969	690	Customer_Name	FILIA_MCADAMS	138.043	0.3185	0.75015
57	City	LITTLETON	-824.05	-0.8065	0.42005	691	City	PEMBROKE_PINES	-137.889	-0.1952	0.84527
58	City	WEST_JORDAN	-816.77	-1.0026	0.31616	692	Customer_Name	ARTHUR_GAINER	136.023	0.3243	0.74577
59	City	JAMESTOWN	803.19	1.0908	0.27549	693	Customer_Name	MONICA_FEDERLE	135.211	0.2443	0.80701
60	City	HAMPTON	-797.92	-1.0282	0.30399	694	Customer_Name	CHARLOTTE_MELTON	135.130	0.1849	0.85329
61	City	BUFFALO	797.33	1.1633	0.24485	695	Customer_Name	MICHAEL_GRACE	135.095	0.2364	0.81311
62	Customer_Name	NICOLE_FJELD	-789.99	-1.5324	0.12558	696	Customer_Name	NEOLA_SCHNEIDER	133.718	0.2916	0.77065
63	Customer_Name	JOHN_DRYER	-787.20	-1.5851	0.11312	697	Customer_Name	MAYA_HERMAN	133.625	0.2705	0.78684
64	Customer_Name	ANNA_GAYMAN	772.96	1.6392	0.10132	698	Customer_Name	MATT_HAGELSTEIN	133.613	0.2429	0.80813
65	City	TALLAHASSEE	738.87	1.1068	0.26853	699	Sub_Category	BOOKCASES	-133.232	-0.5880	0.55662
66	City	GREELEY	735.93	0.8059	0.42042	700	Customer_Name	PETER_FULLER	133.083	0.2890	0.77261
67	City	CHATTANOOGA	-731.36	-1.0082	0.31349	701	Customer_Name	DAN_LAWERA	132.900	0.2342	0.81485
68	City	ALLEN	-724.85	-0.9537	0.34034	702	Customer_Name	DAVID_BREMER	-132.831	-0.2687	0.78817
69	Customer_Name	MARIBETH_SCHNELLING	719.15	1.4823	0.13842	703	Postal_Code	33142	132.811	0.2999	0.76426
70	Customer_Name	THEA_HENDRICKS	717.35	1.1011	0.27101	704	City	GAITHERSBURG	-132.258	-0.1376	0.89054
71	Customer_Name	DIONIS_LLOYD	716.86	1.5322	0.12565	705	Customer_Name	ANDY_YOTOV	131.021	0.2612	0.79399
72	Postal_Code	40214	-709.78	-1.1030	0.27017	706	Customer_Name	GARY_HANSEN	130.848	0.3205	0.74865
73	City	LUBBOCK	-709.27	-0.9456	0.34445	707	City	LAS_CRUCES	-130.821	-0.1482	0.88222
74	Customer_Name	RAYMOND_BUCH	705.26	1.7014	0.08904	708	Customer_Name	ANDREW_GJERTSEN	130.801	0.3512	0.72546
75	City	MANSFIELD	-703.56	-0.7862	0.43186	709	Customer_Name	NANCY_LOMONACO	-130.089	-0.2354	0.81389
76	City	BRYAN	-701.63	-0.9576	0.33840	710	Customer_Name	CAROL_DARLEY	-130.068	-0.1802	0.85699
77	City	BALTIMORE	-701.20	-1.1068	0.26852	711	Customer_Name	ADAM_SHILLINGSBURG	129.788	0.3541	0.72328
78	Customer_Name	DENISE_LEINENBACH	-688.12	-0.9369	0.34895	712	Customer_Name	KEAN_TAKAHITO	129.624	0.2827	0.77744
79	Customer_Name	JOHN_MURRAY	686.02	1.5874	0.11258	713	City	PHILADELPHIA	-128.640	-0.2339	0.81508
80	Customer_Name	THERESA_COYNE	-673.05	-1.1678	0.24305	714	City	ATLANTIC_CITY	128.441	0.1198	0.90463
81	City	COLLEGE_STATION	-672.58	-0.7224	0.47011	715	Customer_Name	ERIC_MURDOCK	128.315	0.2153	0.82956
82	City	BEDFORD	-671.17	-0.8442	0.39868	716	Customer_Name	STEWART_VISINSKY	-128.228	-0.2887	0.77281
83	Customer_Name	SUNG_CHUNG	-670.82	-0.9737	0.33032	717	Customer_Name	ED_BRAXTON	128.203	0.2858	0.77507
84	Customer_Name	RICK_HANSEN	667.77	0.9236	0.35579	718	Customer_Name	LOGAN_HAUSHALTER	128.174	0.2963	0.76706
85	Customer_Name	ANEMONE_RATNER	660.90	0.9041	0.36606	719	Customer_Name	AARON_BERGMAN	127.893	0.1765	0.85989
86	City	BURLINGTON	-660.26	-0.7405	0.45908	720	Customer_Name	CARLOS_MEADOR	-127.719	-0.2183	0.82724
87	Customer_Name	ADRIAN_BARTON	659.63	1.7046	0.08843	721	City	ANDOVER	-127.488	-0.1699	0.86509
88	City	VISALIA	-649.57	-0.8291	0.40712	722	Customer_Name	RALPH_RITTER	127.314	0.2137	0.83077
89	City	PHARR	648.28	0.7889	0.43027	723	Customer_Name	BRIAN_STUGART	127.290	0.2567	0.79747
90	Postal_Code	2038	647.38	1.0159	0.30982	724	Customer_Name	SARAH_BROWN	127.081	0.2266	0.82079
91	Sub_Category	FURNISHINGS	-641.96	-2.9435	0.00328	725	Postal_Code	55113	126.303	0.1577	0.87470
92	Customer_Name	BILL_SHONEY	636.94	1.3336	0.18248	726	Customer_Name	DOROTHY_DICKINSON	126.197	0.2279	0.81978
93	City	WOONSOCKET	-636.39	-0.9303	0.35235	727	Customer_Name	MICHAEL_PAIGE	-126.009	-0.2735	0.78450
94	City	ENCINITAS	-631.88	-0.6679	0.50429	728	Customer_Name	JIM_EPP	125.824	0.3103	0.75639
95	City	NAPERVILLE	-627.79	-0.8085	0.41892	729	Customer_Name	BRENDAN_SWEEDE	-125.565	-0.1740	0.86191
96	City	COPPELL	623.42	0.7703	0.44123	730	City	DUBUQUE	-125.248	-0.1820	0.85560
97	City	LINCOLN_PARK	-618.10	-0.5748	0.56551	731	Customer_Name	SHERI_GORDON	124.648	0.2427	0.80826
98	City	CONWAY	-606.70	-0.6275	0.53043	732	Customer_Name	BROSINA_HOFFMAN	124.584	0.2911	0.77101
99	Customer_Name	FRED_WASSERMAN	-594.75	-0.5667	0.57098	733	Customer_Name	ART_FERGUSON	124.531	0.2190	0.82669
100	City	SAN_JOSE	-593.04	-0.9349	0.34996	734	Customer_Name	RALPH_ARNETT	-123.868	-0.3021	0.76261
101	City	SANDY_SPRINGS	-583.12	-0.9002	0.36811	735	City	NEW_ROCHELLE	-123.847	-0.1819	0.85572
102	Customer_Name	JUSTIN_DEGSELLER	582.15	1.2793	0.20095	736	Customer_Name	MARIA_ETEZADI	123.783	0.2912	0.77096
103	City	MESQUITE	-577.28	-0.7627	0.44572	737	City	LEAGUE_CITY	-123.674	-0.1746	0.86144
104	Customer_Name	KAREN_FERGUSON	576.77	1.2943	0.19570	738	Customer_Name	CHRISTINA_ANDERSON	123.587	0.2400	0.81036
105	Customer_Name	ANTHONY_JACOBS	576.03	0.9858	0.32438	739	Customer_Name	BRADLEY_NGUYEN	-123.561	-0.2665	0.78987
106	Customer_Name	CHRISTINE_KARGATIS	-575.82	-0.4451	0.65628	740	Customer_Name	LIZ_PELLETIER	123.377	0.2546	0.79905

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

60

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
107	City	LOUISVILLE	575.60	0.8437	0.39897	741	Customer_Name	JENNIFER_JACKSON	123.317	0.2538	0.79966
108	Customer_Name	ROY_SKARIA	574.47	0.5702	0.56860	742	City	LAKEVILLE	122.534	0.1673	0.86714
109	Customer_Name	LIZ_PREIS	560.57	1.1382	0.25516	743	Customer_Name	XYLONA_PREIS	121.879	0.3141	0.75351
110	Customer_Name	ROB_HABERLIN	557.65	0.7117	0.47672	744	Postal_Code	44240	121.842	0.1284	0.89784
111	City	OAK_PARK	-554.86	-0.6305	0.52847	745	Sub_Category	APPLIANCES	-121.781	-1.0334	0.30157
112	City	BUFFALO_GROVE	-552.12	-0.5747	0.56556	746	Customer_Name	ARIANNE_IRVING	-121.716	-0.2560	0.79799
113	Customer_Name	MICK_HERNANDEZ	-550.22	-1.0732	0.28331	747	Customer_Name	PAMELA_COAKLEY	-121.528	-0.1926	0.84726
114	Customer_Name	JULIE_CREIGHTON	-550.22	-1.0783	0.28102	748	Postal_Code	94110	-121.462	-0.7527	0.45171
115	Postal_Code	35810	549.16	0.6530	0.51386	749	Customer_Name	HUNTER_GLANTZ	-121.223	-0.1721	0.86340
116	Customer_Name	MUHAMMED_MACINTYRE	543.11	0.7399	0.45948	750	Customer_Name	ROY_PHAN	121.132	0.2436	0.80756
117	City	BANGOR	-539.10	-0.5841	0.55922	751	Customer_Name	CLAUDIA_BERGMANN	-121.069	-0.2700	0.78718
118	Customer_Name	JONI_SUNDARESAM	-529.52	-0.9322	0.35137	752	Customer_Name	KELLY_ANDREADA	120.250	0.2472	0.80478
119	City	TRENTON	-526.55	-0.8070	0.41976	753	City	FRANKLIN	-119.771	-0.1830	0.85481
120	City	MANTECA	-522.37	-0.5798	0.56214	754	City	EAGAN	-119.695	-0.1848	0.85344
121	Customer_Name	JIM_RADFORD	520.63	0.8042	0.42137	755	Customer_Name	DAN_CAMPBELL	-119.458	-0.2307	0.81759
122	Customer_Name	QUINCY_JONES	519.63	1.1320	0.25778	756	Customer_Name	JESUS_OCAMPO	119.433	0.2540	0.79951
123	City	LAGUNA_NIGUEL	-519.23	-0.7506	0.45297	757	Customer_Name	JIM_MITCHUM	-119.396	-0.2220	0.82437
124	Customer_Name	JENNIFER_HALLADAY	-516.99	-0.9627	0.33583	758	Customer_Name	COREY_CATLETT	119.378	0.2414	0.80925
125	Customer_Name	BILL_OVERFELT	-513.77	-1.1461	0.25191	759	Customer_Name	STEPHANIE_PHELPS	119.201	0.2489	0.80348
126	City	ROUND_ROCK	511.53	0.5769	0.56405	760	Customer_Name	DAVE_HALLSTEN	-118.736	-0.2656	0.79061
127	City	MURFREESBORO	-503.31	-0.5716	0.56768	761	City	REVERE	-118.509	-0.1302	0.89640
128	Postal_Code	50315	503.18	0.5870	0.55724	762	Customer_Name	ARTHUR_PRICHEP	118.449	0.2936	0.76912
129	Customer_Name	CHRISTINE_PHAN	501.15	1.1967	0.23156	763	Customer_Name	KATHERINE_MURRAY	118.109	0.2464	0.80539
130	City	BROKEN_ARROW	500.27	0.5545	0.57933	764	Customer_Name	PAULINE_JOHNSON	118.032	0.2512	0.80165
131	City	SAN_MARCOS	-499.13	-0.6178	0.53681	765	Customer_Name	JENNIFER_BRAXTON	117.972	0.2268	0.82061
132	Customer_Name	KAREN_DANIELS	498.83	1.3011	0.19339	766	Customer_Name	TANJA_NORVELL	117.726	0.2629	0.79268
133	Postal_Code	31907	-498.04	-1.3740	0.16959	767	City	SAINT_CHARLES	117.549	0.1557	0.87627
134	City	SUNNYVALE	-497.76	-0.6893	0.49070	768	Customer_Name	LIZ_CARLISLE	117.413	0.1579	0.87456
135	Customer_Name	PATRICK_O_BRILL	496.62	1.1876	0.23514	769	Customer_Name	NATHAN_GELDER	117.256	0.2979	0.76578
136	City	TIGARD	494.47	0.7267	0.46747	770	Customer_Name	DUANE_HUFFMAN	-117.232	-0.1907	0.84877
137	City	PROVO	-493.99	-0.6321	0.52737	771	Customer_Name	BROOKE_GILLINGHAM	117.016	0.2392	0.81096
138	Customer_Name	BRADLEY_DRUCKER	493.71	0.6754	0.49948	772	Customer_Name	HELEN_ABELMAN	116.741	0.2091	0.83441
139	Customer_Name	ALEJANDRO_SAVELY	484.69	0.7834	0.43348	773	Customer_Name	MAGDELENE_MORSE	116.631	0.1687	0.86608
140	Customer_Name	LIZ_MACKENDRICK	-482.88	-0.5264	0.59865	774	City	OAKLAND	-116.515	-0.1994	0.84194
141	Customer_Name	CRAIG_YEDWAB	481.34	0.8579	0.39103	775	Customer_Name	ALICE_MCCARTHY	-116.243	-0.2222	0.82421
142	Customer_Name	GRANT_THORNTON	480.15	0.8224	0.41094	776	City	REDONDO_BEACH	-116.226	-0.1446	0.88501
143	City	ARLINGTON_HEIGHTS	475.88	0.4560	0.64843	777	Customer_Name	TIFFANY_HOUSE	116.226	0.2572	0.79708
144	Customer_Name	MAUREEN_FRITZLER	475.12	0.9446	0.34498	778	Customer_Name	VALERIE_DOMINGUEZ	115.483	0.2544	0.79922
145	City	FRANKFORT	-473.87	-0.5925	0.55357	779	Customer_Name	EUDOKIA_MARTIN	115.433	0.2055	0.83718
146	City	YONKERS	-473.24	-0.7405	0.45912	780	City	JACKSONVILLE	115.104	0.2031	0.83907
147	City	RENO	472.74	0.5770	0.56403	781	City	OMAHA	-115.090	-0.1796	0.85750
148	City	SANTA_CLARA	-468.12	-0.5155	0.60624	782	Customer_Name	ROY_COLLINS	115.017	0.2409	0.80965
149	City	LA_CROSSE	-467.26	-0.5206	0.60271	783	Customer_Name	JOHN_GRADY	114.730	0.2366	0.81301
150	Customer_Name	CINDY_CHAPMAN	-466.61	-1.0372	0.29976	784	Customer_Name	DUANE_NOONAN	114.646	0.2455	0.80610
151	Customer_Name	MICHELLE_LONSDALE	466.56	0.6899	0.49034	785	Customer_Name	DEAN_PERCER	113.962	0.2457	0.80597
152	City	DES_MOINES	-465.08	-0.5103	0.60991	786	City	WOODBURY	-113.875	-0.1489	0.88165
153	Customer_Name	LENA_CREIGHTON	464.64	1.0912	0.27532	787	Customer_Name	ANTHONY_RAWLES	113.727	0.2201	0.82584
154	City	MODESTO	-463.35	-0.5230	0.60101	788	City	BOISE	-113.394	-0.1295	0.89700
155	City	NEW_ALBANY	-463.09	-0.4321	0.66570	789	Customer_Name	KATHERINE_DUCICH	-112.922	-0.2237	0.82298
156	Customer_Name	SUE_ANN_REED	462.99	1.0073	0.31390	790	Customer_Name	BRIAN_DERR	112.895	0.1805	0.85680
157	Customer_Name	CAROLINE_JUMPER	460.86	1.0841	0.27847	791	Customer_Name	TOM_PREScott	-112.667	-0.2135	0.83096
158	City	ELKHART	-459.96	-0.5063	0.61267	792	City	COSTA_MESA	-112.657	-0.1511	0.87992
159	Customer_Name	JUSTIN_ELLISON	-459.25	-0.5677	0.57031	793	Customer_Name	GREG_MATTHIAS	112.522	0.2049	0.83766
160	Customer_Name	AMY_COX	456.70	0.7945	0.42702	794	City	MISSION_VIEJO	-112.187	-0.1146	0.90875
161	Intercept'		456.38	0.5057	0.61311	795	City	WOODSTOCK	-111.691	-0.1230	0.90211
162	Customer_Name	PIERRE_WENER	-456.24	-0.7519	0.45223	796	Customer_Name	CYMA_KINNEY	-111.396	-0.2736	0.78443
163	City	HOT_SPRINGS	454.33	0.3767	0.70645	797	Customer_Name	MEG_O_CONNEL	-111.203	-0.2625	0.79294
164	Customer_Name	GREG_TRAN	452.84	1.2178	0.22344	798	Postal_Code	17602	111.137	0.2007	0.84096
165	Customer_Name	KALYCA_MEADE	452.09	0.9615	0.33640	799	Customer_Name	PHILIP_BROWN	110.881	0.2470	0.80495
166	Customer_Name	THOMAS_SEIO	450.84	1.0703	0.28460	800	Customer_Name	RICARDO_SPERRN	110.777	0.2065	0.83640
167	City	DEARBORN	-449.62	-0.5575	0.57728	801	Customer_Name	SHIRLEY_SCHMIDT	110.501	0.1819	0.85571
168	City	QUINCY	-447.66	-0.6329	0.52687	802	Customer_Name	STEWART_CARMICHAEL	-110.324	-0.2839	0.77653
169	City	GREENSBORO	-447.57	-0.4747	0.63506	803	Customer_Name	ROBERT_DILBECK	-109.442	-0.1945	0.84581
170	Customer_Name	FRANK_ATKINSON	-445.44	-1.0350	0.30081	804	Postal_Code	48066	109.228	0.1625	0.87090
171	Customer_Name	FRANK_MERWIN	444.54	1.0178	0.30891	805	City	CHARLOTTESVILLE	-108.992	-0.1258	0.89989
172	City	DAYTONA_BEACH	-442.56	-0.5038	0.61445	806	Customer_Name	SALLY_KNUTSON	108.825	0.1807	0.85660
173	Customer_Name	BART_FOLK	441.73	0.6892	0.49079	807	City	HOOVER	-108.515	-0.1581	0.87437
174	City	MELBOURNE	-440.98	-0.4983	0.61832	808	Customer_Name	ROLAND_SCHWARZ	-108.342	-0.1493	0.88130

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

61

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
175	Customer_Name	LARRY_BLACKS	-440.04	-0.7463	0.45561	809	Customer_Name	DARREN_KOUTRAS	-107.866	-0.2076	0.83560
176	Customer_Name	LINDA_CAZAMIAS	439.62	0.7732	0.43950	810	Customer_Name	RICHARD_EICHHORN	-107.547	-0.2006	0.84103
177	City	CINCINNATI	-437.71	-0.7132	0.47579	811	Customer_Name	HENIA_ZYDLO	107.397	0.2255	0.82162
178	Postal_Code	28314	-437.21	-0.8440	0.39877	812	Customer_Name	ANNIE_ZYPERN	107.384	0.2194	0.82636
179	Customer_Name	MICHAEL_DOMINGUEZ	436.78	0.7102	0.47764	813	City	INGLEWOOD	-106.467	-0.1607	0.87234
180	Postal_Code	47905	-434.22	-0.7878	0.43091	814	City	COON_RAPIDS	106.325	0.1175	0.90648
181	City	MARION	-434.11	-0.5190	0.60379	815	City	SMYRNA	-105.852	-0.1461	0.88383
182	Postal_Code	33178	-433.13	-0.7338	0.46317	816	Customer_Name	LISA_RYAN	105.677	0.2367	0.81291
183	City	HOLYOKE	-432.32	-0.4946	0.62096	817	Customer_Name	SHAHID_HOPKINS	105.566	0.2451	0.80639
184	Customer_Name	BETH_FRITZLER	431.88	0.5913	0.55440	818	Customer_Name	ANNE_PRYOR	-105.438	-0.2038	0.83850
185	City	TORRANCE	431.60	0.5690	0.56940	819	Customer_Name	SHAUN_CHANCE	-105.307	-0.2095	0.83410
186	City	PORTLAND	-428.53	-0.6721	0.50157	820	City	WEST_PALM_BEACH	-105.247	-0.1370	0.89108
187	City	CRANSTON	-426.78	-0.5533	0.58013	821	Customer_Name	NICK_ZANDUSKY	105.228	0.2218	0.82453
188	City	ORMOND_BEACH	-424.62	-0.3964	0.69184	822	Customer_Name	JONI_BLUMSTEIN	105.036	0.1511	0.87992
189	Customer_Name	SYLVIA_FOULSTON	424.45	0.8983	0.36912	823	Customer_Name	KEN_HEIDEL	-104.825	-0.2465	0.80533
190	City	LAWRENCE	-421.86	-0.5011	0.61638	824	City	TAMARAC	-103.592	-0.1098	0.91258
191	City	HENDERSON	421.10	0.4341	0.66425	825	Customer_Name	DENNIS_PARDUE	103.417	0.2457	0.80593
192	Customer_Name	LINDSAY_SHAGIARI	420.76	0.9703	0.33202	826	Customer_Name	MATTHEW_GRINSTEIN	103.190	0.1513	0.87977
193	City	CORPUS_CHRISTI	-420.45	-0.5838	0.55942	827	City	FAIRFIELD	103.142	0.1136	0.90954
194	Postal_Code	28027	416.45	0.4900	0.62421	828	Customer_Name	JOY_SMITH	103.053	0.2028	0.83929
195	Customer_Name	KRISTEN_HASTINGS	415.44	0.6877	0.49170	829	Customer_Name	JIM_KRIZ	102.962	0.2283	0.81946
196	Customer_Name	THERESA_SWINT	414.59	0.7842	0.43304	830	Customer_Name	ROGER_DEMIR	102.717	0.2604	0.79459
197	City	MEDINA	-414.09	-0.6166	0.53757	831	Postal_Code	90032	102.513	0.5139	0.60739
198	Customer_Name	ANTHONY_O_DONNELL	-411.59	-0.5678	0.57023	832	City	LAKELAND	-102.508	-0.1680	0.86658
199	City	FREEPORT	-410.03	-0.4400	0.65998	833	City	PORT_ARTHUR	-102.468	-0.1387	0.88968
200	City	MEDFORD	409.45	0.4303	0.66704	834	Customer_Name	SARAH_BERN	102.178	0.1850	0.85326
201	City	REDMOND	-409.33	-0.5778	0.56346	835	City	NIAGARA_FALLS	-101.784	-0.1481	0.88229
202	City	BEAUMONT	-405.91	-0.4530	0.65058	836	City	MILFORD	-101.668	-0.1426	0.88661
203	City	HESPERIA	-405.65	-0.4512	0.65188	837	Customer_Name	ERIN_MULL	101.415	0.1816	0.85595
204	Customer_Name	GUY_THORNTON	403.31	0.5540	0.57963	838	City	HALTOM_CITY	-101.351	-0.1132	0.90988
205	Customer_Name	BOBBY_TRAFTON	402.92	0.6326	0.52706	839	City	EAST_POINT	101.289	0.0833	0.93365
206	City	ONTARIO	-401.42	-0.4349	0.66367	840	Postal_Code	60505	100.556	0.2936	0.76906
207	City	BETHLEHEM	-399.71	-0.5182	0.60438	841	City	ATHENS	-100.452	-0.1459	0.88405
208	City	CLOVIS	-399.27	-0.5001	0.61708	842	City	GRESHAM	-100.291	-0.1342	0.89327
209	Postal_Code	12180	-399.05	-0.6692	0.50346	843	Customer_Name	VALERIE_MITCHUM	99.886	0.2130	0.83132
210	Customer_Name	EVA_JACOBS	-398.44	-0.6537	0.51336	844	City	CARROLLTON	-98.914	-0.1436	0.88581
211	City	SPOKANE	-398.42	-0.4869	0.62636	845	City	PUEBLO	-98.313	-0.1065	0.91522
212	Customer_Name	CLAIRE_GUTE	-394.81	-0.5283	0.59734	846	Customer_Name	BETH_PAIGE	-98.050	-0.2351	0.81413
213	Customer_Name	MICHAEL_NGUYEN	394.78	0.6786	0.49750	847	City	LOGAN	-97.925	-0.1076	0.91430
214	Sub_Category	FASTENERS	-393.91	-2.8768	0.00406	848	Customer_Name	ADAM_BELLAVANCE	97.660	0.2358	0.81362
215	City	EL_CAJON	-392.86	-0.4395	0.66037	849	Customer_Name	SEAN_WENDT	96.652	0.1704	0.86475
216	City	WATERTOWN	392.51	0.4823	0.62961	850	Postal_Code	10024	95.907	0.7190	0.47226
217	City	NEW_CASTLE	-391.64	-0.3958	0.69230	851	Customer_Name	RACHEL_PAYNE	95.789	0.2345	0.81459
218	City	WICHITA	-390.71	-0.4249	0.67094	852	City	RANCHO_CUCAMONGA	-95.251	-0.1307	0.89602
219	Customer_Name	ROLAND_FJELD	390.62	0.7796	0.43573	853	City	NASHVILLE	94.886	0.1524	0.87888
220	Customer_Name	MICHAEL_CHEN	390.18	0.8662	0.38647	854	Customer_Name	ALEX_AVILA	94.003	0.1704	0.86471
221	City	DRAPER	-389.99	-0.4256	0.67047	855	Customer_Name	ALLEN_ROSENBLATT	-93.746	-0.1804	0.85685
222	Customer_Name	ERICA_SMITH	387.28	0.8708	0.38400	856	Customer_Name	LOGAN_CURRIE	93.707	0.2102	0.83356
223	City	TUSCALOOSA	-385.79	-0.4347	0.66385	857	Postal_Code	3301	93.238	0.1276	0.89849
224	City	LA PORTE	-385.26	-0.4231	0.67226	858	City	NEW_BRUNSWICK	92.894	0.1064	0.91525
225	City	MORGAN_HILL	-384.30	-0.5126	0.60830	859	Customer_Name	SALLY_HUGHSBY	92.696	0.2118	0.83228
226	City	TEXAS_CITY	-384.11	-0.5569	0.57766	860	Customer_Name	NONA_BALK	92.694	0.2464	0.80543
227	Customer_Name	NATALIE_WEBBER	-382.87	-1.0206	0.30755	861	Customer_Name	NOEL_STAAVOS	92.142	0.2407	0.80981
228	City	YORK	-382.35	-0.4989	0.61792	862	Customer_Name	DEBORAH_BRUMFIELD	-92.054	-0.1958	0.84478
229	Customer_Name	DANA_KAYDOS	-381.75	-0.7508	0.45288	863	City	CHAPEL_HILL	92.050	0.1020	0.91878
230	City	CHAMPAIGN	-381.15	-0.4250	0.67087	864	Customer_Name	BRUCE_DEGENHARDT	-91.724	-0.1561	0.87597
231	Customer_Name	SHAHID_SHARIARI	379.36	0.6975	0.48558	865	Postal_Code	11520	91.308	0.1072	0.91461
232	Customer_Name	CHUCK_SACHS	379.17	0.7704	0.44116	866	Customer_Name	DAVID_SMITH	91.126	0.2285	0.81930
233	Customer_Name	VICTORIA_BRENNAN	378.53	0.5204	0.60284	867	Customer_Name	ADRIAN_HANE	-91.053	-0.2191	0.82661
234	Customer_Name	SUSAN_GILCREST	-377.20	-0.4769	0.63347	868	Customer_Name	ANGELE_HOOD	90.250	0.1251	0.90048
235	City	REDWOOD_CITY	-377.01	-0.4113	0.68089	869	Customer_Name	JUSTIN_RITTER	-90.244	-0.1156	0.90794
236	City	WARNER_ROBINS	-376.72	-0.3543	0.72318	870	Customer_Name	ASTREA_JONES	-90.224	-0.1257	0.90001
237	Customer_Name	SAM_CRAVEN	-375.70	-0.7430	0.45754	871	City	PATERSON	-89.996	-0.1485	0.88196
238	City	BEVERLY	-374.34	-0.3828	0.70190	872	Customer_Name	ALAN_HAINES	89.026	0.1726	0.86301
239	City	CHICAGO	-373.86	-0.6682	0.50409	873	Customer_Name	BARBARA_FISHER	88.813	0.2137	0.83080
240	City	CORAL_SPRINGS	-373.65	-0.5043	0.61414	874	Customer_Name	ERIC_BARRETO	88.784	0.1768	0.85970
241	Customer_Name	STEFANIA_PERRINO	-371.24	-0.7018	0.48292	875	Customer_Name	MICHAEL_STEWART	88.752	0.1243	0.90112
242	Postal_Code	43302	371.09	0.3906	0.69615	876	Customer_Name	JANE_WACO	88.579	0.1864	0.85217

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

62

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
243	City	VINELAND	-370.63	-0.5627	0.57373	877	Postal_Code	22204	-87.392	-0.1935	0.84660
244	City	MUSKOGEE	-370.19	-0.4965	0.61957	878	City	MOBILE	-87.109	-0.1332	0.89405
245	City	KENOSHA	-370.01	-0.4964	0.61968	879	Postal_Code	10011	87.019	0.5876	0.55685
246	City	FORT_COLLINS	-369.82	-0.5783	0.56313	880	City	SALEM	-86.932	-0.1571	0.87522
247	Customer_Name	TRACY_HOPKINS	367.71	0.8848	0.37639	881	Customer_Name	PAUL_VAN_HUGH	86.638	0.1721	0.86340
248	Customer_Name	JULIA_BARNETT	366.35	0.3987	0.69014	882	Postal_Code	10009	86.408	0.6170	0.53730
249	Customer_Name	FRANK_PREIS	-366.24	-0.6255	0.53169	883	Customer_Name	DARRIN_VAN_HUFF	-86.285	-0.1544	0.87734
250	City	PASSAIC	-364.37	-0.4276	0.66899	884	City	VIRGINIA_BEACH	86.199	0.1260	0.89973
251	Customer_Name	ERIN_ASHBROOK	-364.18	-0.9228	0.35622	885	Customer_Name	ALAN_DOMINGUEZ	86.096	0.1912	0.84841
252	City	NOBLESVILLE	362.53	0.4666	0.64081	886	Customer_Name	ADAM_HART	85.912	0.1934	0.84666
253	City	POMPANO_BEACH	-362.41	-0.3386	0.73495	887	City	WASHINGTON	-85.863	-0.1204	0.90418
254	Customer_Name	RICK_REED	361.62	0.4072	0.68390	888	Postal_Code	92037	85.685	0.2910	0.77110
255	Customer_Name	MARK_HAMILTON	-360.70	-0.6619	0.50814	889	City	AUSTIN	-85.649	-0.1456	0.88428
256	Customer_Name	SUZANNE_MCNAIR	360.33	0.9107	0.36258	890	Customer_Name	BARRY_FRANZ	85.441	0.1176	0.90643
257	City	GREENVILLE	-358.82	-0.5473	0.58421	891	City	LODI	84.565	0.0965	0.92313
258	City	IOWA_CITY	358.33	0.3700	0.71145	892	City	SAN_FRANCISCO	-84.452	-0.1554	0.87650
259	Customer_Name	ROBERT_MARLEY	357.42	0.8352	0.40370	893	Customer_Name	LUKE_FOSTER	-84.331	-0.1903	0.84909
260	City	CORAL_GABLES	-356.34	-0.3989	0.69003	894	Customer_Name	ODELLA_NELSON	-84.289	-0.1785	0.85833
261	City	SAN_DIEGO	-355.88	-0.6250	0.53206	895	Customer_Name	RYAN_CROWE	84.193	0.1821	0.85552
262	City	SPARKS	-355.44	-0.3946	0.69321	896	Customer_Name	LINDA_SOUTHWORTH	84.125	0.1477	0.88257
263	Customer_Name	THEA_HUDGINGS	352.00	0.7807	0.43510	897	Customer_Name	ANDREW_ROBERTS	-84.107	-0.1518	0.87934
264	Customer_Name	MARIA_ZETTNER	351.44	0.6317	0.52767	898	Customer_Name	TROY_STAEBEL	83.912	0.1171	0.90679
265	Postal_Code	42420	-349.79	-0.4192	0.67511	899	Customer_Name	ALYSSA_CROUSE	83.726	0.1882	0.85071
266	City	MESA	-349.68	-0.5918	0.55405	900	Customer_Name	PHILLINA_OBER	83.341	0.1509	0.88004
267	City	IRVING	-346.97	-0.5118	0.60886	901	Customer_Name	PENELOPE_SEWALL	-83.134	-0.1617	0.87152
268	City	OREM	-346.60	-0.4122	0.68020	902	Customer_Name	ROBERT_WALDORF	-82.867	-0.1319	0.89511
269	City	INDIANAPOLIS	-345.61	-0.5864	0.55767	903	Customer_Name	PAMELA_STOBB	-82.832	-0.2090	0.83446
270	City	DELTONA	-344.86	-0.3903	0.69635	904	Customer_Name	DOROTHY_WARDLE	-82.743	-0.1742	0.86175
271	City	DALLAS	-344.21	-0.5841	0.55921	905	Customer_Name	BRADLEY_TALBOTT	-82.394	-0.1808	0.85654
272	City	HOMESTEAD	-343.89	-0.3542	0.72325	906	Customer_Name	ANTHONY GARVERICK	81.704	0.1512	0.87981
273	Customer_Name	JULIA_WEST	-342.93	-0.4558	0.64860	907	Customer_Name	MICHELLE_ELLISON	-81.615	-0.1350	0.89264
274	Customer_Name	SAM_ZELDIN	-342.86	-0.8118	0.41700	908	City	BOCA_RATON	-81.552	-0.0755	0.93985
275	Postal_Code	13021	-342.66	-0.4135	0.67932	909	City	COLUMBUS	-81.139	-0.1301	0.89648
276	Customer_Name	YOSEPH_CARROLL	342.35	0.6871	0.49211	910	Customer_Name	CARI_SAYRE	80.272	0.1113	0.91142
277	Customer_Name	JANET_MARTIN	-341.97	-0.7364	0.46160	911	Customer_Name	RITSA_HIGHTOWER	-80.260	-0.1090	0.91325
278	Customer_Name	ASHLEY_JARBOE	341.92	0.3555	0.72226	912	City	HUNTINGTON_BEACH	-79.806	-0.0883	0.92962
279	City	SAINT_LOUIS	-341.67	-0.4957	0.62018	913	Customer_Name	MITCH_WILLINGHAM	79.692	0.1340	0.89338
280	City	LEBANON	-339.38	-0.4554	0.64889	914	Customer_Name	ANN_STEELE	79.093	0.1211	0.90360
281	City	OVERLAND_PARK	-339.15	-0.4504	0.65245	915	Customer_Name	MATT_ABELMAN	-78.171	-0.1999	0.84156
282	Customer_Name	LELA_DONOVAN	338.59	0.4650	0.64196	916	Customer_Name	MAXWELL_SCHWARTZ	-78.020	-0.1811	0.85627
283	City	BAKERSFIELD	-337.92	-0.5427	0.58738	917	City	FORT_WORTH	-77.997	-0.1323	0.89473
284	City	ORANGE	-335.07	-0.4584	0.64671	918	Customer_Name	KEN_BLACK	-77.967	-0.1859	0.85251
285	Customer_Name	CHARLES_SHELDON	-334.24	-0.5864	0.55767	919	Customer_Name	ROB_DOWD	77.954	0.1390	0.88950
286	Postal_Code	28540	-331.86	-1.1148	0.26506	920	City	LAFAYETTE	77.936	0.1238	0.90146
287	Customer_Name	MIKE_PELLETIER	331.34	0.7211	0.47094	921	City	CHARLOTTE	-77.676	-0.1361	0.89172
288	Customer_Name	GIULIETTA_BAPTIST	329.98	0.6182	0.53652	922	Customer_Name	MARC_HARRIGAN	77.572	0.1740	0.86187
289	City	BRISTOL	-329.13	-0.3490	0.72715	923	Customer_Name	ROBERT_BARROSO	77.499	0.1536	0.87792
290	City	PLANO	-328.58	-0.4853	0.62750	924	Customer_Name	JEREMY_PISTEK	-77.253	-0.1481	0.88228
291	Customer_Name	SEAN_CHRISTENSEN	327.37	0.4144	0.67861	925	Customer_Name	CLAY_ROZENDAL	-77.199	-0.0859	0.93152
292	Customer_Name	ANTHONY_WITT	325.95	0.6856	0.49307	926	Customer_Name	GARY_HWANG	77.096	0.1504	0.88045
293	Customer_Name	RICK_BENSLEY	-325.15	-0.7879	0.43083	927	City	ATLANTA	76.966	0.1365	0.89148
294	Customer_Name	TAMARA_MANNING	323.25	0.5152	0.60646	928	Customer_Name	JEREMY_LONSDALE	-76.538	-0.1612	0.87193
295	City	PHOENIX	-322.33	-0.5731	0.56667	929	Customer_Name	CYNTHIA_DELANEY	-76.440	-0.1236	0.90163
296	Customer_Name	MICHAEL_GRANLUND	-321.36	-0.6870	0.49216	930	Customer_Name	DENISE_MONTON	-76.394	-0.1624	0.87103
297	City	PLAINFIELD	-321.05	-0.5167	0.60540	931	Customer_Name	ROSS_DEVINCENTIS	-76.312	-0.1833	0.85458
298	City	PLEASANT_GROVE	-320.97	-0.3543	0.72315	932	Customer_Name	JULIE_KRIZ	75.868	0.1641	0.86966
299	Customer_Name	LIZ_WILLINGHAM	320.39	0.5647	0.57231	933	Customer_Name	BENJAMIN_VENIER	-75.573	-0.1426	0.88662
300	City	SACRAMENTO	-320.16	-0.4036	0.68656	934	Customer_Name	PATRICK_GARDNER	75.538	0.1905	0.84890
301	City	MONROE	-318.69	-0.4944	0.62107	935	Customer_Name	BEN_PETERMAN	75.474	0.1539	0.87767
302	Customer_Name	CHARLES_CRESTANI	318.37	0.6164	0.53770	936	Postal_Code	45503	-75.431	-0.2269	0.82049
303	Postal_Code	77036	317.99	1.5236	0.12778	937	Customer_Name	DENNIS_BOLTON	74.082	0.1237	0.90157
304	City	NORWICH	-315.78	-0.4410	0.65926	938	City	DEARBORN_HEIGHTS	-73.576	-0.1026	0.91832
305	City	BOWLING_GREEN	-315.61	-0.4614	0.64455	939	City	LEOMINSTER	73.574	0.0744	0.94066
306	Customer_Name	MELANIE_SEITE	314.83	0.3987	0.69015	940	Customer_Name	ROB_BEEGHLY	-73.401	-0.1570	0.87529
307	Customer_Name	LENA_HERNANDEZ	314.58	0.6827	0.49485	941	Postal_Code	75081	73.274	0.2261	0.82114
308	Customer_Name	PAULINE_WEBBER	313.52	0.4341	0.66424	942	Customer_Name	CHAD_CUNNINGHAM	72.919	0.1312	0.89564
309	Customer_Name	LAUREL_BELTRAN	313.52	0.7130	0.47591	943	City	MOORHEAD	72.744	0.0912	0.92732
310	Customer_Name	MITCH_WEBBER	-313.28	-0.6937	0.48794	944	Customer_Name	CHRISTINA_VANDERZAN	-72.463	-0.1742	0.86170

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

63

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
311	City	BROWNSVILLE	-313.06	-0.4500	0.65274	945	Customer_Name	TOBY_CARLISLE	72.439	0.1515	0.87961
312	Customer_Name	THOMAS_BOLAND	310.95	0.6972	0.48577	946	City	GRAND_PRAIRIE	-71.979	-0.1058	0.91578
313	Customer_Name	PATRICK_BZOSTEK	-310.47	-0.5486	0.58332	947	City	MARIETTA	-71.938	-0.0780	0.93781
314	City	ALEXANDRIA	-310.19	-0.4807	0.63079	948	Customer_Name	MARIS_LAWARE	71.002	0.1657	0.86842
315	City	WAYNESBORO	-309.94	-0.4719	0.63706	949	Customer_Name	SUSAN_VITTORINI	-70.633	-0.1230	0.90211
316	Customer_Name	KELLY_LAMPKIN	-308.60	-0.6309	0.52815	950	Customer_Name	DAVE_POIRIER	-70.574	-0.1647	0.86918
317	Customer_Name	NORA_PREIS	307.66	0.6594	0.50971	951	Customer_Name	NOAH_CHILDS	70.512	0.1552	0.87671
318	City	ALBUQUERQUE	-307.60	-0.4674	0.64024	952	City	ARVADA	-70.458	-0.0762	0.93931
319	Customer_Name	EMILY_GRADY	-307.15	-0.5794	0.56240	953	Customer_Name	EMILY_BURNS	-70.309	-0.1694	0.86550
320	Postal_Code	46350	307.10	0.3795	0.70436	954	Customer_Name	MARIBETH_YEDWAB	70.181	0.1694	0.86550
321	City	CHICO	-307.09	-0.4200	0.67451	955	Customer_Name	NAT_CARROLL	69.927	0.0974	0.92243
322	City	HOUSTON	-306.27	-0.5770	0.56399	956	Postal_Code	30080	-69.799	-0.1090	0.91324
323	Customer_Name	VIVEK_SUNDARESAM	-305.90	-0.5071	0.61213	957	Customer_Name	TOM_BOECKENHAUER	69.785	0.1663	0.86798
324	Customer_Name	JENNIFER_PATT	-305.45	-0.6940	0.48775	958	Customer_Name	ALYSSA_TATE	69.663	0.1232	0.90200
325	City	GEORGETOWN	-305.35	-0.4651	0.64194	959	Customer_Name	MARK_PACKER	-69.176	-0.1028	0.91815
326	Customer_Name	CLAY_LUDTKE	304.80	0.8106	0.41769	960	City	READING	-68.924	-0.0938	0.92532
327	Customer_Name	PHILISSE_OVERCASH	303.71	0.5004	0.61688	961	Customer_Name	RUBEN_AUSMAN	68.870	0.1485	0.88195
328	Customer_Name	SAPHIHIRA_SHIFLEY	303.24	0.7582	0.44845	962	Customer_Name	CHRISTINE_SUNDARESA	68.709	0.1729	0.86273
329	Postal_Code	37620	302.43	0.2763	0.78236	963	Customer_Name	CRAIG_MOLINARI	68.703	0.1611	0.87204
330	City	PEORIA	-302.25	-0.4840	0.62842	964	Customer_Name	LARRY_TRON	68.570	0.0832	0.93371
331	Customer_Name	DAVID_PHILIPPE	300.93	0.4120	0.68042	965	City	JEFFERSON_CITY	68.238	0.0992	0.92102
332	Postal_Code	1841	300.70	0.4344	0.66404	966	City	CHULA_VISTA	-68.031	-0.0862	0.93134
333	City	COVINGTON	-299.96	-0.4491	0.65340	967	Customer_Name	EUGENE_MOREN	67.980	0.1485	0.88199
334	Sub_Category	ART	-299.62	-2.7304	0.00638	968	Customer_Name	SUNG_PAK	67.809	0.1724	0.86314
335	Customer_Name	GENE_MCCLURE	-299.54	-0.5802	0.56187	969	Customer_Name	EVAN_MINNOTTE	67.741	0.0811	0.93541
336	Customer_Name	MAX_JONES	299.17	0.4607	0.64508	970	City	BLOOMINGTON	-67.689	-0.0988	0.92129
337	City	GLENDALE	-299.14	-0.4676	0.64016	971	Customer_Name	ROB_WILLIAMS	67.589	0.1502	0.88065
338	Customer_Name	RICK_HUTHWAITE	295.80	0.5691	0.56935	972	Postal_Code	40475	67.352	0.1675	0.86699
339	City	THORNTON	-294.75	-0.4454	0.65605	973	Customer_Name	ALEJANDRO_GROVE	-66.867	-0.1286	0.89771
340	City	MIDLAND	293.83	0.4611	0.64481	974	Customer_Name	TED_BUTTERFIELD	66.844	0.1150	0.90848
341	Customer_Name	ERICA_HERNANDEZ	-293.78	-0.2517	0.80130	975	Postal_Code	77041	-66.769	-0.3688	0.71232
342	Customer_Name	SUNG_SHARIARI	-293.38	-0.3811	0.70319	976	Customer_Name	JACK_GARZA	-66.624	-0.1172	0.90671
343	City	RICHARDSON	291.10	0.4222	0.67296	977	Customer_Name	KEN_DANA	66.279	0.1590	0.87369
344	Customer_Name	LENA_RADFORD	-289.28	-0.6603	0.50913	978	Customer_Name	LENA_CACIOPPO	66.185	0.1738	0.86201
345	City	LONGMONT	-288.56	-0.3232	0.74660	979	Customer_Name	GREG_MAXWELL	66.117	0.1452	0.88454
346	Customer_Name	TODD_SUMRALL	288.23	0.7268	0.46742	980	Customer_Name	SALLY_MATTHIAS	65.410	0.1318	0.89514
347	City	HOLLYWOOD	-287.42	-0.4251	0.67078	981	Customer_Name	CHRISTOPHER_SCHILD	64.852	0.1505	0.88039
348	City	MILWAUKEE	-286.84	-0.5040	0.61431	982	Customer_Name	DEIRDRE_GREER	63.509	0.1116	0.91114
349	City	BAYONNE	-284.38	-0.2964	0.76693	983	Customer_Name	FRANK_HAWLEY	-63.451	-0.1706	0.86457
350	Customer_Name	BARRY_FRANZ_SISCH	-283.67	-0.6735	0.50073	984	Customer_Name	CHLORIS_KASTENSMIDT	63.446	0.1606	0.87239
351	Customer_Name	GARY_ZANDUSKY	282.64	0.5971	0.55050	985	City	AUBURN	62.642	0.0697	0.94442
352	City	SAINT_PETERSBURG	-282.22	-0.4588	0.64639	986	Customer_Name	CAROL_TRIGGS	62.570	0.1502	0.88059
353	City	NEW_BEDFORD	-282.03	-0.3218	0.74762	987	Customer_Name	JILL_STEVENSON	62.489	0.1389	0.88954
354	City	GILBERT	-281.76	-0.4075	0.68370	988	Customer_Name	KEAN_NGUYEN	-62.455	-0.1084	0.91369
355	Customer_Name	JENNA_CAFFEY	281.08	0.2618	0.79353	989	Customer_Name	DELFINA_LATCHFORD	61.495	0.1257	0.90000
356	City	PERTH_AMBOY	-280.09	-0.3912	0.69572	990	Customer_Name	MIKE_CAUDLE	61.437	0.1343	0.89318
357	City	TEMPE	-280.07	-0.3796	0.70427	991	Postal_Code	61604	-61.140	-0.0911	0.92743
358	Customer_Name	JULIA_DUNBAR	279.53	0.4794	0.63174	992	Customer_Name	CHUCK_MAGEE	61.101	0.1400	0.88869
359	Customer_Name	ROGER_BARCIO	279.43	0.5789	0.56272	993	City	EVERETT	-61.016	-0.0981	0.92183
360	City	SCOTTSDALE	-279.03	-0.4309	0.66659	994	Customer_Name	BRYAN_MILLS	-60.919	-0.1501	0.88071
361	City	LONG_BEACH	-278.72	-0.4559	0.64851	995	City	BELLEVILLE	60.688	0.0977	0.92219
362	City	ROCKVILLE	-278.22	-0.3554	0.72236	996	Customer_Name	ANDREW_ALLEN	60.318	0.1392	0.88927
363	Customer_Name	KARL_BRAUN	274.66	0.7030	0.48213	997	Customer_Name	BRIAN_THOMPSON	-60.084	-0.1254	0.90021
364	City	WESTLAND	-273.88	-0.4018	0.68790	998	Customer_Name	TOBY_BRAUNHARDT	60.002	0.1199	0.90456
365	City	HIALEAH	-273.85	-0.4292	0.66780	999	Postal_Code	77506	-59.850	-0.1057	0.91583
366	City	PORT_SAINT_LUCIE	-273.41	-0.3964	0.69184	1E3	Customer_Name	BOBBY_ELIAS	59.705	0.0930	0.92593
367	Customer_Name	VIVEK_GRADY	271.41	0.4897	0.62437	1E3	City	DOVER	-59.599	-0.0489	0.96100
368	City	GULFPORT	-271.39	-0.2781	0.78099	1E3	Customer_Name	DEAN_KATZ	59.192	0.1324	0.89468
369	City	ROSEVILLE	-271.35	-0.4122	0.68026	1E3	City	MACON	-59.034	-0.0726	0.94211
370	City	CONCORD	-271.29	-0.3404	0.73356	1E3	City	ESCONDIDO	-58.901	-0.0518	0.95869
371	City	KNOXVILLE	-270.39	-0.4490	0.65350	1E3	Customer_Name	MARY_ZEWE	-58.680	-0.1250	0.90050
372	Customer_Name	VIVEK_GONZALEZ	267.70	0.3707	0.71092	1E3	Customer_Name	JASON_FORTUNE_	-58.433	-0.1269	0.89902
373	Customer_Name	TAMARA_WILLINGHAM	267.31	0.5843	0.55907	1E3	City	MENTOR	-58.206	-0.0598	0.95233
374	City	GRAND_RAPIDS	-266.91	-0.3855	0.69988	1E3	Postal_Code	42104	-57.626	-0.0788	0.93717
375	City	WATERBURY	-266.86	-0.4163	0.67722	1E3	Customer_Name	DORRIS_LIEBE	-57.376	-0.0976	0.92229
376	Postal_Code	92024	265.63	0.8149	0.41523	1E3	Customer_Name	SIBELLA_PARKS	57.247	0.1293	0.89710
377	Customer_Name	ERIN_SMITH	264.53	0.6464	0.51812	1E3	City	STERLING_HEIGHTS	57.210	0.0610	0.95136
378	Customer_Name	LAUREL_WORKMAN	-262.73	-0.6147	0.53885	1E3	City	FREMONT	-56.989	-0.0923	0.92649

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

64

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
379	City	SIOUX_FALLS	-262.23	-0.3722	0.70981	1E3	Customer_Name	MAUREEN_GASTINEAU	56.685	0.0990	0.92114
380	Customer_Name	DON_MILLER	261.92	0.4726	0.63653	1E3	Quantity		56.209	8.1954	0.00000
381	City	MORRISTOWN	261.74	0.3565	0.72148	1E3	Customer_Name	ROY_FRANZ_SISCH	55.774	0.1200	0.90446
382	Customer_Name	RUSSELL_D_ASCENZO	261.62	0.4469	0.65501	1E3	Customer_Name	CRAIG_CARROLL	55.713	0.1074	0.91447
383	Customer_Name	ALLEN_GOLDENEN	260.41	0.5694	0.56918	1E3	Customer_Name	CHRISTY_BRITTAINE	55.672	0.1368	0.89120
384	City	AKRON	-260.14	-0.4316	0.66607	1E3	Customer_Name	KATHERINE_HUGHES	-55.345	-0.0581	0.95364
385	City	GRAPEVINE	-258.96	-0.2885	0.77303	1E3	Customer_Name	LORI_OLSON	55.167	0.0807	0.93567
386	Customer_Name	VICTORIA_PISTEKA	258.73	0.5765	0.56435	1E3	Postal_Code	90008	55.109	0.3107	0.75610
387	Customer_Name	ALAN_HWANG	257.58	0.5559	0.57837	1E3	City	MCALLEN	-55.038	-0.0859	0.93156
388	Postal_Code	11572	257.26	0.4725	0.63662	1E3	Customer_Name	LISA_DECHERNEY	54.786	0.1122	0.91066
389	City	APPLETON	255.82	0.2642	0.79163	1E3	Customer_Name	CRAIG_REITER	54.786	0.0989	0.92120
390	Customer_Name	BILL_STEWART	254.76	0.5465	0.58477	1E3	Customer_Name	DOUG_O_CONNELL	-54.525	-0.0990	0.92118
391	Postal_Code	45014	-254.61	-0.3046	0.76074	1E3	Customer_Name	MICK_CREBAGGA	53.939	0.1299	0.89664
392	City	LOS_ANGELES	-254.04	-0.4626	0.64371	1E3	Customer_Name	SARA_LUXEMBURG	53.737	0.1129	0.91014
393	Sub_Category	LABELS	-253.47	-0.2055	0.03995	1E3	Customer_Name	VIVIAN_MATHIS	-53.445	-0.0721	0.94251
394	Customer_Name	MATHEW_REESE	-253.28	-0.4571	0.64762	1E3	Customer_Name	ALAN_SHONEY	-53.315	-0.1197	0.90477
395	Customer_Name	MARYBETH_SKACH	252.97	0.4521	0.65128	1E3	Customer_Name	EDWARD_BECKER	53.240	0.1314	0.89547
396	Postal_Code	77070	252.65	1.1766	0.23952	1E3	Customer_Name	ALEX_GRAYSON	-53.227	-0.1199	0.90459
397	Customer_Name	STEVE_CARROLL	252.07	0.4819	0.62991	1E3	Postal_Code	43229	-53.209	-0.1507	0.88024
398	Customer_Name	SAMPLE_COMPANY_A	252.05	0.4466	0.65524	1E3	City	TYLER	-52.999	-0.0546	0.95650
399	Postal_Code	48227	-250.83	-0.9100	0.36294	1E3	City	FARGO	52.504	0.0587	0.95323
400	Customer_Name	JOHN_HUSTON	-250.57	-0.4375	0.66183	1E3	Customer_Name	DENNIS_KANE	52.366	0.1318	0.89513
401	City	LAS_VEGAS	249.57	0.2880	0.77341	1E3	City	SALT_LAKE_CITY	-52.105	-0.0705	0.94380
402	Customer_Name	ALAN_SCHOENBERGER	249.17	0.4619	0.64418	1E3	Customer_Name	MARC_CRIER	51.824	0.0980	0.92192
403	Customer_Name	KUNST_MILLER	248.58	0.6255	0.53169	1E3	Customer_Name	CYNTHIA_VOLTZ	-50.834	-0.1311	0.89574
404	City	PEARLAND	-248.25	-0.2765	0.78222	1E3	Customer_Name	BRENDAN_MURRY	-50.705	-0.0912	0.92733
405	Customer_Name	KEAN_THORNTON	247.32	0.6297	0.52896	1E3	City	BRIDGETON	-50.407	-0.0528	0.95788
406	City	MEMPHIS	-247.06	-0.4006	0.68879	1E3	Customer_Name	JENNIFER_FERGUSON	-50.188	-0.1030	0.91798
407	City	HIGHLAND_PARK	-245.76	-0.3220	0.74748	1E3	Customer_Name	SANJIT_JACOBS	-49.806	-0.1297	0.89685
408	City	PENSACOLA	245.74	0.2471	0.80487	1E3	City	GARLAND	49.289	0.0517	0.95881
409	Customer_Name	JASON_GROSS	-244.78	-0.4032	0.68684	1E3	Customer_Name	SARAH_FOSTER	49.006	0.0649	0.94824
410	Postal_Code	48205	244.23	0.8071	0.41973	1E3	Customer_Name	SARAH_JORDON	48.894	0.0981	0.92186
411	Customer_Name	RICK_WILSON	243.81	0.5986	0.54952	1E3	City	CARY	-48.720	-0.0611	0.95127
412	Customer_Name	JAS_O_CARROLL	243.65	0.3278	0.74313	1E3	Customer_Name	TRACY_ZIC	48.172	0.0666	0.94690
413	Customer_Name	KAREN_SEIO	-243.16	-0.3070	0.75888	1E3	Customer_Name	STEVEN_WARD	-48.127	-0.1067	0.91504
414	City	ROCHESTER	-243.06	-0.3758	0.70710	1E3	City	ELMHURST	47.797	0.0401	0.96803
415	Customer_Name	VALERIE_TAKAHITO	-242.35	-0.3357	0.73713	1E3	City	MIDDLETOWN	-46.898	-0.0657	0.94762
416	Customer_Name	SHIRLEY_DANIELS	242.08	0.5595	0.57587	1E3	Customer_Name	HARRY_MARIE	46.697	0.0970	0.92275
417	Customer_Name	TAMARA_DAHLIN	-241.88	-0.4466	0.65519	1E3	Customer_Name	PAUL_KNUTSON	46.661	0.0643	0.94876
418	Customer_Name	MARK_VAN_HUFF	241.60	0.5549	0.57906	1E3	City	LANSING	-46.216	-0.0434	0.96535
419	Category	FURNITURE	241.28	1.3670	0.17178	1E3	Postal_Code	35601	-46.036	-0.0984	0.92162
420	Customer_Name	JAMES_GALANG	241.00	0.6046	0.54554	1E3	Customer_Name	NICK_RADFORD	-45.173	-0.0808	0.93558
421	City	COACHELLA	-240.93	-0.2599	0.79498	1E3	Postal_Code	19140	-45.169	-0.2513	0.80162
422	Customer_Name	BENJAMIN_PATTERSON	240.85	0.3473	0.72840	1E3	Customer_Name	CHRISTINA_DEMOSS	-44.966	-0.0924	0.92641
423	Customer_Name	THEONE_PIPPENGER	240.57	0.5325	0.59443	1E3	Customer_Name	KATRINA_WILLMAN	44.935	0.0976	0.92227
424	Customer_Name	THOMAS_BRUMLEY	240.55	0.3098	0.75676	1E3	Customer_Name	SHUI_TOM	44.851	0.0896	0.92865
425	City	SPRINGFIELD	-240.41	-0.4104	0.68154	1E3	Customer_Name	TRACY_BLUMSTEIN	44.818	0.1040	0.91719
426	Customer_Name	MATT_COLLISTER	239.43	0.4819	0.62994	1E3	City	LOVELAND	-44.658	-0.0443	0.96468
427	City	TUCSON	-238.25	-0.3981	0.69059	1E3	Customer_Name	GEORGE_BELL	44.441	0.1032	0.91779
428	City	CUYAHOGA_FALLS	-237.95	-0.3196	0.74928	1E3	Customer_Name	DEAN_BRADEN	-44.151	-0.1137	0.90952
429	Customer_Name	STUART_VAN	237.06	0.4208	0.67395	1E3	Customer_Name	JOY_BELL	-43.844	-0.0980	0.92195
430	City	MONTGOMERY	-236.99	-0.3613	0.71791	1E3	Customer_Name	RESI_P_LKING	43.246	0.1139	0.90930
431	City	APOPKA	-236.95	-0.3588	0.71981	1E3	Customer_Name	SCOT_WOOTEN	43.244	0.0996	0.92070
432	City	EAST_ORANGE	-235.22	-0.3178	0.75069	1E3	Customer_Name	CAROL_ADAMS	42.793	0.0819	0.93472
433	City	CAMARILLO	-234.90	-0.2600	0.79486	1E3	Customer_Name	JEREMY_ELLISON	42.673	0.1089	0.91333
434	Customer_Name	GIULIETTA_DORTCH	233.82	0.3226	0.74704	1E3	Customer_Name	SETH_VERNON	42.273	0.1172	0.90669
435	City	SANTA_MARIA	-233.24	-0.2614	0.79384	1E3	City	MOUNT_VERNON	42.086	0.0437	0.96517
436	City	POCATELLO	-233.00	-0.3417	0.73263	1E3	City	ORLANDO	41.854	0.0591	0.95290
437	Customer_Name	YANA_SORENSEN	232.37	0.4743	0.63534	1E3	Customer_Name	DARRIN_MARTIN	-41.843	-0.1034	0.91766
438	City	BROOMFIELD	-232.22	-0.3284	0.74264	1E3	Customer_Name	MICHELLE_MORAY	41.611	0.1084	0.91372
439	City	NEW_YORK_CITY	-232.16	-0.4279	0.66874	1E3	Customer_Name	TRUDY_GLOCKE	41.112	0.0886	0.92939
440	Customer_Name	THOMAS_THORNTON	231.60	0.4416	0.65882	1E3	Customer_Name	DAVID_KENDRICK	41.094	0.0722	0.94245
441	Customer_Name	MARIBETH_DONA	-231.12	-0.5863	0.55777	1E3	City	ASHEVILLE	-40.944	-0.0581	0.95369
442	Customer_Name	STEVEN_ROELLE	-230.81	-0.4724	0.63669	1E3	City	LORAIN	-40.838	-0.0594	0.95263
443	Sub_Category	CHAIRS	-230.37	-1.0485	0.29456	1E3	Customer_Name	BEN_FERRER	-40.456	-0.1060	0.91558
444	Customer_Name	SONIA_COOLEY	228.62	0.4145	0.67856	1E3	Customer_Name	ANNA_H_BERLIN	-40.075	-0.0936	0.92547
445	Customer_Name	EILEEN_KIEFER	228.15	0.2955	0.76764	1E3	Customer_Name	LINDSAY_WILLIAMS	40.071	0.0716	0.94292
446	City	TOLEDO	-227.81	-0.3530	0.72415	1E3	City	MIRAMAR	40.038	0.0578	0.95391

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

65

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
447	Customer_Name	DUANE_BENOIT	-227.74	-0.4857	0.62723	1E3	City	FRESNO	-39.850	-0.0627	0.95001
448	Customer_Name	GUY_PHONELY	-227.71	-0.2841	0.77638	1E3	City	TAMPA	-39.541	-0.0661	0.94732
449	Customer_Name	IVAN_LISTON	227.61	0.4972	0.61912	1E3	Customer_Name	TOBY_RITTER	39.348	0.0548	0.95631
450	Customer_Name	DANIEL_RAGLIN	-227.09	-0.3502	0.72620	1E3	City	MADISON	-39.069	-0.0517	0.95874
451	Sub_Category	BINDERS	-226.93	-2.0178	0.04375	1E3	Customer_Name	EVAN_HENRY	-38.968	-0.0731	0.94175
452	Customer_Name	DOUG_JACOBS	226.77	0.4129	0.67973	1E3	Customer_Name	SUSAN_PISTEK	-38.141	-0.0525	0.95816
453	Customer_Name	HILARY_HOLDEN	226.56	0.3133	0.75412	1E3	Postal_Code	22153	-38.088	-0.1152	0.90827
454	City	PARMA	226.44	0.2430	0.80806	1E3	Customer_Name	NATHAN_MAUTZ	38.062	0.0937	0.92534
455	City	ROCKFORD	-226.24	-0.3271	0.74362	1E3	Customer_Name	HENRY_MACALLISTER	38.012	0.0689	0.94510
456	City	SUFFOLK	-226.15	-0.3275	0.74334	1E3	Customer_Name	BRUCE_GELD	-37.944	-0.0681	0.94570
457	Customer_Name	DON_JONES	225.88	0.5010	0.61643	1E3	Postal_Code	60610	37.626	0.1679	0.86668
458	City	OXNARD	-225.80	-0.3202	0.74884	1E3	City	LAREDO	-37.549	-0.0515	0.95896
459	Sub_Category	PAPER	-225.68	-2.1403	0.03245	1E3	Customer_Name	HAROLD_DAHLEN	-37.471	-0.0770	0.93863
460	Customer_Name	RICARDO_EMERSON	-224.39	-0.2567	0.79744	1E3	Customer_Name	HEATHER_KIRKLAND	-37.360	-0.0957	0.92373
461	Customer_Name	HERBERT_FLENTYE	223.37	0.5625	0.57387	1E3	City	NORFOLK	-36.677	-0.0370	0.97050
462	Sub_Category	ACCESSORIES	-222.94	-3.0769	0.00212	1E3	Customer_Name	HAROLD_PAWLAN	-36.578	-0.0861	0.93139
463	Customer_Name	NAT_GILPIN	222.93	0.4994	0.61755	1E3	Customer_Name	JULIANA_KROHN	36.319	0.0497	0.96039
464	Customer_Name	SANDRA_GLASSCO	222.49	0.4374	0.66188	1E3	Customer_Name	ROB_LUCAS	36.303	0.0921	0.92666
465	Customer_Name	FRANK_OLESEN	222.29	0.5341	0.59330	1E3	Customer_Name	LAUREL_ELLISTON	35.791	0.0729	0.94187
466	Customer_Name	HAROLD_RYAN	222.08	0.3662	0.71423	1E3	Customer_Name	HELEN_ANDREADA	35.564	0.0909	0.92756
467	Customer_Name	CYNTHIA_ARNTZEN	221.83	0.4926	0.62232	1E3	Customer_Name	JOSEPH_HOLT	-35.322	-0.0620	0.95059
468	Customer_Name	BARRY_BLUMSTEIN	221.37	0.2726	0.78516	1E3	Customer_Name	BRYAN_DAVIS	35.297	0.0490	0.96094
469	Customer_Name	THAIS_SISSLMAN	220.89	0.3023	0.76243	1E3	Customer_Name	JACK_O_BRIANT	-35.170	-0.0834	0.93355
470	City	STOCKTON	-220.58	-0.3387	0.73490	1E3	Ship_Mode	SAME_DAY	-35.121	-0.6246	0.53230
471	Customer_Name	DENNY_JOY	220.30	0.3062	0.75951	1E3	Customer_Name	BRIAN_DECHERNEY	-34.852	-0.0629	0.94983
472	Customer_Name	CYRA_REITEN	218.83	0.4898	0.62432	1E3	Customer_Name	PHILLIP_FLATHMANN	-34.601	-0.0809	0.93553
473	Customer_Name	ADRIAN_SHAMI	218.78	0.3047	0.76062	1E3	Customer_Name	MEG_TILLMAN	34.444	0.0569	0.95461
474	Customer_Name	ANNA_ANDREADI	217.62	0.4696	0.63873	1E3	Customer_Name	BECKY_PAK	34.254	0.0699	0.94427
475	Customer_Name	ERICA HACKNEY	217.23	0.3952	0.69272	1E3	Customer_Name	LAUREN LEATHERBURY	34.061	0.0743	0.94081
476	Customer_Name	TODD_BOYES	217.11	0.4463	0.65543	1E3	Customer_Name	DARREN_BUDD	33.593	0.0899	0.92836
477	City	TEXARKANA	-216.91	-0.2968	0.76666	1E3	Customer_Name	DANIEL_LACY	33.548	0.0803	0.93597
478	City	MAPLE_GROVE	-215.92	-0.3081	0.75803	1E3	Customer_Name	SONIA_SUNLEY	-32.923	-0.0539	0.95703
479	Customer_Name	HEATHER_JAS	-215.51	-0.4437	0.65733	1E3	Customer_Name	ALLEN_ARMOLD	32.895	0.0851	0.93221
480	Customer_Name	GARY_MCGARR	215.39	0.4764	0.63384	1E3	Customer_Name	BEN_WALLACE	-32.661	-0.0685	0.94536
481	Postal_Code	19805	-215.09	-0.3279	0.74299	1E3	City	PROVIDENCE	-32.340	-0.0498	0.96028
482	Customer_Name	EDWARD_NAZZAL	215.01	0.4426	0.65813	1E3	Customer_Name	DENNY_ORDWAY	32.212	0.0792	0.93689
483	City	SUPERIOR	-213.90	-0.2895	0.77219	1E3	City	MONTEBELLO	-32.171	-0.0335	0.97330
484	City	RICHMOND	-213.70	-0.3453	0.72991	1E3	Customer_Name	ANDY_GERBODE	31.995	0.0654	0.94790
485	Postal_Code	98105	-213.02	-1.1195	0.26308	1E3	Customer_Name	CHUCK_CLARK	31.993	0.0751	0.94015
486	Customer_Name	ALEX_RUSSELL	-213.00	-0.2943	0.76856	1E3	Customer_Name	LINDSAY_CASTELL	31.486	0.0521	0.95843
487	City	COTTAGE_GROVE	-212.99	-0.3094	0.75708	1E3	City	JONESBORO	-31.323	-0.0414	0.96701
488	Postal_Code	98103	-211.69	-1.0725	0.28363	1E3	Customer_Name	FRED_HARTON	31.216	0.0723	0.94233
489	City	SAN_BERNARDINO	-210.94	-0.2335	0.81537	1E3	Customer_Name	PATRICK_O_DONNELL	31.176	0.0739	0.94107
490	Customer_Name	JASON_KLAMCZYNSKI	-210.42	-0.2886	0.77294	1E3	Customer_Name	MARIA_BERTELSON	-30.976	-0.0712	0.94323
491	Customer_Name	JOEL_JENKINS	210.17	0.3567	0.72136	1E3	Customer_Name	DOUG_BICKFORD	-30.487	-0.0707	0.94366
492	Customer_Name	DANIEL_BYRD	209.96	0.4569	0.64780	1E3	Customer_Name	MAURICE_SATTY	30.399	0.0690	0.94499
493	City	KENT	-209.90	-0.2167	0.82846	1E3	Customer_Name	CARL_WEISS	-30.344	-0.0471	0.96243
494	Customer_Name	GEORGE_ASHBROOK	209.88	0.5188	0.60393	1E3	Customer_Name	ERIN_CREIGHTON	29.877	0.0665	0.94698
495	Customer_Name	KEITH_DAWKINS	209.23	0.4895	0.62453	1E3	City	LONGVIEW	29.612	0.0382	0.96950
496	City	JOHNSON_CITY	-208.83	-0.3311	0.74062	1E3	Customer_Name	DAVID_WIENER	29.579	0.0611	0.95128
497	Customer_Name	STUART_CALHOUN	208.09	0.4598	0.64568	1E3	City	CLINTON	-29.547	-0.0498	0.96030
498	Customer_Name	CATHY_ARMSTRONG	-207.99	-0.4883	0.62539	1E3	Customer_Name	KHLOE_MILLER	-29.463	-0.0655	0.94778
499	Postal_Code	19901	-207.86	-0.1645	0.86932	1E3	Customer_Name	MAUREEN_GNADE	29.241	0.0405	0.96767
500	City	JACKSON	-207.41	-0.3441	0.73083	1E3	Customer_Name	LAURA_ARMSTRONG	29.040	0.0635	0.94934
501	Customer_Name	KELLY_COLLISTER	207.41	0.2879	0.77344	1E3	City	SEATTLE	28.838	0.0520	0.95855
502	City	MASON	207.12	0.2348	0.81440	1E3	Customer_Name	MIKE_VITTORINI	28.774	0.0597	0.95237
503	Customer_Name	CHRIS_CORTES	-206.78	-0.5248	0.59980	1E3	City	FORT_LAUDERDALE	28.277	0.0462	0.96316
504	City	SUMMERVERILLE	-206.23	-0.1933	0.84672	1E3	Customer_Name	PAUL_GONZALEZ	-27.835	-0.0693	0.94474
505	City	BELLEVUE	-206.17	-0.2710	0.78642	1E3	Customer_Name	MATT_CONNELL	-27.658	-0.0721	0.94251
506	Customer_Name	JOSEPH_AIRDO	205.69	0.4999	0.61724	1E3	Customer_Name	DOROTHY_BADDERS	27.584	0.0617	0.95079
507	City	DES_PLAINES	-204.88	-0.2566	0.79751	1E3	City	FARMINGTON	-27.584	-0.0302	0.97588
508	Customer_Name	MUHAMMED_YEDWAB	204.67	0.4751	0.63480	1E3	Customer_Name	PETE_TAKAHITO	-27.472	-0.0552	0.95597
509	Customer_Name	JULIE_PRESCOTT	204.44	0.5259	0.59900	1E3	City	WARWICK	27.091	0.0298	0.97622
510	City	SOUTHAVEN	204.34	0.2245	0.82239	1E3	Customer_Name	DARRIN_SAYRE	-26.204	-0.0611	0.95132
511	City	MORENO_VALLEY	-203.49	-0.2704	0.78689	1E3	City	PINE_BLUFF	26.124	0.0273	0.97826
512	Customer_Name	LIZ_THOMPSON	202.58	0.4207	0.67405	1E3	Postal_Code	75217	-25.824	-0.0812	0.93532
513	City	GREAT_FALLS	-201.35	-0.2730	0.78489	1E3	Customer_Name	CATHERINE_GLOTZBACH	25.708	0.0503	0.95987
514	Customer_Name	CARLOS_DALY	201.03	0.4173	0.67652	1E3	Customer_Name	PAUL_LUCAS	-25.473	-0.0460	0.96328

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

66

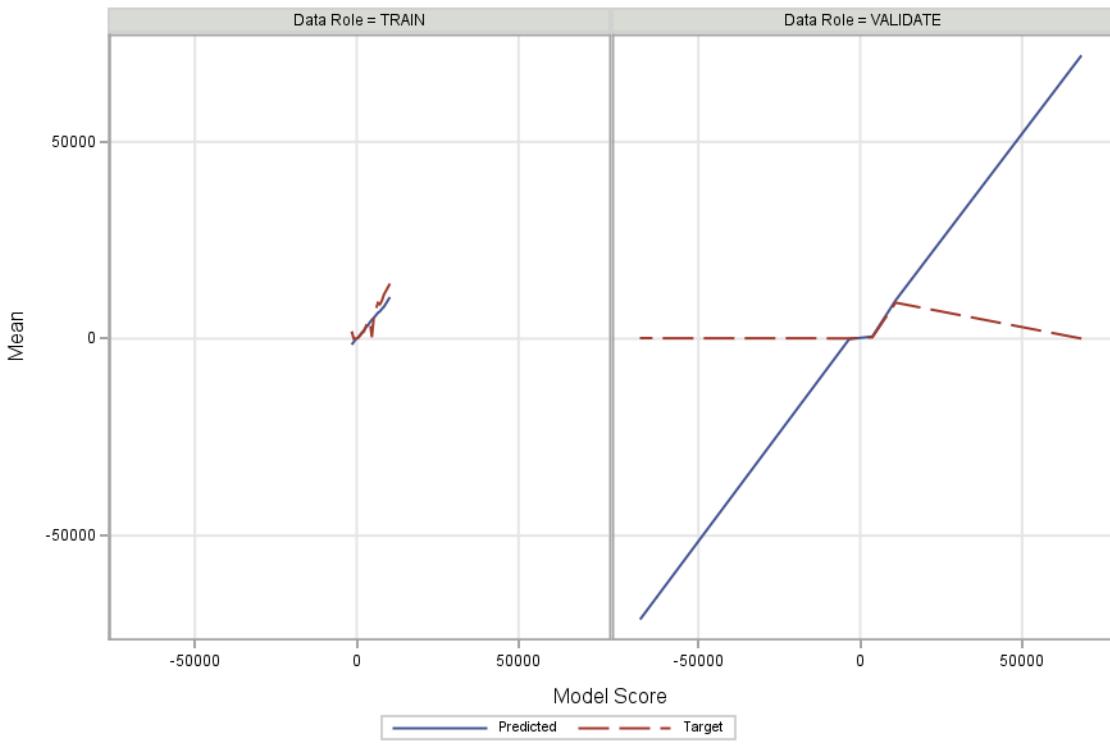
Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
515	Postal_Code	6824	-200.97	-0.2527	0.80051	1E3	City	SKOKIE	-25.427	-0.0390	0.96888
516	Customer_Name	TONY_SAYRE	200.94	0.4144	0.67863	1E3	Customer_Name	JUSTIN_MACKENDRICK	-24.717	-0.0524	0.95819
517	Customer_Name	JONATHAN_HOWELL	-199.78	-0.4242	0.67150	1E3	City	ROSWELL	-24.654	-0.0408	0.96745
518	Customer_Name	FRANK_CARLISLE	199.39	0.3190	0.74973	1E3	Customer_Name	ART_FOSTER	-24.626	-0.0340	0.97285
519	City	PLANTATION	-198.62	-0.2995	0.76462	1E3	Customer_Name	TRACY_COLLINS	-24.116	-0.0502	0.95997
520	City	HEMPSTEAD	-198.12	-0.2639	0.79186	1E3	Customer_Name	KATHERINE_NOCKTON	24.115	0.0612	0.95121
521	Customer_Name	GIULIETTA_WEIMER	-197.44	-0.4472	0.65475	1E3	Customer_Name	JOHN_LUCAS	23.833	0.0540	0.95694
522	Customer_Name	BRIAN_MOSS	197.26	0.4945	0.62103	1E3	Customer_Name	BRIAN_DAHLEN	-23.790	-0.0600	0.95219
523	Customer_Name	NORA_PAIGE	196.85	0.3541	0.72328	1E3	City	NEWPORT_NEWS	-23.500	-0.0245	0.98045
524	Customer_Name	CASSANDRA_BRANDOW	196.18	0.3510	0.72563	1E3	Customer_Name	ANTHONY_JOHNSON	-23.265	-0.0549	0.95620
525	Discount		195.68	1.4036	0.16059	1E3	Customer_Name	ED_JACOBS	23.051	0.0293	0.97663
526	City	HICKORY	-195.54	-0.2226	0.82385	1E3	Customer_Name	JACK_LEBRON	22.839	0.0461	0.96320
527	Customer_Name	ANN_CHONG	195.05	0.4560	0.64847	1E3	Customer_Name	NATHAN_CANO	22.803	0.0532	0.95754
528	City	CHESAPEAKE	194.57	0.2563	0.79778	1E3	Ship_Mode	SECOND_CLASS	22.732	0.6153	0.53845
529	Customer_Name	CATHY_HWANG	193.99	0.3884	0.69775	1E3	Customer_Name	TOBY_SWINDELL	-22.537	-0.0478	0.96190
530	Customer_Name	MICHAEL_OAKMAN	193.65	0.2583	0.79623	1E3	City	LEWISTON	22.429	0.0239	0.98090
531	Customer_Name	KEITH_HERRERA	193.47	0.4733	0.63603	1E3	Customer_Name	SPEROS_GORANITIS	22.420	0.0500	0.96009
532	Customer_Name	JOCASTA_RUPERT	193.23	0.2631	0.79254	1E3	Customer_Name	RICK_DUSTON	21.879	0.0393	0.96863
533	Customer_Name	TAMARA_CHAND	193.06	0.3713	0.71045	1E3	City	MARLBOROUGH	21.791	0.0245	0.98047
534	City	RIVERSIDE	-193.03	-0.3139	0.75361	1E3	Customer_Name	DAVE_KIPP	-21.570	-0.0447	0.96435
535	Customer_Name	BOBBY_ODEGARD	192.79	0.2691	0.78785	1E3	Postal_Code	11561	21.539	0.0594	0.95265
536	City	UTICA	-191.56	-0.3683	0.71268	1E3	Customer_Name	SHAHID_COLLISTER	21.466	0.0497	0.96036
537	Customer_Name	RAYMOND_MESSE	191.24	0.2676	0.78902	1E3	Customer_Name	SKYE_NORLING	21.348	0.0458	0.96346
538	City	SAN_LUIS_OBISPO	190.92	0.1784	0.85846	1E3	Customer_Name	BRAD_NORVELL	-21.254	-0.0265	0.97888
539	City	DENVER	-190.64	-0.3158	0.75222	1E3	Postal_Code	24153	-21.090	-0.0347	0.97236
540	Customer_Name	VICKY_FREYMANN	190.45	0.3894	0.69699	1E3	Customer_Name	SHIRLEY_JACKSON	-21.007	-0.0435	0.96529
541	Customer_Name	NEIL_DUCICH	-190.15	-0.2024	0.83960	1E3	City	EAU_CLAIRE	20.686	0.0268	0.97862
542	City	OKLAHOMA_CITY	-189.66	-0.3121	0.75500	1E3	Postal_Code	65807	-20.431	-0.0606	0.95165
543	Customer_Name	TROY_BLACKWELL	189.59	0.3343	0.73821	1E3	Customer_Name	TOM_STIVERS	20.380	0.0390	0.96891
544	Customer_Name	TRUDY_BROWN	189.46	0.3438	0.73104	1E3	Customer_Name	HALLIE_REDMOND	-20.089	-0.0480	0.96169
545	City	WACO	-189.14	-0.2534	0.79999	1E3	Customer_Name	JANET_LEE	19.884	0.0467	0.96274
546	Customer_Name	MICHELLE_ARNETT	188.44	0.1882	0.85073	1E3	Sub_Category	STORAGE	-19.628	-0.1806	0.85670
547	Customer_Name	BRENDA_BOWMAN	188.41	0.4672	0.64042	1E3	Customer_Name	HENRY_GOLDWYN	-19.450	-0.0352	0.97190
548	Customer_Name	IRENE_MADDUX	188.31	0.4601	0.64549	1E3	Customer_Name	BENJAMIN_FARHAT	-18.823	-0.0387	0.96910
549	Customer_Name	MAX_LUDWIG	187.79	0.4342	0.66417	1E3	Customer_Name	JOY_DANIELS	18.740	0.0385	0.96927
550	Customer_Name	RICHARD_BIERNER	187.61	0.4856	0.62733	1E3	Customer_Name	MARK_COUSINS	-18.391	-0.0386	0.96921
551	Customer_Name	AMY_HUNT	187.57	0.3256	0.74477	1E3	Customer_Name	JOHN_LEE	18.352	0.0516	0.95882
552	Customer_Name	ARTHUR_WIEDIGER	186.19	0.4095	0.68221	1E3	Customer_Name	KATRINA_EDELMAN	18.278	0.0432	0.96557
553	City	BOLINGBROOK	-186.03	-0.2456	0.80605	1E3	City	BOSSIER_CITY	17.952	0.0234	0.98134
554	Customer_Name	MICHAEL_KENNEDY	-186.01	-0.4401	0.65990	1E3	Customer_Name	FRED_HOPKINS	17.947	0.0388	0.96904
555	Customer_Name	EMILY_DUCICH	185.17	0.4645	0.64235	1E3	City	TULSA	-17.471	-0.0282	0.97750
556	Customer_Name	JIM_KARLSSON	185.14	0.3350	0.73766	1E3	Customer_Name	JAMIE_KUNITZ	-17.420	-0.0406	0.96762
557	Customer_Name	DAN_REICHENBACH	-185.02	-0.4027	0.68722	1E3	Postal_Code	47401	17.378	0.0199	0.98411
558	City	RALEIGH	184.03	0.2870	0.77417	1E3	City	MIAMI	-16.920	-0.0276	0.97799
559	City	FAYETTEVILLE	183.83	0.2724	0.78534	1E3	Postal_Code	19711	-16.693	-0.0436	0.96525
560	Customer_Name	RANDY_FERGUSON	-183.30	-0.1767	0.85975	1E3	Customer_Name	EDWARD_HOOKS	-16.184	-0.0416	0.96684
561	Customer_Name	MICHELLE_HUTHWAITE	-182.96	-0.4203	0.67433	1E3	Customer_Name	CINDY_SCHNELLING	15.900	0.0335	0.97328
562	Customer_Name	NEOMA_MURRAY	182.95	0.3626	0.71695	1E3	Customer_Name	PATRICK_RYAN	15.365	0.0321	0.97437
563	Customer_Name	ERIC_HOFFMANN	182.41	0.3928	0.69454	1E3	Customer_Name	CHRISTOPHER_CONANT	14.455	0.0299	0.97617
564	City	PASADENA	-181.89	-0.2794	0.77995	1E3	Customer_Name	CATHY_PRESCOTT	14.158	0.0289	0.97698
565	Customer_Name	SHAUN_WEIEN	-181.76	-0.3168	0.75141	1E3	Customer_Name	DIANNA_VITTORINI	-14.076	-0.0306	0.97562
566	Customer_Name	NICOLE_HANSEN	180.93	0.3661	0.71434	1E3	City	SHEBOYGAN	-13.781	-0.0157	0.98745
567	Customer_Name	ROSE_O_BRIAN	-180.79	-0.3608	0.71828	1E3	Customer_Name	LUKE_SCHMIDT	13.336	0.0317	0.97474
568	Customer_Name	KATHARINE_HARMS	180.31	0.3634	0.71637	1E3	Customer_Name	PAUL_STEVENSON	-13.323	-0.0296	0.97639
569	City	APPLE_VALLEY	-179.88	-0.1690	0.86580	1E3	Customer_Name	SEAN_BRAXTON	-13.218	-0.0356	0.97162
570	City	LANCASTER	-179.58	-0.2667	0.78975	1E3	Customer_Name	HUNTER_LOPEZ	13.079	0.0268	0.97863
571	Customer_Name	RUSSELL_APPLEGATE	179.08	0.3817	0.70273	1E3	Customer_Name	STEPHANIE_ULPRIGHT	13.075	0.0275	0.97804
572	Customer_Name	BECKY_CASTELL	177.86	0.4257	0.67034	1E3	Customer_Name	JILL_FJELD	12.740	0.0178	0.98582
573	Postal_Code	94109	-176.73	-1.0805	0.28006	1E3	City	MALDEN	12.700	0.0145	0.98847
574	Postal_Code	14609	176.69	0.3940	0.69361	1E3	Customer_Name	STEVEN_CARTWRIGHT	12.614	0.0317	0.97467
575	Customer_Name	TONY_CHAPMAN	174.47	0.3271	0.74364	1E3	Customer_Name	JAY_KIMMEL	-12.588	-0.0336	0.97320
576	Customer_Name	MATT_COLLINS	174.18	0.3706	0.71100	1E3	City	HARLINGEN	12.336	0.0126	0.98993
577	Customer_Name	VICTORIA_WILSON	174.11	0.4251	0.67082	1E3	City	EDMONDS	-12.280	-0.0264	0.97898
578	Sub_Category	ENVELOPES	-173.29	-1.2745	0.20265	1E3	Customer_Name	AARON_SMAYLING	12.042	0.0197	0.98431
579	City	BURBANK	-172.72	-0.1790	0.85794	1E3	Customer_Name	KIMBERLY_CARTER	-11.825	-0.0197	0.98432
580	Customer_Name	BETH_THOMPSON	171.80	0.3068	0.75900	1E3	Customer_Name	DAVE_BROOKS	11.770	0.0204	0.98370
581	City	DETROIT	-171.65	-0.3049	0.76045	1E3	Customer_Name	CHRIS_MCAFEE	-11.348	-0.0205	0.98365
582	Customer_Name	RYAN_AKIN	171.57	0.3031	0.76184	1E3	City	SALINAS	10.979	0.0164	0.98693

SAS Enterprise Miner Report
Node=Exhaustive Regression
Regression Model Effects

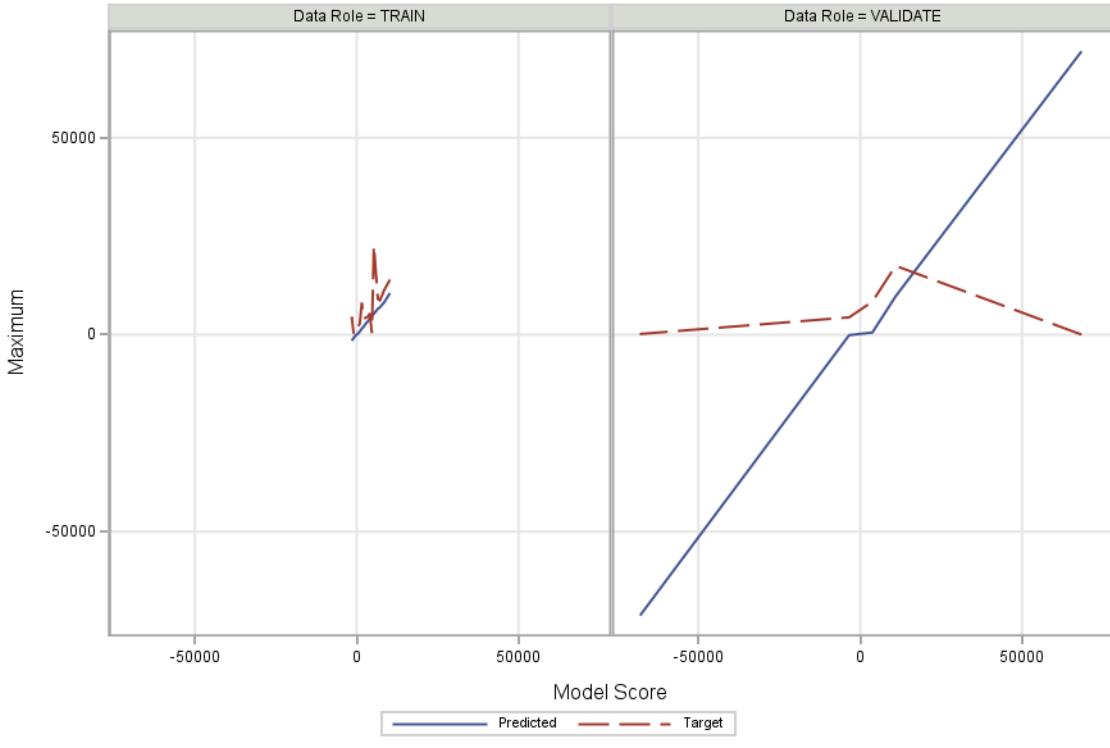
67

Effect Number	Variable	Level	Coefficient	T-value	P Value	Effect Number	Variable	Level	Coefficient	T-value	P Value
583	Postal_Code	90045	171.33	0.9729	0.33071	1E3	Customer_Name	CARL_LUDWIG	10.894	0.0231	0.98160
584	Customer_Name	HAROLD_ENGLE	170.78	0.3416	0.73267	1E3	City	DURHAM	-10.384	-0.0151	0.98795
585	Customer_Name	AIMEE_BIXBY	170.10	0.3191	0.74965	1E3	Customer_Name	NICK_CREBASSA	-9.884	-0.0180	0.98566
586	Customer_Name	OLVERA_TOCH	170.03	0.3510	0.72560	1E3	Customer_Name	BERENIKE_KAMPE	9.678	0.0213	0.98297
587	City	REDLANDS	-169.12	-0.2621	0.79328	1E3	Customer_Name	JONI_WASSERMAN	-9.387	-0.0222	0.98229
588	Customer_Name	EUGENE_HILDEBRAND	-169.01	-0.3659	0.71451	1E3	Customer_Name	JASPER_CACIOPPO	9.098	0.0160	0.98726
589	City	NEWARK	-168.99	-0.2689	0.78803	1E3	City	MANCHESTER	-8.776	-0.0133	0.98940
590	Postal_Code	60623	168.97	0.7935	0.42757	1E3	Customer_Name	FRANK_GASTINEAU	8.649	0.0205	0.98363
591	Customer_Name	NATALIE_DECHERNEY	168.91	0.4347	0.66381	1E3	Ship_Mode	FIRST_CLASS	8.333	0.2158	0.82919
592	Customer_Name	STEVE_NGUYEN	168.84	0.4286	0.66826	1E3	Postal_Code	19134	-8.315	-0.0457	0.96353
593	City	CHANDLER	-168.77	-0.2432	0.80790	1E3	Customer_Name	DON_WEISS	-8.008	-0.0135	0.98925
594	Customer_Name	TONY_MOLINARI	-168.72	-0.2334	0.81546	1E3	Customer_Name	TED_TREVINO	7.805	0.0182	0.98551
595	City	BRENTWOOD	168.30	0.2581	0.79637	1E3	Customer_Name	DIANNA_WILSON	7.372	0.0142	0.98871
596	Customer_Name	EMILY_PHAN	-167.62	-0.4243	0.67137	1E3	City	HOLLAND	7.196	0.0091	0.99275
597	City	ARLINGTON	-167.13	-0.2629	0.79267	1E3	Customer_Name	JOEL_EATON	-6.790	-0.0149	0.98814
598	Customer_Name	WILLIAM_BROWN	166.72	0.3722	0.70982	1E3	Customer_Name	CHRIS_SELESNICK	-6.725	-0.0159	0.98735
599	Customer_Name	GRACE_KELLY	166.43	0.3969	0.69146	1E3	Customer_Name	JOE_KAMBEROVA	-6.507	-0.0139	0.98889
600	City	TROY	166.35	0.2442	0.80713	1E3	Postal_Code	2169	-6.394	-0.0078	0.99380
601	City	GREEN_BAY	166.28	0.1869	0.85173	1E3	Customer_Name	CRAIG_CARREIRA	6.315	0.0138	0.98901
602	Customer_Name	ALAN_BARNES	-166.05	-0.3208	0.74837	1E3	Postal_Code	39212	6.199	0.0164	0.98690
603	Customer_Name	DARREN_POWERS	165.89	0.2273	0.82022	1E3	Customer_Name	MICHELLE_TRAN	6.181	0.0112	0.99110
604	Customer_Name	JAMIE_FRAZER	165.22	0.3936	0.69392	1E3	Postal_Code	19120	6.041	0.0317	0.97473
605	City	HENDERSONVILLE	-165.18	-0.2185	0.82709	1E3	City	CARLSBAD	5.909	0.0081	0.99357
606	City	VANCOUVER	-164.99	-0.2151	0.82967	1E3	City	HARRISONBURG	-5.867	-0.0084	0.99327
607	Customer_Name	FRED_CHUNG	164.94	0.3408	0.73326	1E3	City	SHELTON	5.821	0.0065	0.99478
608	Customer_Name	JEREMY_FARRY	164.84	0.3810	0.70325	1E3	Customer_Name	ELLIS_BALLARD	-5.531	-0.0099	0.99211
609	City	AURORA	-164.65	-0.2779	0.78108	1E3	Customer_Name	GUY_ARMSTRONG	-5.310	-0.0139	0.98893
610	City	NORTH_LAS_VEGAS	-164.47	-0.2620	0.79337	1E3	Customer_Name	CANDACE_MCMAHON	5.114	0.0128	0.98975
611	City	WESTFIELD	-164.46	-0.1800	0.85718	1E3	Customer_Name	ANNE_MCFARLAND	4.651	0.0076	0.99395
612	Customer_Name	MICHAEL_MOORE	164.06	0.3422	0.73222	1E3	Postal_Code	90004	4.457	0.0239	0.98094
613	Customer_Name	PETE_ARMSTRONG	-163.97	-0.3180	0.75054	1E3	Customer_Name	JOHN_CASTELL	4.271	0.0080	0.99359
614	City	ANAHEIM	-163.83	-0.2620	0.79339	1E3	Customer_Name	TOBY_GNADE	-4.217	-0.0083	0.99339
615	Category	OFFICE_SUPPLIES	-163.51	-1.2225	0.22167	1E3	Customer_Name	BART_PISTOLE	4.021	0.0099	0.99207
616	City	FLORENCE	-163.01	-0.2399	0.81041	1E3	Customer_Name	DAMALA_KOTSONIS	3.638	0.0099	0.99210
617	Customer_Name	RUBEN_DARTT	162.96	0.3208	0.74838	1E3	Customer_Name	DENNY_BLANTON	3.615	0.0059	0.99528
618	Customer_Name	KEN_BRENNAN	162.64	0.3541	0.72329	1E3	Customer_Name	MICK_BROWN	-3.534	-0.0044	0.99653
619	Customer_Name	BRENDAN_DODSON	162.53	0.2179	0.82750	1E3	Customer_Name	ROSS_BAIRD	3.334	0.0082	0.99345
620	Customer_Name	FRED_MCMATH	162.17	0.2816	0.77826	1E3	Customer_Name	AARON_HAWKINS	3.009	0.0052	0.99588
621	Customer_Name	TIM_BROCKMAN	-162.06	-0.4241	0.67155	1E3	City	ODESSA	-2.542	-0.0029	0.99771
622	City	TEMECULA	-161.81	-0.2002	0.84138	1E3	City	WESTMINSTER	2.452	0.0039	0.99692
623	Postal_Code	38301	161.61	0.3119	0.75518	1E3	City	HUNTSVILLE	-2.423	-0.0038	0.99697
624	Customer_Name	HARRY_GREENE	160.31	0.3288	0.74231	1E3	Customer_Name	STEVE_CHAPMAN	2.337	0.0053	0.99575
625	City	GROVE_CITY	-159.95	-0.1727	0.86290	1E3	Customer_Name	JOE_ELIJAH	-2.335	-0.0058	0.99537
626	Customer_Name	JONATHAN_DOHERTY	158.84	0.4191	0.67517	1E3	City	BOZEMAN	2.291	0.0025	0.99799
627	Customer_Name	PETE_KRIZ	158.20	0.4177	0.67619	1E3	Customer_Name	KRISTINA_NUNN	-2.091	-0.0048	0.99620
628	Customer_Name	MARK_HABERLIN	157.45	0.2594	0.79532	1E3	Customer_Name	CLYTIE_KELTY	-1.884	-0.0039	0.99691
629	Customer_Name	ELIZABETH_MOFFITT	157.40	0.3577	0.72059	1E3	Customer_Name	MARINA_LICHENSTEIN	1.634	0.0034	0.99731
630	City	SAN_GABRIEL	157.12	0.1847	0.85349	1E3	Profit		1.241	22.6634	0.00000
631	Customer_Name	JOHN_STEVENS	-157.07	-0.2687	0.78816	1E3	Customer_Name	ANNIE_THURMAN	1.232	0.0027	0.99785
632	Customer_Name	CARLOS_SOLTERO	156.93	0.3968	0.69159	1E3	Customer_Name	TIM_TASLIMI	-0.819	-0.0011	0.99909
633	City	SAGINAW	-156.70	-0.2046	0.83791	1E3	Customer_Name	VICTOR_PREIS	-0.238	-0.0004	0.99966
634	Customer_Name	BRUCE_STEWART	156.20	0.4154	0.67788	1E3	Order_Date		-0.008	-0.1905	0.84891

SAS Enterprise Miner Report
 Node=Exhaustive Regression
 Score Distributions where TARGET='Sales'



SAS Enterprise Miner Report
 Node=Exhaustive Regression
 Score Distributions where TARGET='Sales'



Node=Exhaustive Regression
Score Distributions

Target Variable=Sales Data Role=TRAIN

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
9957.934 - 10579.522	10579.52	10579.52	10579.52	13999.96	13999.96	13999.96
8093.171 - 8714.758	8114.39	8114.39	8114.39	11199.97	11199.97	11199.97
7471.583 - 8093.171	7582.49	7658.26	7506.71	9671.35	9892.74	9449.95
6849.995 - 7471.583	6937.31	6937.31	6937.31	8749.95	8749.95	8749.95
6228.407 - 6849.995	6585.95	6585.95	6585.95	9099.93	9099.93	9099.93
4985.231 - 5606.819	5324.86	5561.07	5055.36	5673.78	22638.48	8.02
4363.643 - 4985.231	4815.89	4815.89	4815.89	396.00	396.00	396.00
3742.055 - 4363.643	4142.03	4189.52	4108.49	4512.09	5443.96	3404.50
3120.467 - 3742.055	3408.91	3629.58	3188.25	4476.86	4548.81	4404.90
2498.880 - 3120.467	2840.03	3048.43	2580.90	3034.34	4367.90	1919.98
1877.292 - 2498.880	2121.06	2453.43	1877.82	1807.85	4007.84	52.14
1255.704 - 1877.292	1504.48	1858.84	1264.42	1404.18	8187.65	7.04
634.116 - 1255.704	849.89	1238.66	637.25	713.58	2803.92	2.74
12.528 - 634.116	221.16	633.85	12.57	158.85	1889.95	0.84
-609.060 - 12.528	-105.97	12.34	-597.91	37.63	1345.49	0.44
-1230.648 - -609.060	-806.56	-615.94	-1018.95	22.91	95.95	3.20
-1852.236 - -1230.648	-1510.81	-1297.43	-1852.24	1820.56	4499.99	64.70

Target Variable=Sales Data Role=VALIDATE

Range for Predicted	Mean Predicted	Max Predicted	Min Predicted	Mean Target	Max Target	Min Target
64751.672 - 71927.056	71927.06	71927.06	71927.06	44.86	44.86	44.856
7348.604 - 14523.988	9748.73	11820.99	7676.47	9160.62	17499.95	821.300
173.221 - 7348.604	568.64	5096.49	173.53	351.70	8399.98	1.080
-7002.163 - 173.221	-107.70	172.37	-4316.59	92.47	4416.17	0.556
-71580.615 - -64405.231	-71272.61	-70964.61	-71580.61	146.85	194.32	99.372

SAS Enterprise Miner Report

Node=NeuralNetwork ModelComparison Summary

Node id = MdlComp3
 Node label = NeuralNetwork ModelComparison
 Meta path = lds2 => Part => Neural => MdlComp3
 Notes =

Node=NeuralNetwork ModelComparison 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	Y		TargetLabel	Sales	
ModelCriteria	Valid: Average Squared Error		RocEpsilon	0.01		TargetName	Sales	
ModelDescription	Neural Network 3HU		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
ModelId	Neural		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Y		SelectionCriteria	DEFAULT				

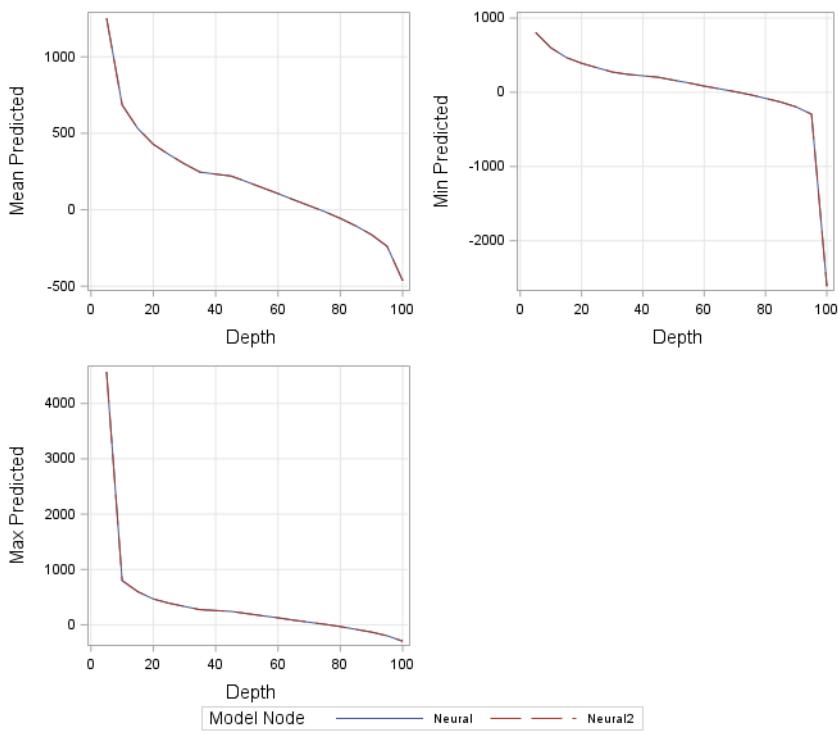
Node=NeuralNetwork ModelComparison Variable Summary

Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales

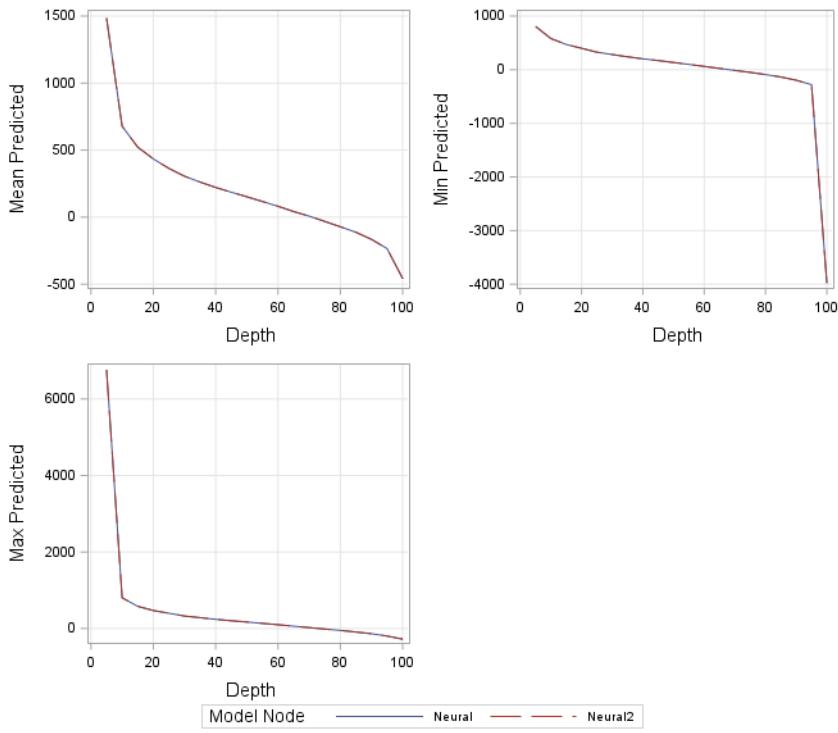
Node=NeuralNetwork ModelComparison Fit Statistics Table

Selected Model	Predecessor Node	Model Node	Model Description	Target	Target Label	Selection Criterion:	Train:	
							Valid:	Average Squared Error
Y	Neural	Neural	Neural Network 3HU	Sales	Sales	228144.37	391083.83	
	Neural2	Neural2	Neural Network 5HU	Sales	Sales	228144.37	391083.83	

SAS Enterprise Miner Report
 Node=NeuralNetwork ModelComparison
 Multiple Model Assessment Scores where DataRole=TEST
 TARGET='Sales'



SAS Enterprise Miner Report
 Node=NeuralNetwork ModelComparison
 Multiple Model Assessment Scores where DataRole=TRAIN
 TARGET='Sales'

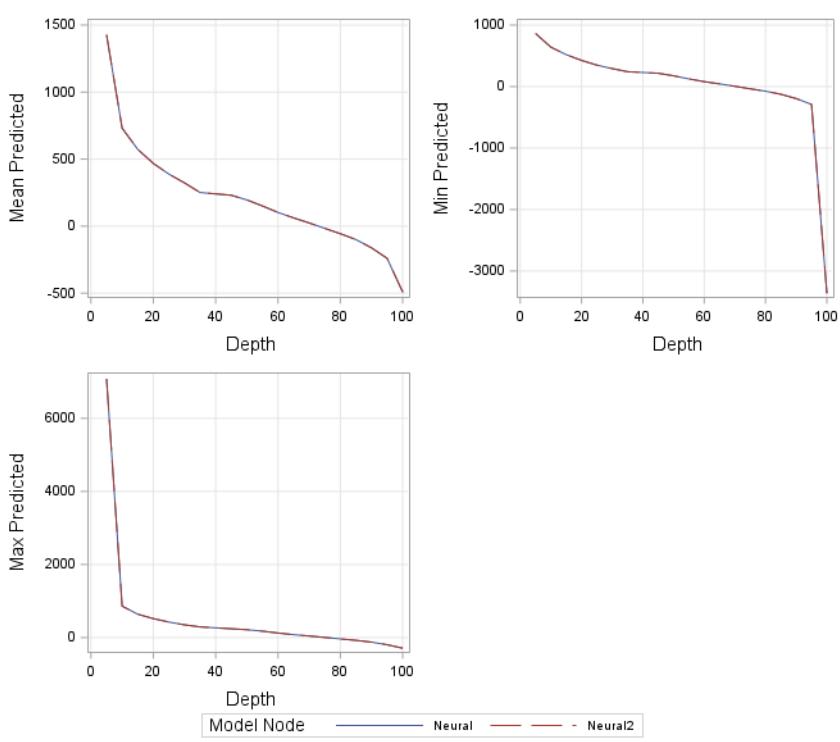


SAS Enterprise Miner Report

Node=NeuralNetwork ModelComparison

Multiple Model Assessment Scores where DataRole=VALIDATE

TARGET='Sales'



SAS Enterprise Miner Report

Node=RegTree ModelComparison Summary

Node id = MdlComp2
 Node label = RegTree ModelComparison
 Meta path = lds2 => Part => Tree5 => MdlComp2
 Notes =

Node=RegTree ModelComparison 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	Y		TargetLabel	Sales	
ModelCriteria	Valid: Average Squared Error		RocEpsilon	0.01		TargetName	Sales	
ModelDescription	Decision Tree B3D6		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
ModelId	Tree5		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Y		SelectionCriteria	DEFAULT				

Node=RegTree ModelComparison Variable Summary

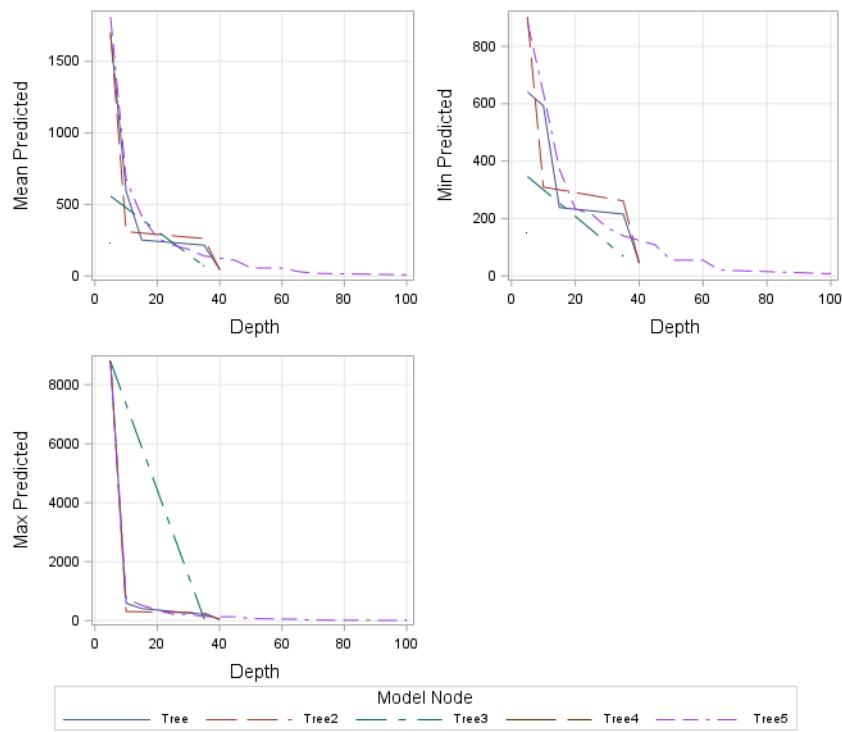
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales

Node=RegTree ModelComparison 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	
							133229.46	180144.03
Y	Tree5	Tree5	Decision Tree B3D6	Sales	Sales	138200.23	193563.97	
	Tree	Tree	Decision Tree B2D6	Sales	Sales	150014.06	201885.58	
	Tree2	Tree2	Decision Tree B2D5	Sales	Sales	159529.31	214269.75	
	Tree3	Tree3	Decision Tree B2D4	Sales	Sales	183054.17	237284.45	
	Tree4	Tree4	Decision Tree B2D3	Sales	Sales			

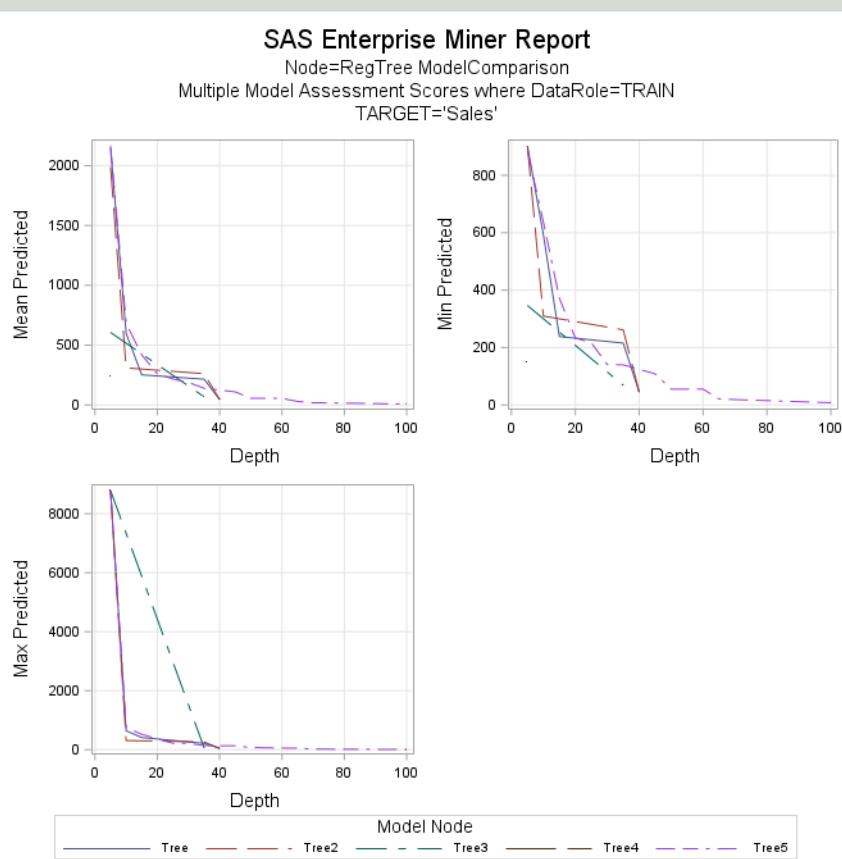
SAS Enterprise Miner Report

Node=RegTree ModelComparison
 Multiple Model Assessment Scores where DataRole=TEST
 TARGET='Sales'



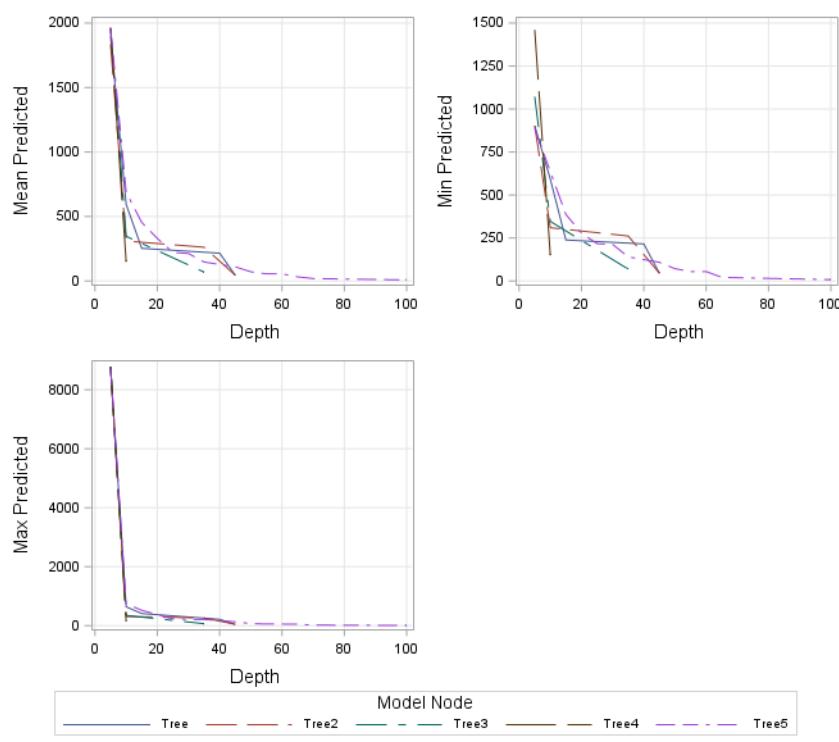
SAS Enterprise Miner Report

Node=RegTree ModelComparison
 Multiple Model Assessment Scores where DataRole=TRAIN
 TARGET='Sales'



SAS Enterprise Miner Report

Node=RegTree ModelComparison
Multiple Model Assessment Scores where DataRole=VALIDATE
TARGET='Sales'



SAS Enterprise Miner Report

Node=Regression ModelComparison Summary

Node id = MdlComp
 Node label = Regression ModelComparison
 Meta path = lds2 => Part => Reg2 => MdlComp
 Notes =

Node=Regression ModelComparison 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	Y		TargetLabel	Sales	
ModelCriteria	Valid: Average Squared Error		RocEpsilon	0.01		TargetName	Sales	
ModelDescription	Forward Regression		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
ModelId	Reg2		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Y		SelectionCriteria	DEFAULT				

Node=Regression ModelComparison Variable Summary

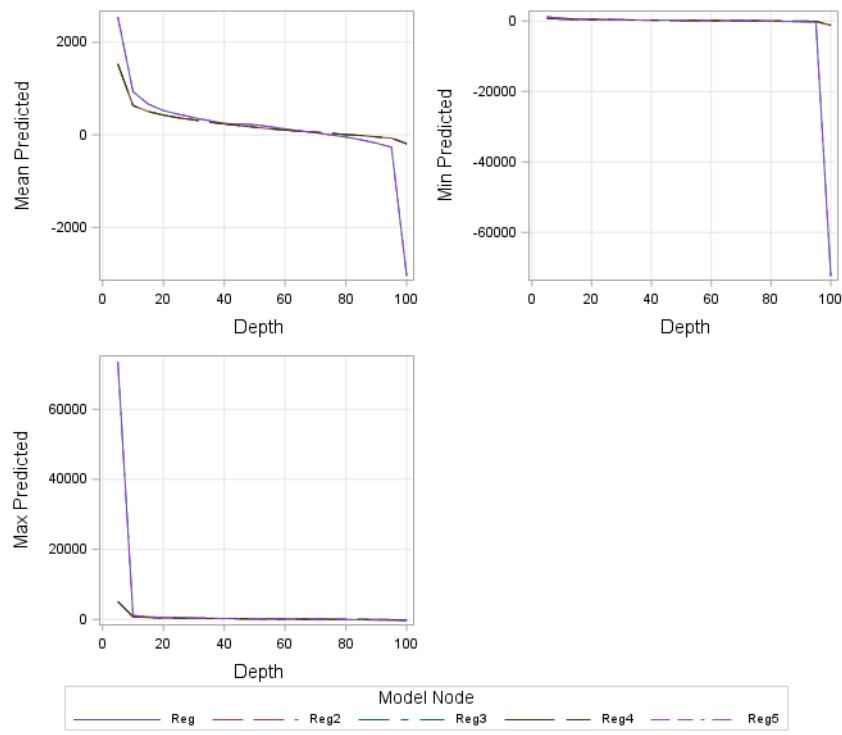
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales

Node=Regression ModelComparison 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
Y	Reg2	Reg2	Forward Regression	Sales	Sales	184392.92	360104.43
	Reg4	Reg4	Stepwise Regression	Sales	Sales	184392.92	360104.43
	Reg3	Reg3	Backward Regression	Sales	Sales	184392.92	360104.43
	Reg	Reg	Exhaustive Regression	Sales	Sales	6764006.60	250797.04
	Reg5	Reg5	Interactive Regression	Sales	Sales	6764006.60	250797.04

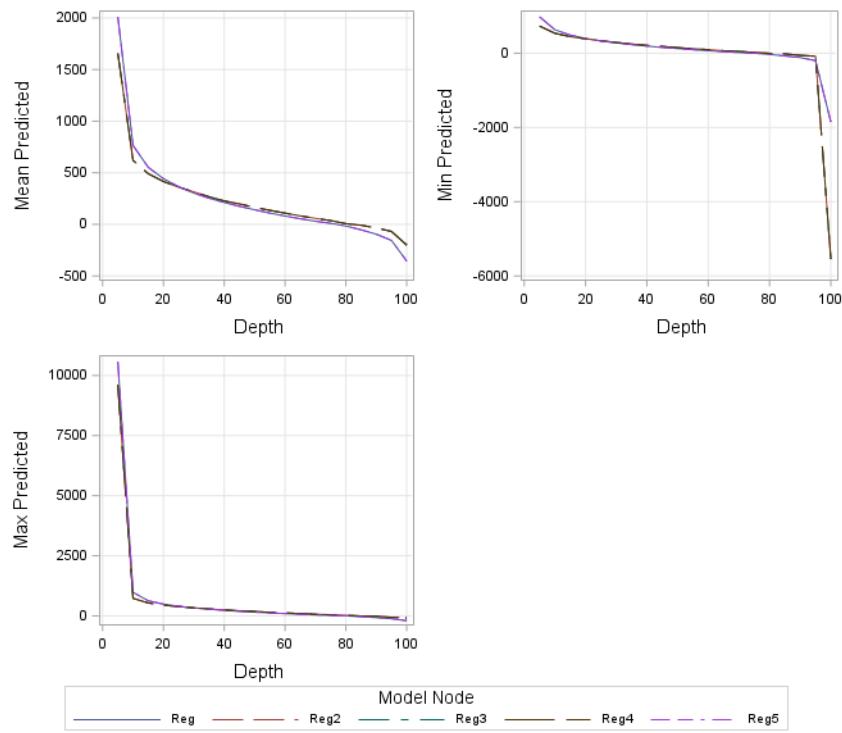
SAS Enterprise Miner Report

Node=Regression ModelComparison
 Multiple Model Assessment Scores where DataRole=TEST
 TARGET='Sales'



SAS Enterprise Miner Report

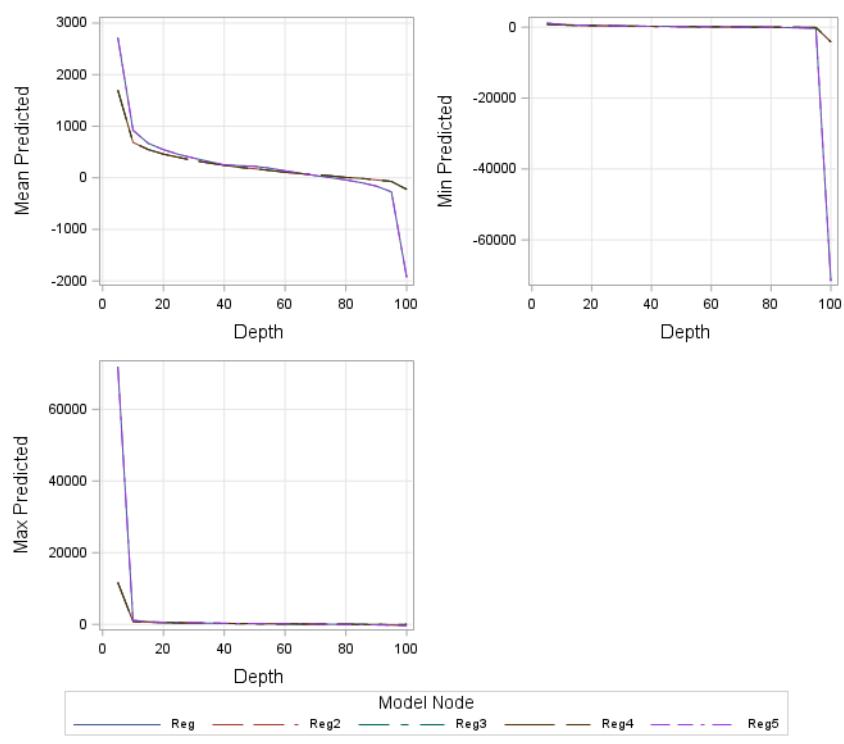
Node=Regression ModelComparison
 Multiple Model Assessment Scores where DataRole=TRAIN
 TARGET='Sales'



SAS Enterprise Miner Report

Node=Regression ModelComparison

Multiple Model Assessment Scores where DataRole=VALIDATE
TARGET='Sales'



SAS Enterprise Miner Report

Node=SuperStoreSales Score Summary

Node id = lds3
 Node label = SuperStoreSales Score
 Meta path = lds3
 Notes =

Node=SuperStoreSales Score Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource	DsCreatedBy	Avydu2		NBytes	787456	.	
ApplyIntervalLevelLowerLimit	Y	DsId	salescoredata		NCols	22	.	
ApplyMaxClassLevels	Y	DsModifiedBy	Avydu2		NObs	1999	.	
ApplyMaxPercentMissing	Y	DsModifyDate	1993554803.3		NewTable			
CMeta	WORK.M0JZ_UVJ	DsSampleName			NewVariableRole	REJECT		
ComputeStatistics	N	DsSampleSize			OutputType	VIEW		
DBPassThrough	Y	DsSampleSizeType			Role	RAW	TRAIN	
Data	DWDATA.EM_SAVE_TRAIN	DsScope	LOCAL		Sample	D		
DataSelection	DATASOURCE	IdentifyEmptyColumns	Y		SampleSizeObs	10000		
DataSource	salesscoredata	IntervalLowerLimit	20		SampleSizePercent	20		
DataSourceRole	RAW	Library	DWDATA		SampleSizeType	PERCENT		
Description		MaxClassLevels	20		Scope	LOCAL		
DropMapVariables	Y	MaxPercentMissing	50		Segment			
DsCreateDate	1993553463.4	MetaAdvisor	BASIC		Table	EM_SAVE_TRAIN		

Node=SuperStoreSales Score Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	EM_SAVE_TRAIN	Date Created	03Mar2023:16:23:52	Data Size	787456
Data Type	DATA	Date Modified	03Mar2023:16:23:52	Role	RAW
Data Label		Number Rows	1999	Segment	
Engine	BASE	Number Columns	22	Data Library	DWDATA

Node=SuperStoreSales Score Variables List

Name	Label	Role	Level	Type	Length	Format	Creator
Category	Category	INPUT	NOMINAL	C	15	\$15.	
City	City	INPUT	NOMINAL	C	17	\$17.	
Country	Country	INPUT	NOMINAL	C	13	\$13.	
Customer_ID		ID	NOMINAL	C	11		
Customer_Name		INPUT	NOMINAL	C	22		
Discount	Discount	INPUT	INTERVAL	N	8	BEST11.0	
Order_Date		INPUT	INTERVAL	N	8		
Order_ID		ID	NOMINAL	C	18		
Postal_Code		INPUT	NOMINAL	C	14		
Product_ID		ID	NOMINAL	C	15		
Product_Name		TEXT	NOMINAL	C	127		
Profit	Profit	INPUT	INTERVAL	N	8	BEST11.0	
Quantity	Quantity	INPUT	INTERVAL	N	8	BEST11.0	
Region	Region	INPUT	NOMINAL	C	11	\$11.	
Row_ID		ID	NOMINAL	N	8		
Sales	Sales	INPUT	INTERVAL	N	8	BEST11.0	
Segment	Segment	SEGMENT	NOMINAL	C	11	\$11.	
Ship_Date		INPUT	INTERVAL	N	8		
Ship_Mode		INPUT	NOMINAL	C	14		
State	State	INPUT	NOMINAL	C	20	\$20.	
Sub_Category		INPUT	NOMINAL	C	11		
dataobs	Observation Number	INPUT	INTERVAL	N	8		

SAS Enterprise Miner Report

Node=Final ModelComparison Summary

Node id = MdlComp4
 Node label = Final ModelComparison
 Meta path = lds2 => Part => Tree5 => MdlComp2 => MdlComp4
 Notes =

Node=Final ModelComparison 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	Y		TargetLabel	Sales	
ModelCriteria	Valid: Average Squared Error		RocEpsilon	0.01		TargetName	Sales	
ModelDescription	Decision Tree B3D6		RoiEpsilon	1E-6		classViyaCriteria	DEFAULT	
ModelId	Tree5		ScoreDistBin	20		intervalViyaCriteria	DEFAULT	
NormalizeReportingVariables	Y		SelectionCriteria	DEFAULT				

Node=Final ModelComparison Variable Summary

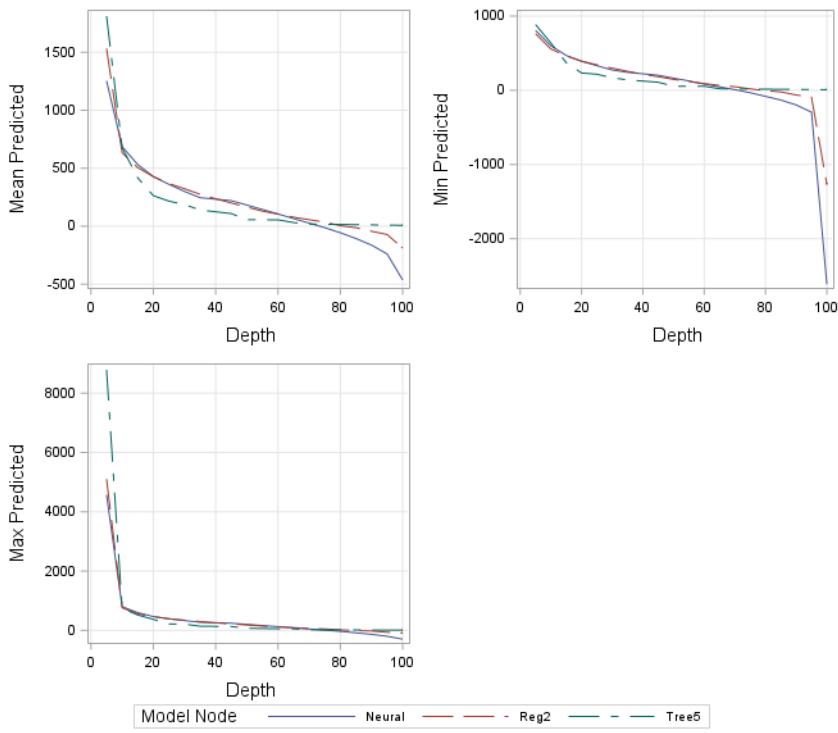
Role	Level	Frequency Count	Name
TARGET	INTERVAL	1	Sales

Node=Final ModelComparison 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	Average Squared Error
Y	MdlComp2	Tree5	Decision Tree B3D6	Sales	Sales	133229.46	180144.03	
	MdlComp	Reg2	Forward Regression	Sales	Sales	184392.92	360104.43	
	MdlComp3	Neural	Neural Network 3HU	Sales	Sales	228144.37	391083.83	

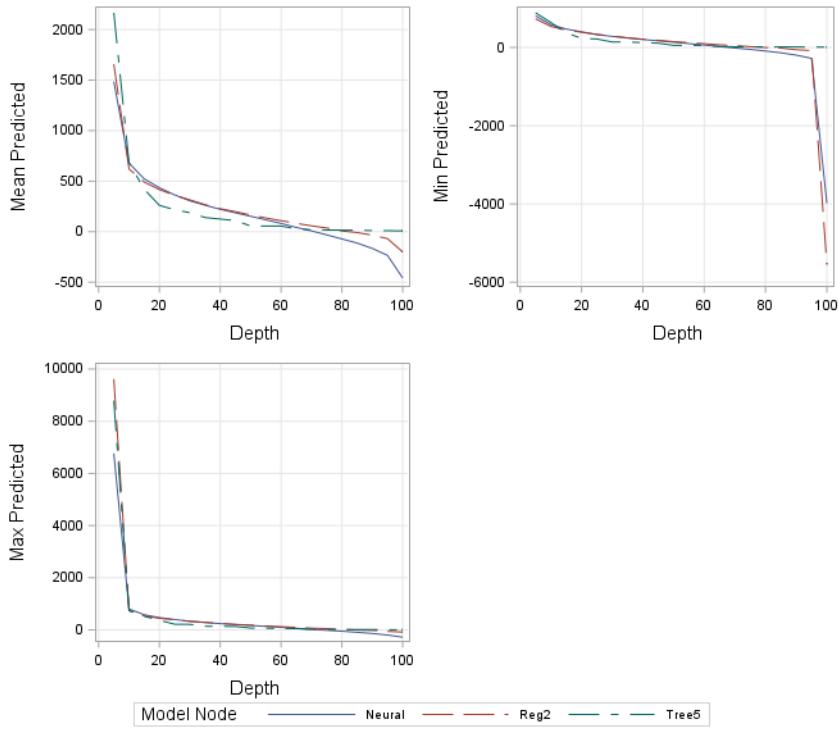
SAS Enterprise Miner Report

Node=Final ModelComparison
 Multiple Model Assessment Scores where DataRole=TEST
 TARGET='Sales'



SAS Enterprise Miner Report

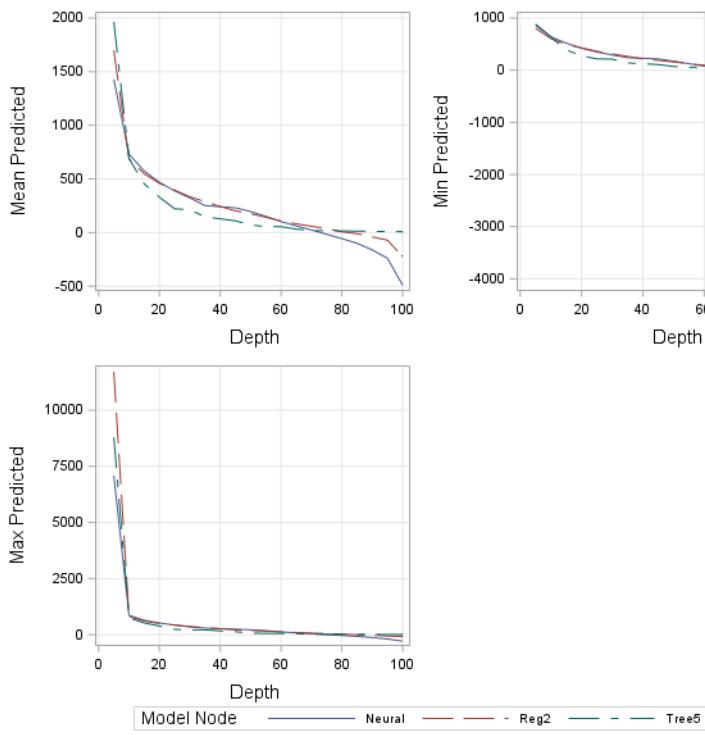
Node=Final ModelComparison
 Multiple Model Assessment Scores where DataRole=TRAIN
 TARGET='Sales'



SAS Enterprise Miner Report

Node=Final ModelComparison

Multiple Model Assessment Scores where DataRole=VALIDATE
TARGET='Sales'



SAS Enterprise Miner Report

Node=Score Summary

Node id = Score
 Node label = Score
 Meta path = lds2 => Part => Tree5 => MdlComp2 => MdlComp4 => 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	N	
HideFreq	Y		HideVariables	N		ScoreValidate	N	

Node=Score Variable Summary

Role	Level	Frequency	Name
		Count	
TARGET	INTERVAL	1	Sales
SEGMENT	NOMINAL	1	Segment

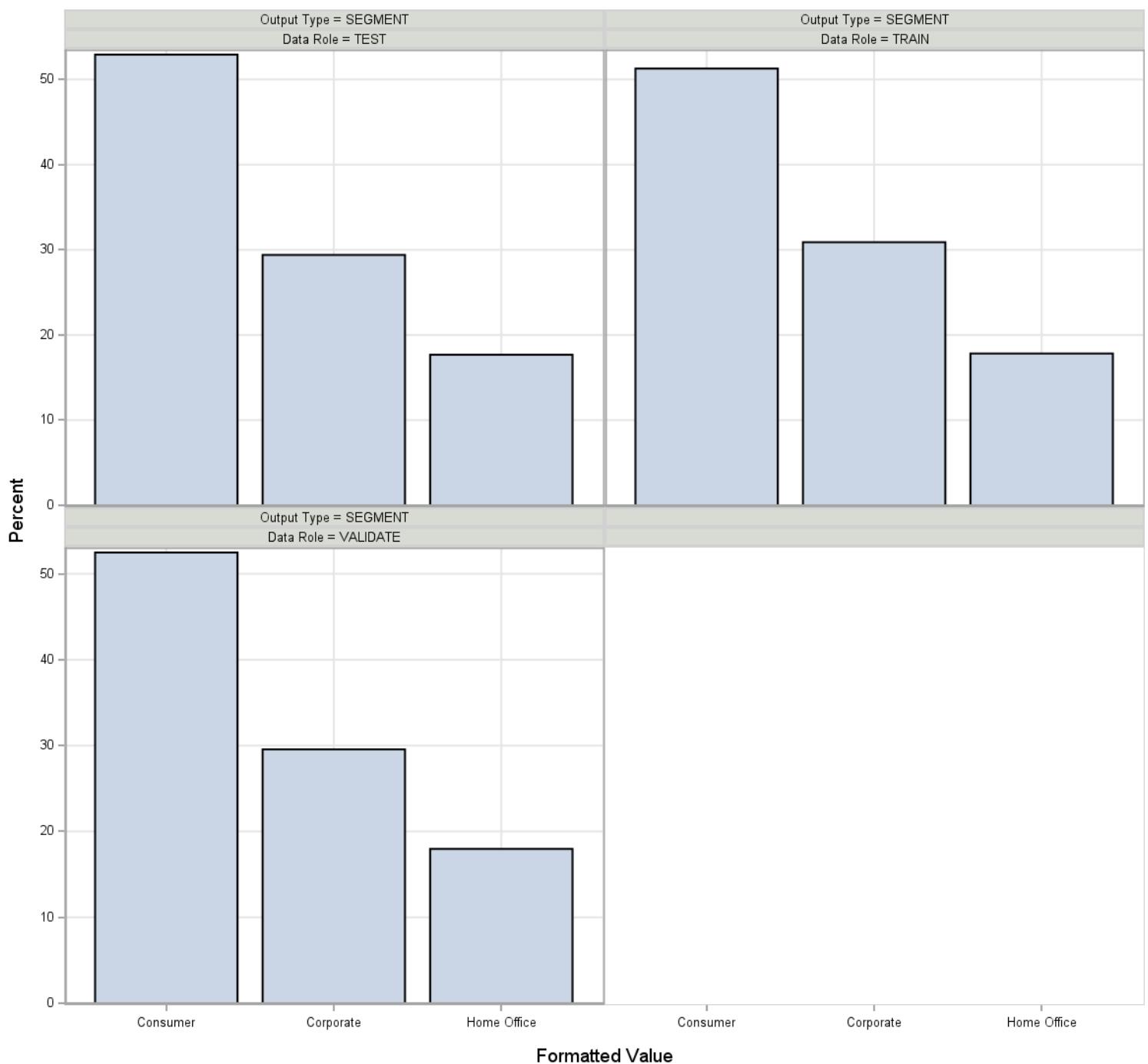
Node=Score Output Variables

Variable Name	Creator	Variable Label	Function	Type
EM_PREDICTION	Score	Prediction for Sales	PREDICT	N
EM_SEGMENT	Score	Segment	TRANSFORM	C
P_Sales	Tree5	Predicted: Sales	PREDICT	N
V_Sales	Tree5	Validated: Sales	PREDICT	N
NODE	Tree5	Node	TRANSFORM	N
WARN	Tree5	Warnings	ASSESS	C

SAS Enterprise Miner Report

Node=Score

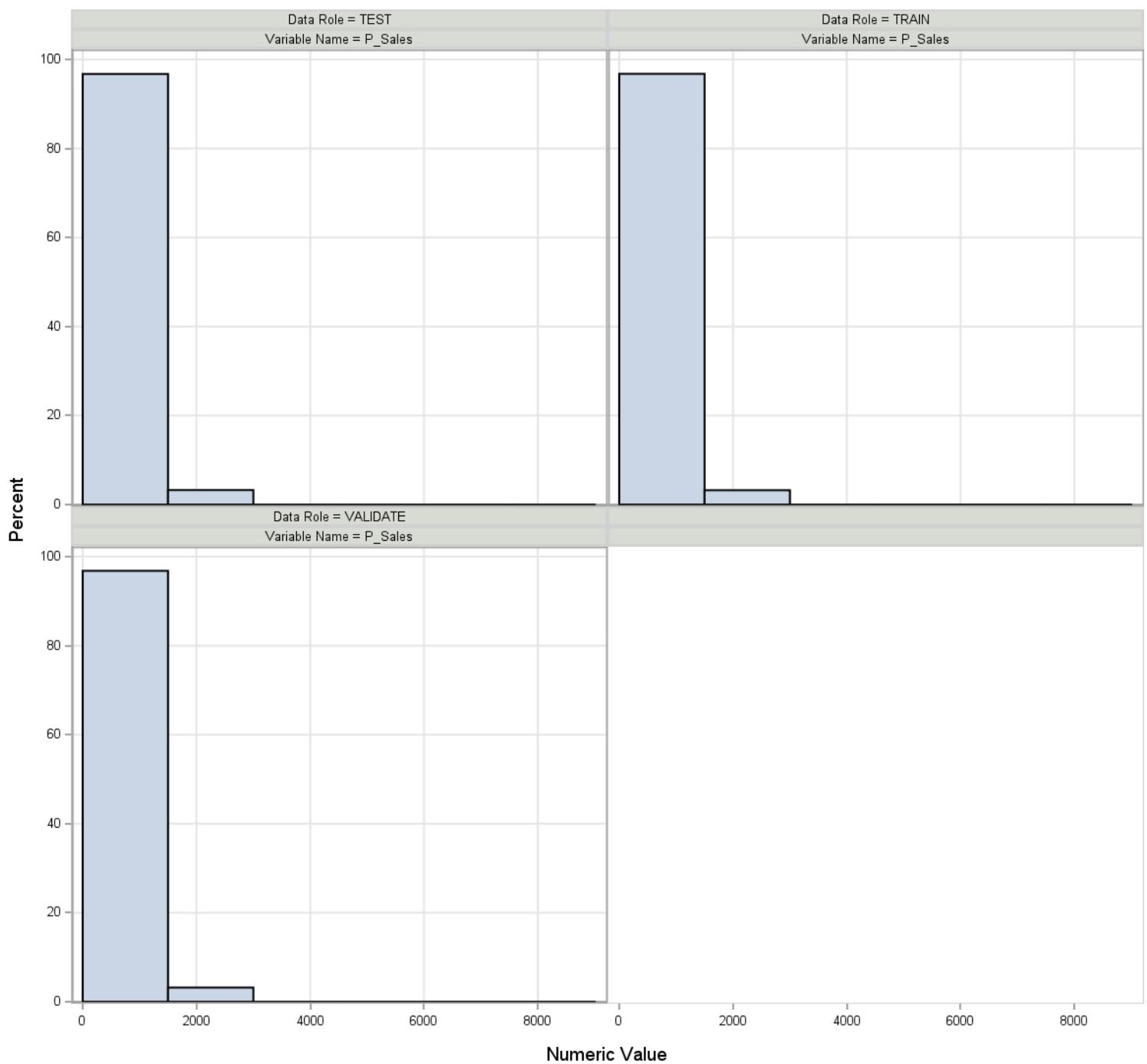
Bar Chart



SAS Enterprise Miner Report

Node=Score

Histogram



SAS Enterprise Miner Report

Node=SUPERSTORESALES Summary

Node id = lds
 Node label = SUPERSTORESALES
 Meta path = lds
 Notes =

Node=SUPERSTORESALES Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	Avydu2		NBytes	3802112	.
ApplyIntervalLevelLowerLimit	Y		DsId	superstoresalesstrain		NCols	21	.
ApplyMaxClassLevels	Y		DsModifiedBy	Avydu2		NObs	9994	.
ApplyMaxPercentMissing	Y		DsModifyDate	1993398115.8		NewTable		
CMeta	WORK.M2VIEDF5		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Y		DsSampleSizeType			Role	RAW	TRAIN
Data	DWDATA.SUPERSTORESALES_TRAIN		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Y		SampleSizeObs	10000	
DataSource	superstoresalesstrain		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	DWDATA		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Y		MaxPercentMissing	50		Segment		
DsCreateDate	1993398115.6		MetaAdvisor	BASIC		Table	SUPERSTORESALES_TRAIN	

Node=SUPERSTORESALES Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	SUPERSTORESALES_TRAIN	Date Created	02Mar2023:17:41:15	Data Size	3802112
Data Type	DATA	Date Modified	02Mar2023:17:41:15	Role	RAW
Data Label		Number Rows	9994	Segment	
Engine	BASE	Number Columns	21	Data Library	DWDATA

Node=SUPERSTORESALES Variables List

Name	Label	Role	Level	Type	Length	Format	Creator
Category	Category	INPUT	NOMINAL	C	15	\$15.	
City	City	INPUT	NOMINAL	C	17	\$17.	
Country	Country	INPUT	NOMINAL	C	13	\$13.	
Customer_ID		ID	NOMINAL	C	11		
Customer_Name		INPUT	NOMINAL	C	22		
Discount	Discount	INPUT	INTERVAL	N	8	BEST11.0	
Order_Date		INPUT	INTERVAL	N	8		
Order_ID		ID	NOMINAL	C	18		
Postal_Code		INPUT	NOMINAL	C	14		
Product_ID		ID	NOMINAL	C	15		
Product_Name		TEXT	NOMINAL	C	127		
Profit	Profit	REJECTED	INTERVAL	N	8	BEST11.0	
Quantity	Quantity	INPUT	INTERVAL	N	8	BEST11.0	
Region	Region	INPUT	NOMINAL	C	11	\$11.	
Row_ID		ID	NOMINAL	N	8		
Sales	Sales	INPUT	INTERVAL	N	8	BEST11.0	
Segment	Segment	SEGMENT	NOMINAL	C	11	\$11.	
Ship_Date		INPUT	INTERVAL	N	8		
Ship_Mode		INPUT	NOMINAL	C	14		
State	State	INPUT	NOMINAL	C	20	\$20.	
Sub_Category		INPUT	NOMINAL	C	11		

SAS Enterprise Miner Report

Node=Filter Summary

Node id = Filter
 Node label = Filter
 Meta path = Ids => Filter
 Notes =

Node=Filter Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Filter		KeepMissingInterval	Y		PercentsCutoff	0.5	
ClassFilterMethod	MINPCT		MADSCutoff	9		PublishScoreCode	Y	
CreateDistributionData	Y	N	MaxValues	25		SpacingsCutoff	9	
ExportTable	FILTERED		MinFreq	1		StddevCutoff	3	
IntervalFilterMethod	STDDEV		MinPercent	0.01		TabletoFilter	TRAIN	
KeepMissingClass	Y		NormalizeClassValue	Y		UpdateClassLevel	N	

Node=Filter Variable Summary

Role	Level	Frequency		Name
		Count		
SEGMENT	NOMINAL	1	Segment	
REJECTED	INTERVAL	1	Profit	
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date	
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category	

Node=Filter Excluded Class Values

Variable	Role	Level	Train Count	Train Percent	Label	Filter Method
Sub_Category	INPUT	COPPIERS	68	0.68041		MINPCT

Node=Filter Limits for Interval Variables

Variable	Role	Filter		Keep Missing Values		Label
		Minimum	Maximum	Method	Label	
Discount	INPUT	-0.46	0.78	STDDEV	Y	Discount
Order_Date	INPUT	19312.54	21835.47	STDDEV	Y	
Quantity	INPUT	-2.89	10.46	STDDEV	Y	Quantity
Sales	INPUT	-1639.88	2099.59	STDDEV	Y	Sales
Ship_Date	INPUT	19316.60	21839.33	STDDEV	Y	

SAS Enterprise Miner Report

Node=Variable Selection(2) Summary

Node id = Varsel
 Node label = Variable Selection(2)
 Meta path = Ids => Filter => Varsel
 Notes =

Node=Variable Selection(2) 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(2) Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

Node=Variable Selection(2) Variable Selection

Variable Name	Role	Measurement Level	Type	Label	Reasons for Rejection
Category	INPUT	NOMINAL	C	Category	
City	REJECTED	NOMINAL	C	City	Varsel:Exceed the maximum class level of 100
Country	INPUT	NOMINAL	C	Country	
Customer_Name	REJECTED	NOMINAL	C		Varsel:Exceed the maximum class level of 100
Discount	INPUT	INTERVAL	N	Discount	
Order_Date	INPUT	INTERVAL	N		
Postal_Code	REJECTED	NOMINAL	C		Varsel:Exceed the maximum class level of 100
Quantity	INPUT	INTERVAL	N	Quantity	
Region	INPUT	NOMINAL	C	Region	
Sales	INPUT	INTERVAL	N	Sales	
Ship_Date	INPUT	INTERVAL	N		
Ship_Mode	INPUT	NOMINAL	C		
State	INPUT	NOMINAL	C	State	
Sub_Category	INPUT	NOMINAL	C		

SAS Enterprise Miner Report

Node=Sample(80%) Summary

Node id = Smpl
 Node label = Sample(80%)
 Meta path = Ids => Filter => Smpl
 Notes =

Node=Sample(80%) Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Sample		IgnoreSmallStrata	N		OutputType	DATA	
AdjustFreq	N		IntervalDistribution	Y		Pvalue	0.01	
Alpha	0.01		LevelProportion	100		RandomSeed	12345	
ClassDistribution	Y		LevelSampleProportion	50		SizeObs	.	
ClusterMethod	RANDOM		LevelSelection	EVENT		SizePercent	80	10
FreqCount	N		Method	DEFAULT		SizeType	PERCENT	
FreqMiss	N		MinStrataSize	5		StratifyCriterion	PROPORTIONAL	

Node=Sample(80%) Variable Summary

Role	Level	Frequency Count	Name
TEXT	NOMINAL	1	Product_Name
SEGMENT	NOMINAL	1	Segment
REJECTED	INTERVAL	1	Profit
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

SAS Enterprise Miner Report

Node=Variable Selection (3) Summary

Node id = Varsel2
 Node label = Variable Selection (3)
 Meta path = Ids => Filter => Smpl => Varsel2
 Notes =

Node=Variable Selection (3) 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 (3) Variable Summary

Role	Level	Frequency Count	Name
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	9	Category City Country Customer_Name Postal_Code Region Ship_Mode State Sub_Category

Node=Variable Selection (3) Variable Selection

Variable Name	Role	Measurement Level	Type	Label	Reasons for Rejection
Category	INPUT	NOMINAL	C	Category	
City	REJECTED	NOMINAL	C	City	Varsel2:Exceed the maximum class level of 100
Country	INPUT	NOMINAL	C	Country	
Customer_Name	REJECTED	NOMINAL	C		Varsel2:Exceed the maximum class level of 100
Discount	INPUT	INTERVAL	N	Discount	
Order_Date	INPUT	INTERVAL	N		
Postal_Code	REJECTED	NOMINAL	C		Varsel2:Exceed the maximum class level of 100
Quantity	INPUT	INTERVAL	N	Quantity	
Region	INPUT	NOMINAL	C	Region	
Sales	INPUT	INTERVAL	N	Sales	
Ship_Date	INPUT	INTERVAL	N		
Ship_Mode	INPUT	NOMINAL	C		
State	INPUT	NOMINAL	C	State	
Sub_Category	INPUT	NOMINAL	C		

SAS Enterprise Miner Report

Node=Ward Clustering Summary

Node id = Clus
 Node label = Ward Clustering
 Meta path = Ids => Filter => Varsel => Clus
 Notes =

Node=Ward Clustering Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	WARD		ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	AUTOMATIC	
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	10		TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Ward Clustering Variable Summary

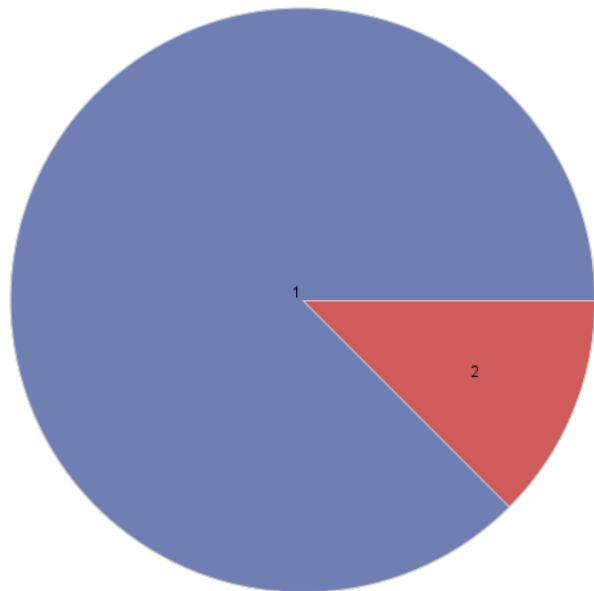
Role	Level	Frequency	Name
		Count	
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=Ward Clustering Mean Statistics

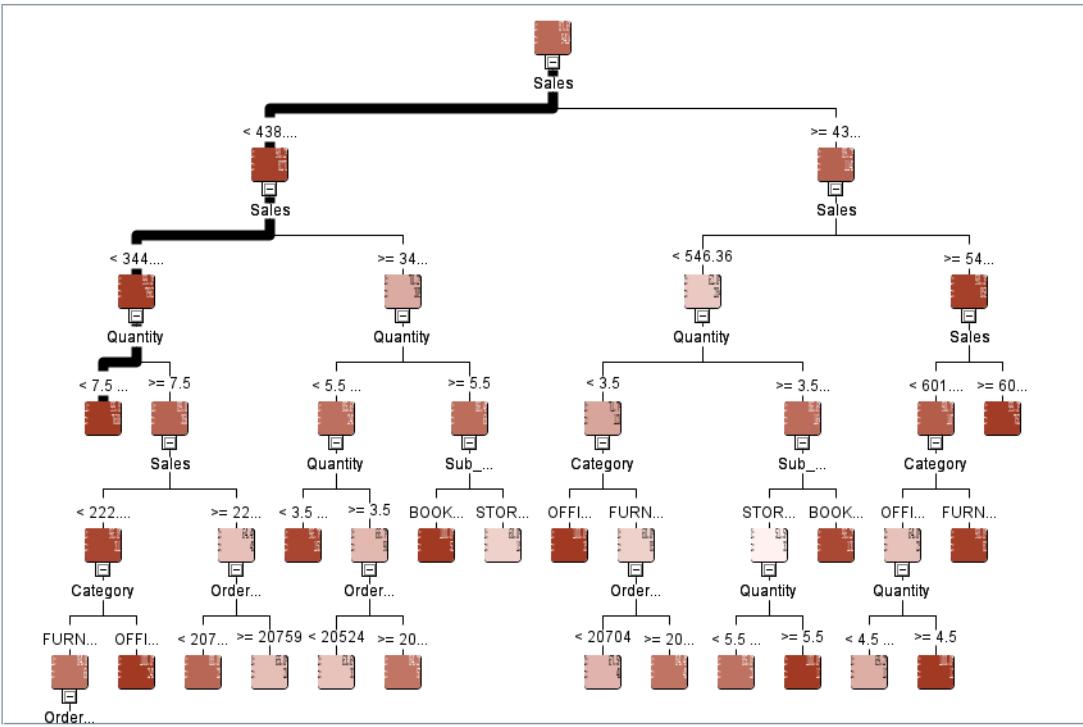
Variable	Segment		
	1	Segment 2	Segment 3
Clustering Criterion	0.34	0.34	0.34
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00
Improvement in Clustering Criterion	.	.	.
Frequency of Cluster	8244.00	1169.00	1.00
Root-Mean-Square Standard Deviation	0.33	0.37	.
Maximum Distance from Cluster Seed	7.28	7.89	0.00
Nearest Cluster	2.00	1.00	2.00
Distance to Nearest Cluster	2.75	2.75	14.25
Discount	0.13	0.15	0.20
Order_Date	20585.22	20507.25	20765.00
Quantity	3.43	5.32	4.00
Sales	87.64	813.83	1603.14
Ship_Date	20589.18	20511.20	20770.00
Category=Furniture	0.18	0.46	1.00
Category=Office Supplies	0.65	0.22	0.00
Category=Technology	0.16	0.31	0.00
Region=Central	0.21	0.22	0.00
Region=East	0.30	0.28	0.00
Region=South	0.17	0.16	-0.00
Region=West	0.33	0.35	1.00
Ship_Mode=First Class	0.16	0.15	0.00
Ship_Mode=Same Day	0.05	0.06	0.00
Ship_Mode=Second Class	0.20	0.20	0.00
Ship_Mode=Standard Class	0.60	0.59	1.00
State=Alabama	0.01	0.01	0.00
State=Arizona	0.02	0.02	-0.00

Variable	Segment		
	1	Segment 2	Segment 3
State=Arkansas	0.01	0.01	0.00
State=California	0.20	0.21	-0.00
State=Colorado	0.02	0.02	0.00
State=Connecticut	0.01	0.01	0.00
State=Delaware	0.01	0.01	-0.00
State=District of Columbia	0.00	0.00	-0.00
State=Florida	0.04	0.04	0.00
State=Georgia	0.02	0.01	0.00
State=Idaho	0.00	0.00	0.00
State=Illinois	0.04	0.04	0.00
State=Indiana	0.02	0.02	-0.00
State=Iowa	0.00	0.00	0.00
State=Kansas	0.00	-0.00	0.00
State=Kentucky	0.01	0.02	0.00
State=Louisiana	0.00	0.01	0.00
State=Maine	0.00	0.00	-0.00
State=Maryland	0.01	0.01	-0.00
State=Massachusetts	0.01	0.02	-0.00
State=Michigan	0.03	0.03	-0.00
State=Minnesota	0.01	0.01	0.00
State=Mississippi	0.01	0.01	0.00
State=Missouri	0.01	0.01	-0.00
State=Montana	0.00	0.00	-0.00
State=Nebraska	0.00	0.00	0.00
State=Nevada	0.00	0.01	0.00
State=New Hampshire	0.00	0.00	0.00
State=New Jersey	0.01	0.01	-0.00
State=New Mexico	0.00	0.00	-0.00
State=New York	0.12	0.11	0.00
State=North Carolina	0.03	0.03	0.00
State=North Dakota	0.00	0.00	-0.00
State=Ohio	0.05	0.04	0.00
State=Oklahoma	0.01	0.01	0.00
State=Oregon	0.01	0.01	-0.00
State=Pennsylvania	0.06	0.06	0.00
State=Rhode Island	0.01	0.01	0.00
State=South Carolina	0.00	0.01	0.00
State=South Dakota	0.00	-0.00	0.00
State=Tennessee	0.02	0.01	0.00
State=Texas	0.08	0.08	0.00
State=Utah	0.01	0.01	0.00
State=Vermont	0.00	0.00	-0.00
State=Virginia	0.02	0.02	-0.00
State=Washington	0.05	0.06	0.00
State=West Virginia	0.00	0.00	0.00
State=Wisconsin	0.01	0.02	0.00
State=Wyoming	0.00	0.00	1.00
Sub_Category=Accessories	0.08	0.09	-0.00
Sub_Category=Appliances	0.04	0.04	0.00
Sub_Category=Art	0.10	0.00	0.00
Sub_Category=Binders	0.15	0.05	-0.00
Sub_Category=Bookcases	0.02	0.06	-0.00
Sub_Category=Chairs	0.04	0.22	1.00
Sub_Category=Envelopes	0.03	0.00	0.00
Sub_Category=Fasteners	0.03	-0.00	0.00
Sub_Category=Furnishings	0.11	0.05	0.00
Sub_Category=Labels	0.04	0.00	0.00
Sub_Category=Machines	0.01	0.03	-0.00
Sub_Category=Paper	0.16	0.01	0.00
Sub_Category=Phones	0.08	0.19	-0.00
Sub_Category=Storage	0.09	0.11	0.00
Sub_Category=Supplies	0.02	0.01	0.00
Sub_Category=Tables	0.02	0.13	0.00

SAS Enterprise Miner Report
Node=Ward Clustering
Segment Size



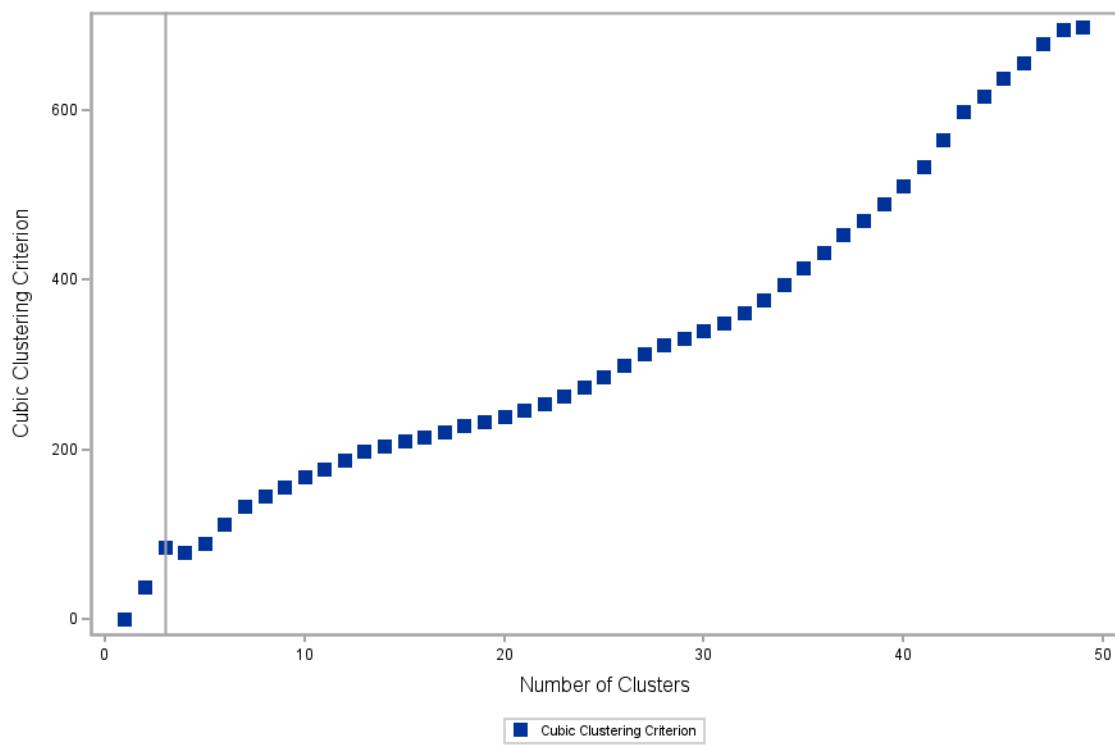
SAS Enterprise Miner Report
Node=Ward Clustering
Tree Diagram



SAS Enterprise Miner Report

Node=Ward Clustering

CCC Plot



SAS Enterprise Miner Report

Node=Average Clustering k=5 Summary

Node id = Clus9
 Node label = Average Clustering k=5
 Meta path = Ids => Filter => Smpl => Varsel2 => Clus9
 Notes =

Node=Average Clustering k=5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	AVERAGE	WARD	ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	USER	AUTOMATIC
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	5	10	TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Average Clustering k=5 Variable Summary

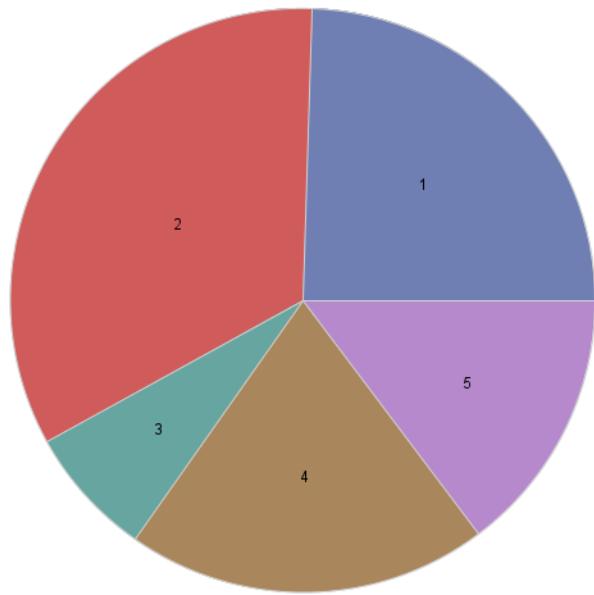
Role	Level	Frequency	Name
		Count	
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=Average Clustering k=5 Mean Statistics

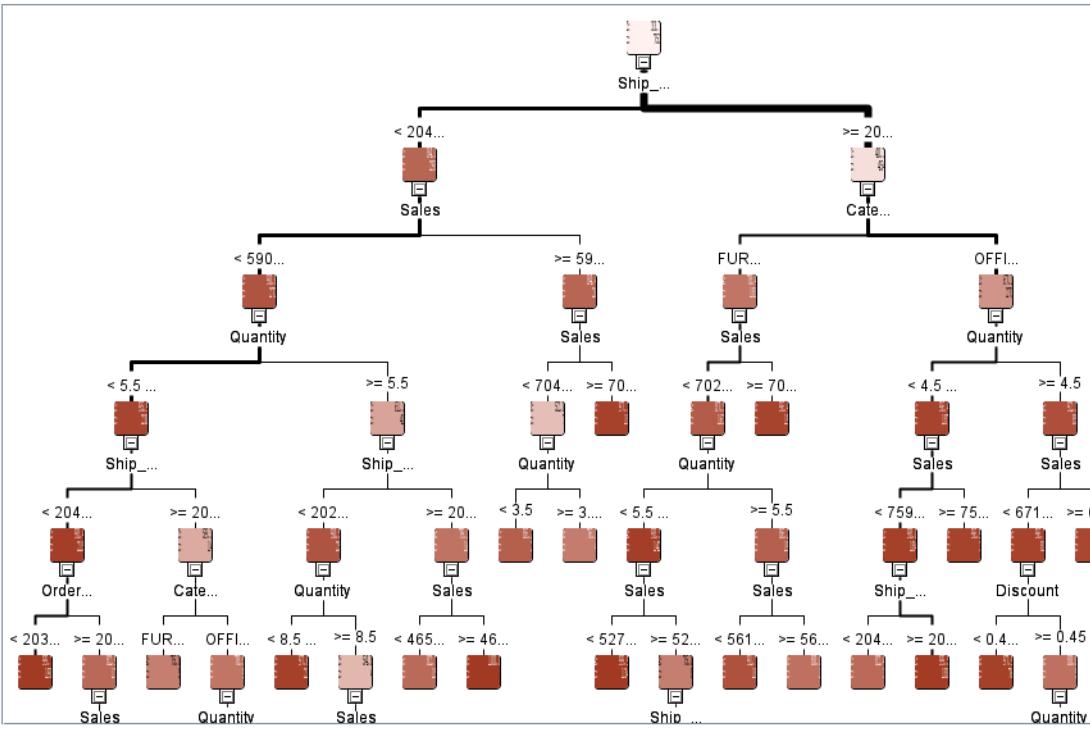
Variable	Segment 1	Segment	Segment 3	Segment 4	Segment
		2			5
Clustering Criterion	0.30	0.30	0.30	0.30	0.30
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00	0.00	0.00
Improvement in Clustering Criterion
Frequency of Cluster	1840.00	2540.00	536.00	1497.00	1118.00
Root-Mean-Square Standard Deviation	0.27	0.30	0.36	0.30	0.30
Maximum Distance from Cluster Seed	6.73	6.69	6.95	7.19	6.64
Nearest Cluster	4.00	1.00	4.00	1.00	1.00
Distance to Nearest Cluster	1.71	2.70	3.42	1.71	2.09
Discount	0.13	0.13	0.14	0.16	0.12
Order_Date	20878.78	20104.08	20532.93	20856.77	20793.23
Quantity	2.55	3.26	5.38	2.84	6.63
Sales	60.75	107.72	1046.11	176.71	113.24
Ship_Date	20882.66	20108.10	20536.85	20860.64	20797.27
Category=Furniture	-0.00	0.19	0.48	0.53	0.09
Category=Office Supplies	1.00	0.64	0.23	0.00	0.82
Category=Technology	0.00	0.16	0.30	0.47	0.10
Region=Central	0.20	0.20	0.23	0.24	0.21
Region=East	0.30	0.29	0.27	0.28	0.29
Region=South	0.17	0.18	0.17	0.16	0.15
Region=West	0.32	0.34	0.33	0.32	0.35
Ship_Mode=First Class	0.17	0.14	0.14	0.17	0.14
Ship_Mode=Same Day	0.06	0.05	0.06	0.06	0.05
Ship_Mode=Second Class	0.19	0.19	0.21	0.20	0.21
Ship_Mode=Standard Class	0.58	0.62	0.58	0.57	0.60
State=Alabama	0.01	0.01	0.01	0.00	0.01

Variable					
	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
State=Arizona	0.02	0.03	0.02	0.02	0.03
State=Arkansas	0.01	0.01	0.01	0.01	0.01
State=California	0.21	0.21	0.21	0.19	0.21
State=Colorado	0.02	0.02	0.02	0.02	0.02
State=Connecticut	0.01	0.01	0.01	0.01	0.01
State=Delaware	0.01	0.01	0.01	0.01	0.01
State=District of Columbia	0.00	0.00	0.00	0.00	0.00
State=Florida	0.04	0.05	0.04	0.04	0.03
State=Georgia	0.02	0.02	0.02	0.02	0.02
State=Idaho	0.00	0.00	-0.00	0.00	0.00
State=Illinois	0.04	0.04	0.04	0.06	0.04
State=Indiana	0.02	0.01	0.02	0.02	0.02
State=Iowa	0.01	0.00	0.00	0.00	0.01
State=Kansas	0.00	0.00	-0.00	0.00	0.00
State=Kentucky	0.01	0.02	0.01	0.01	0.01
State=Louisiana	0.00	0.01	0.00	0.01	0.00
State=Maine	0.00	0.00	0.00	0.00	0.00
State=Maryland	0.01	0.01	0.01	0.01	0.01
State=Massachusetts	0.01	0.02	0.01	0.01	0.01
State=Michigan	0.02	0.03	0.03	0.03	0.03
State=Minnesota	0.01	0.01	0.01	0.01	0.01
State=Mississippi	0.01	0.01	0.00	0.00	0.01
State=Missouri	0.01	0.01	0.01	0.01	0.01
State=Montana	0.00	0.00	0.00	-0.00	0.00
State=Nebraska	0.00	0.00	0.00	0.00	0.01
State=Nevada	0.00	0.01	0.01	0.00	0.00
State=New Hampshire	0.00	0.00	0.00	0.00	0.00
State=New Jersey	0.02	0.01	0.01	0.02	0.01
State=New Mexico	0.00	0.00	0.00	0.00	0.01
State=New York	0.12	0.11	0.13	0.11	0.12
State=North Carolina	0.03	0.02	0.03	0.03	0.02
State=North Dakota	0.00	0.00	0.00	0.00	0.00
State=Ohio	0.05	0.05	0.03	0.05	0.05
State=Oklahoma	0.01	0.00	0.02	0.01	0.00
State=Oregon	0.01	0.01	0.00	0.01	0.02
State=Pennsylvania	0.06	0.06	0.05	0.06	0.05
State=Rhode Island	0.01	0.00	0.01	0.00	0.01
State=South Carolina	0.00	0.01	0.00	0.00	0.01
State=South Dakota	0.00	0.00	-0.00	0.00	0.00
State=Tennessee	0.02	0.01	0.02	0.02	0.02
State=Texas	0.08	0.08	0.09	0.10	0.07
State=Utah	0.01	0.01	0.01	0.00	0.01
State=Vermont	0.00	0.00	0.00	0.00	0.00
State=Virginia	0.02	0.03	0.02	0.01	0.02
State=Washington	0.05	0.04	0.06	0.06	0.05
State=West Virginia	0.00	0.00	-0.00	0.00	0.00
State=Wisconsin	0.01	0.01	0.02	0.01	0.01
Sub_Category=Accessories	-0.00	0.08	0.08	0.22	0.05
Sub_Category=Appliances	0.07	0.04	0.05	-0.00	0.04
Sub_Category=Art	0.13	0.09	0.00	0.00	0.14
Sub_Category=Binders	0.22	0.14	0.05	0.00	0.17
Sub_Category=Bookcases	0.00	0.02	0.07	0.06	0.01
Sub_Category=Chairs	0.00	0.05	0.22	0.14	0.01
Sub_Category=Envelopes	0.04	0.03	-0.00	0.00	0.04
Sub_Category=Fasteners	0.03	0.03	0.00	0.00	0.04
Sub_Category=Furnishings	-0.00	0.10	0.03	0.27	0.07
Sub_Category=Labels	0.07	0.04	0.00	-0.00	0.05
Sub_Category=Machines	0.00	0.01	0.03	0.02	0.00
Sub_Category=Paper	0.25	0.16	0.00	-0.00	0.21
Sub_Category=Phones	-0.00	0.08	0.19	0.23	0.04
Sub_Category=Storage	0.14	0.09	0.12	0.00	0.09
Sub_Category=Supplies	0.04	0.02	0.01	-0.00	0.03
Sub_Category=Tables	-0.00	0.02	0.16	0.06	0.00

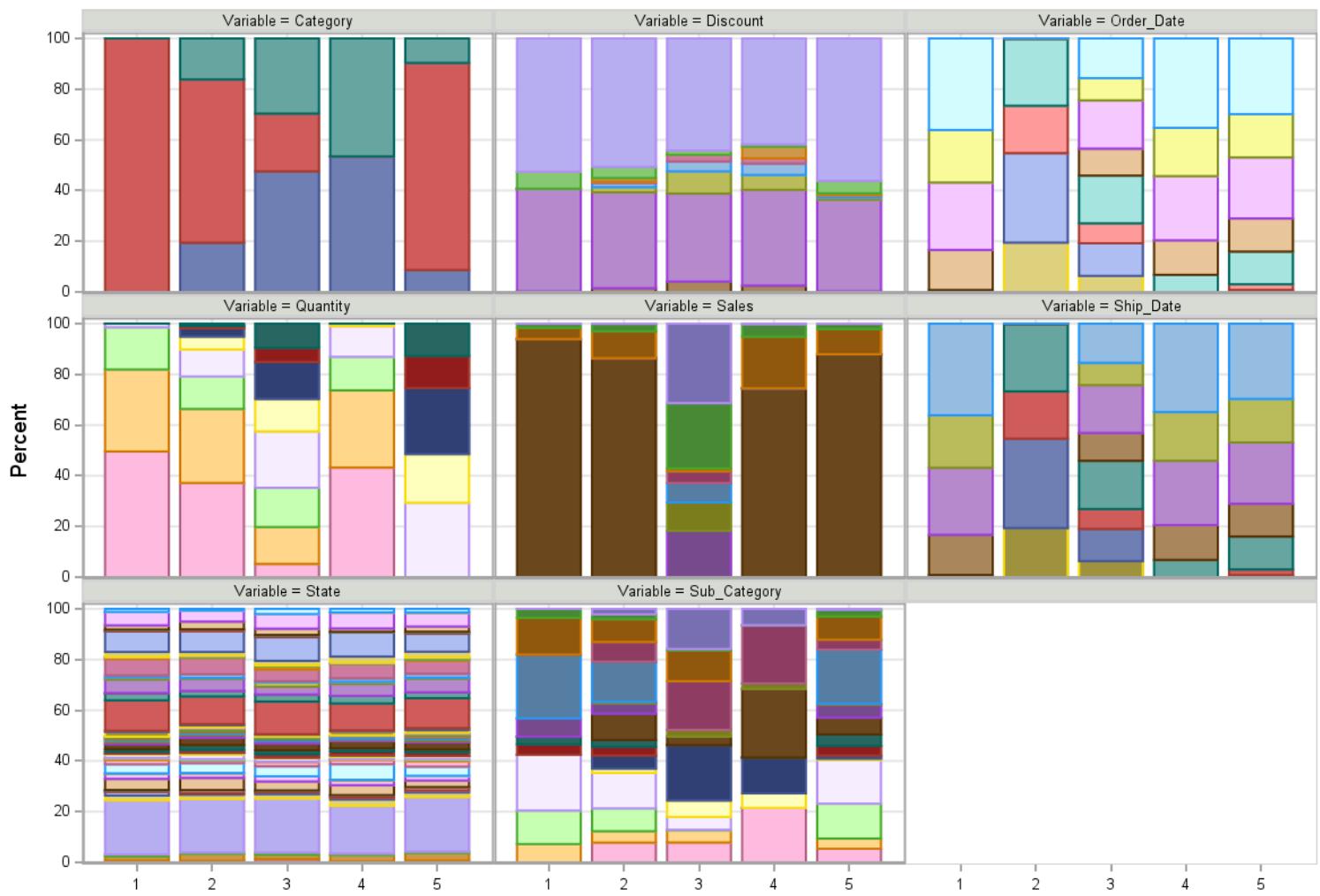
SAS Enterprise Miner Report
Node=Average Clustering k=5
Segment Size



SAS Enterprise Miner Report
Node=Average Clustering k=5
Tree Diagram



SAS Enterprise Miner Report
Node=Average Clustering k=5
Segment Plot



Segment Variable

Formatted Value	
Furniture	Office Supplies
0.525:0.6125	0.6125:0.7
20637:20819	20819:21001
6.625:7.75	7.75:8.875
260.79:520.59	520.59:780.39
20642:20825	20825:21007
Connecticut	Delaware
Iowa	Kansas
Minnesota	Mississippi
New Mexico	New York
Rhode Island	South Carolina
Washington	West Virginia
Chairs	Envelopes
Storage	Supplies
Technology	Fasteners
0:0.0875	Tables
8.875:10	
0.0875:0.175	
19727:19909	
21001:21183	
1:2.125	
0.99:260.79	
780.39:1040.2	
21007:21189	
District of Columbia	
Kentucky	
North Carolina	
South Dakota	
Wisconsin	
Accessories	
Furnishings	
0.175:0.2625	
19909:20091	
2.125:3.25	
1040.2:1300	
19913:20096	
Alabama	
Florida	
Louisiana	
Tennessee	
Montana	
North Dakota	
Ohio	
Appliances	
Labels	
0.2625:0.35	
20091:20273	
3.25:4.375	
1300:1559.8	
20096:20278	
Arizona	
Arkansas	
Georgia	
Maine	
Nebraska	
Ohio	
Texas	
Utah	
Art	
Machines	
0.35:0.4375	
20273:20455	
4.375:5.5	
1559.8:1819.6	
20278:20460	
California	
Illinois	
Massachusetts	
New Hampshire	
Oregon	
Vermont	
Pennsylvania	
Virginia	
Bookcases	
Phones	

SAS Enterprise Miner Report

Node=Centroid Clustering k=5 Summary

Node id = Clus8
 Node label = Centroid Clustering k=5
 Meta path = Ids => Filter => Smpl => Varsel2 => Clus8
 Notes =

Node=Centroid Clustering k=5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	CENTROID	WARD	ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	USER	AUTOMATIC
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	5	10	TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Centroid Clustering k=5 Variable Summary

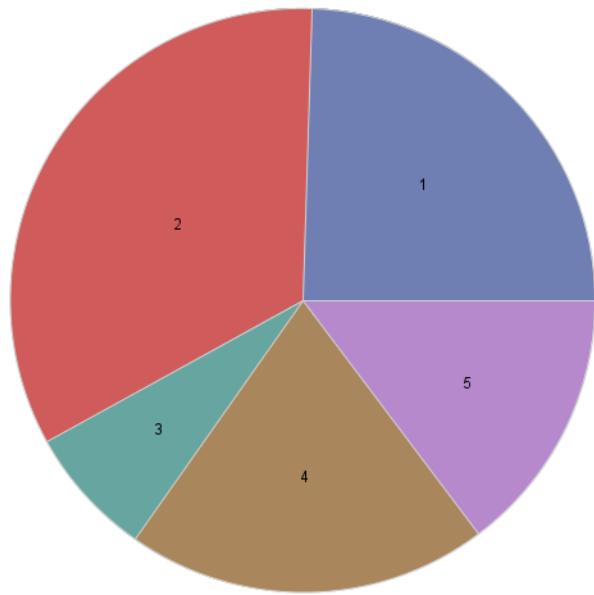
Role	Level	Frequency	Name
		Count	
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=Centroid Clustering k=5 Mean Statistics

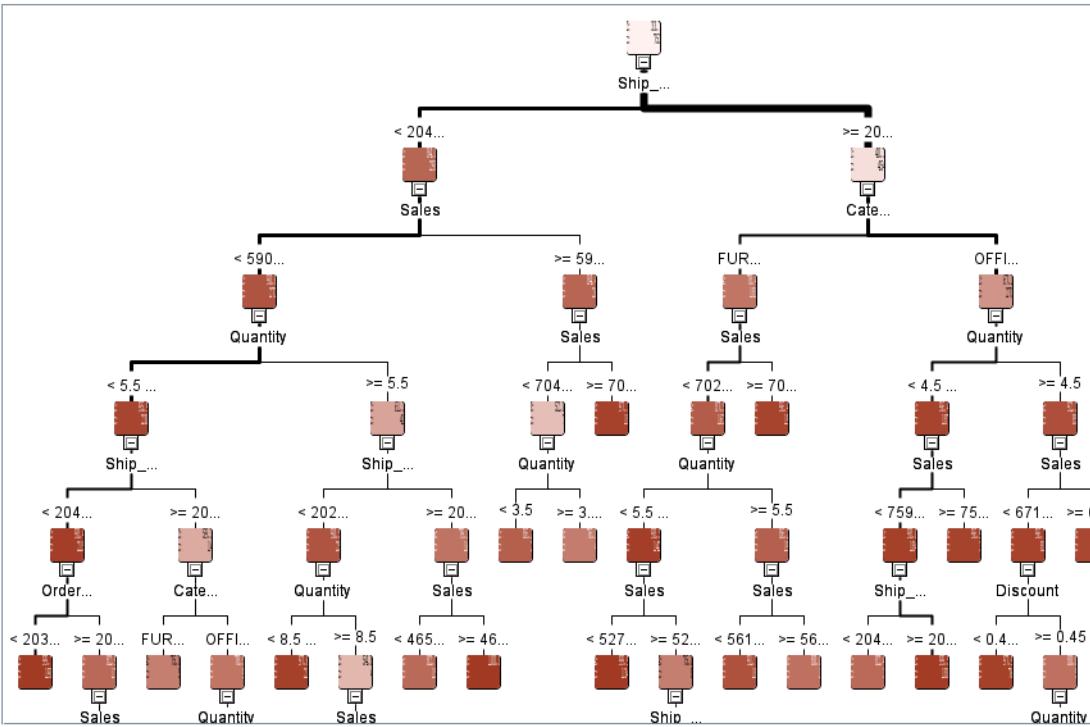
Variable	Segment 1	Segment	Segment 3	Segment 4	Segment
		2			5
Clustering Criterion	0.30	0.30	0.30	0.30	0.30
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00	0.00	0.00
Improvement in Clustering Criterion
Frequency of Cluster	1840.00	2540.00	536.00	1497.00	1118.00
Root-Mean-Square Standard Deviation	0.27	0.30	0.36	0.30	0.30
Maximum Distance from Cluster Seed	6.73	6.69	6.95	7.19	6.64
Nearest Cluster	4.00	1.00	4.00	1.00	1.00
Distance to Nearest Cluster	1.71	2.70	3.42	1.71	2.09
Discount	0.13	0.13	0.14	0.16	0.12
Order_Date	20878.78	20104.08	20532.93	20856.77	20793.23
Quantity	2.55	3.26	5.38	2.84	6.63
Sales	60.75	107.72	1046.11	176.71	113.24
Ship_Date	20882.66	20108.10	20536.85	20860.64	20797.27
Category=Furniture	-0.00	0.19	0.48	0.53	0.09
Category=Office Supplies	1.00	0.64	0.23	0.00	0.82
Category=Technology	0.00	0.16	0.30	0.47	0.10
Region=Central	0.20	0.20	0.23	0.24	0.21
Region=East	0.30	0.29	0.27	0.28	0.29
Region=South	0.17	0.18	0.17	0.16	0.15
Region=West	0.32	0.34	0.33	0.32	0.35
Ship_Mode=First Class	0.17	0.14	0.14	0.17	0.14
Ship_Mode=Same Day	0.06	0.05	0.06	0.06	0.05
Ship_Mode=Second Class	0.19	0.19	0.21	0.20	0.21
Ship_Mode=Standard Class	0.58	0.62	0.58	0.57	0.60
State=Alabama	0.01	0.01	0.01	0.00	0.01

Variable					
	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
State=Arizona	0.02	0.03	0.02	0.02	0.03
State=Arkansas	0.01	0.01	0.01	0.01	0.01
State=California	0.21	0.21	0.21	0.19	0.21
State=Colorado	0.02	0.02	0.02	0.02	0.02
State=Connecticut	0.01	0.01	0.01	0.01	0.01
State=Delaware	0.01	0.01	0.01	0.01	0.01
State=District of Columbia	0.00	0.00	0.00	0.00	0.00
State=Florida	0.04	0.05	0.04	0.04	0.03
State=Georgia	0.02	0.02	0.02	0.02	0.02
State=Idaho	0.00	0.00	-0.00	0.00	0.00
State=Illinois	0.04	0.04	0.04	0.06	0.04
State=Indiana	0.02	0.01	0.02	0.02	0.02
State=Iowa	0.01	0.00	0.00	0.00	0.01
State=Kansas	0.00	0.00	-0.00	0.00	0.00
State=Kentucky	0.01	0.02	0.01	0.01	0.01
State=Louisiana	0.00	0.01	0.00	0.01	0.00
State>Maine	0.00	0.00	0.00	0.00	0.00
State=Maryland	0.01	0.01	0.01	0.01	0.01
State=Massachusetts	0.01	0.02	0.01	0.01	0.01
State=Michigan	0.02	0.03	0.03	0.03	0.03
State=Minnesota	0.01	0.01	0.01	0.01	0.01
State=Mississippi	0.01	0.01	0.00	0.00	0.01
State=Missouri	0.01	0.01	0.01	0.01	0.01
State=Montana	0.00	0.00	0.00	-0.00	0.00
State=Nebraska	0.00	0.00	0.00	0.00	0.01
State=Nevada	0.00	0.01	0.01	0.00	0.00
State=New Hampshire	0.00	0.00	0.00	0.00	0.00
State=New Jersey	0.02	0.01	0.01	0.02	0.01
State=New Mexico	0.00	0.00	0.00	0.00	0.01
State=New York	0.12	0.11	0.13	0.11	0.12
State=North Carolina	0.03	0.02	0.03	0.03	0.02
State=North Dakota	0.00	0.00	0.00	0.00	0.00
State=Ohio	0.05	0.05	0.03	0.05	0.05
State=Oklahoma	0.01	0.00	0.02	0.01	0.00
State=Oregon	0.01	0.01	0.00	0.01	0.02
State=Pennsylvania	0.06	0.06	0.05	0.06	0.05
State=Rhode Island	0.01	0.00	0.01	0.00	0.01
State=South Carolina	0.00	0.01	0.00	0.00	0.01
State=South Dakota	0.00	0.00	-0.00	0.00	0.00
State=Tennessee	0.02	0.01	0.02	0.02	0.02
State=Texas	0.08	0.08	0.09	0.10	0.07
State=Utah	0.01	0.01	0.01	0.00	0.01
State=Vermont	0.00	0.00	0.00	0.00	0.00
State=Virginia	0.02	0.03	0.02	0.01	0.02
State=Washington	0.05	0.04	0.06	0.06	0.05
State=West Virginia	0.00	0.00	-0.00	0.00	0.00
State=Wisconsin	0.01	0.01	0.02	0.01	0.01
Sub_Category=Accessories	-0.00	0.08	0.08	0.22	0.05
Sub_Category=Appliances	0.07	0.04	0.05	-0.00	0.04
Sub_Category=Art	0.13	0.09	0.00	0.00	0.14
Sub_Category=Binders	0.22	0.14	0.05	0.00	0.17
Sub_Category=Bookcases	0.00	0.02	0.07	0.06	0.01
Sub_Category=Chairs	0.00	0.05	0.22	0.14	0.01
Sub_Category=Envelopes	0.04	0.03	-0.00	0.00	0.04
Sub_Category=Fasteners	0.03	0.03	0.00	0.00	0.04
Sub_Category=Furnishings	-0.00	0.10	0.03	0.27	0.07
Sub_Category=Labels	0.07	0.04	0.00	-0.00	0.05
Sub_Category=Machines	0.00	0.01	0.03	0.02	0.00
Sub_Category=Paper	0.25	0.16	0.00	-0.00	0.21
Sub_Category=Phones	-0.00	0.08	0.19	0.23	0.04
Sub_Category=Storage	0.14	0.09	0.12	0.00	0.09
Sub_Category=Supplies	0.04	0.02	0.01	-0.00	0.03
Sub_Category=Tables	-0.00	0.02	0.16	0.06	0.00

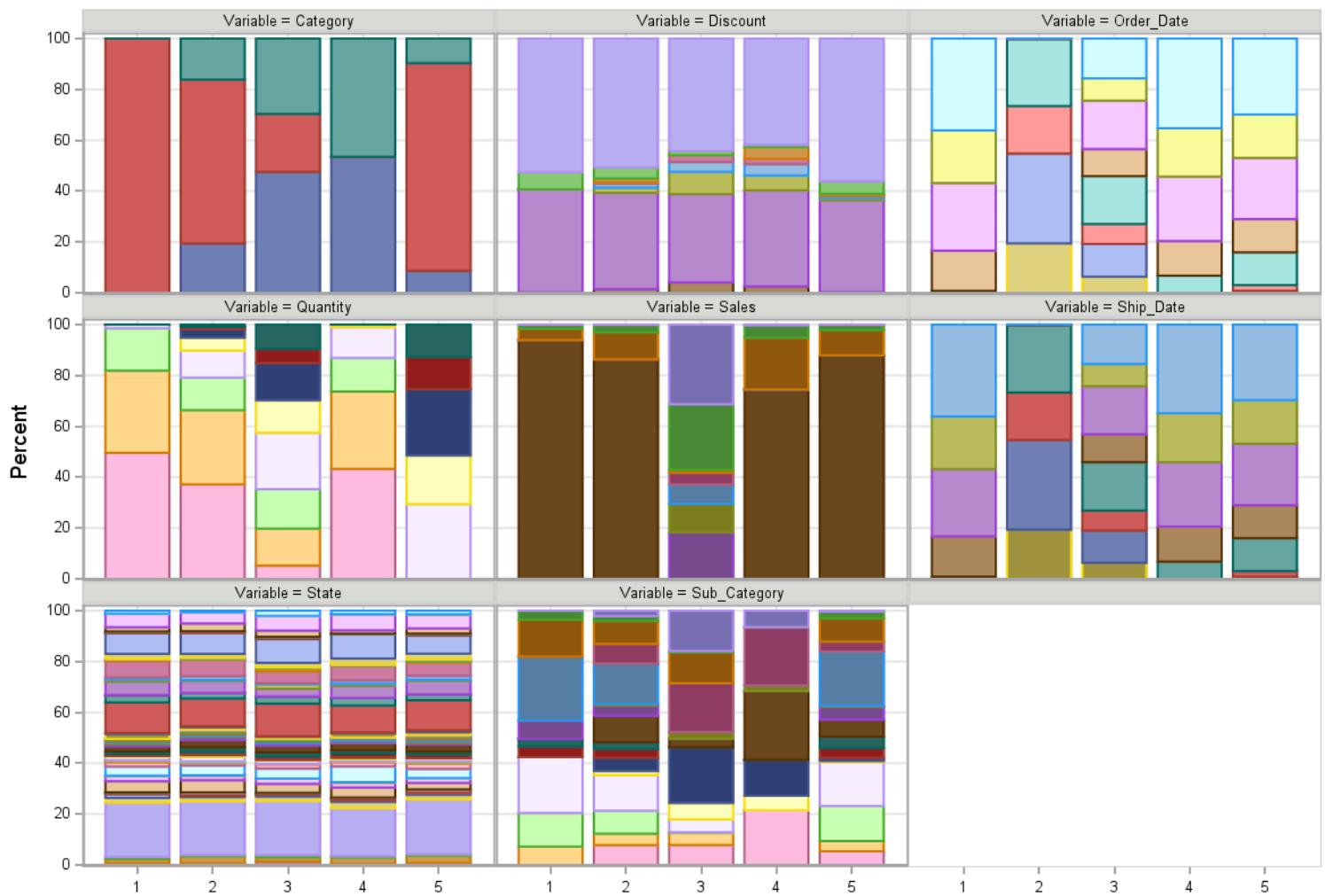
SAS Enterprise Miner Report
Node=Centroid Clustering k=5
Segment Size



SAS Enterprise Miner Report
Node=Centroid Clustering k=5
Tree Diagram



SAS Enterprise Miner Report
Node=Centroid Clustering k=5
Segment Plot



Segment Variable

Formatted Value	
Furniture	Office Supplies
0.525:0.6125	0.6125:0.7
20637:20819	20819:21001
6.625:7.75	7.75:8.875
260.79:520.59	520.59:780.39
20642:20825	20825:21007
Connecticut	Delaware
Iowa	Kansas
Minnesota	Mississippi
New Mexico	New York
Rhode Island	South Carolina
Washington	West Virginia
Chairs	Envelopes
Storage	Supplies
Technology	0:0.0875
0.875:10	1:2.125
780.39:1040.2	0.99:260.79
21007:21189	1040.2:1300
District of Columbia	19731:19913
Kentucky	Alabama
Missouri	Florida
North Carolina	Louisiana
South Dakota	Tennessee
Wisconsin	Accessories
Fasteners	Furnishings
Tables	Labels
0.0875:0.175	0.175:0.2625
19727:19909	19909:20091
1:2.125	2.125:3.25
0.99:260.79	3.25:4.375
1040.2:1300	1300:1559.8
19913:20096	20096:20278
Alabama	Arizona
Florida	Arkansas
Louisiana	Georgia
Tennessee	Maine
Accessories	Nebraska
Furnishings	Ohio
Labels	Texas
0.2625:0.35	Appliances
0.35:0.4375	Art
20273:20455	Machines
4.375:5.5	Binders
1559.8:1819.6	Paper
20278:20460	Phones
California	Michigan
Illinois	Massachusetts
Oregon	New Hampshire
Vermont	New Jersey
Indiana	Pennsylvania
Colorado	Virginia
Idaho	Bookcases
Utah	Binders
Nevada	Phones
Oklahoma	
Art	
Machines	

SAS Enterprise Miner Report

Node=Ward Clustering k=5 Summary

Node id = Clus7
 Node label = Ward Clustering k=5
 Meta path = Ids => Filter => Smpl => Varsel2 => Clus7
 Notes =

Node=Ward Clustering k=5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	WARD		ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	USER	AUTOMATIC
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	5	10	TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Ward Clustering k=5 Variable Summary

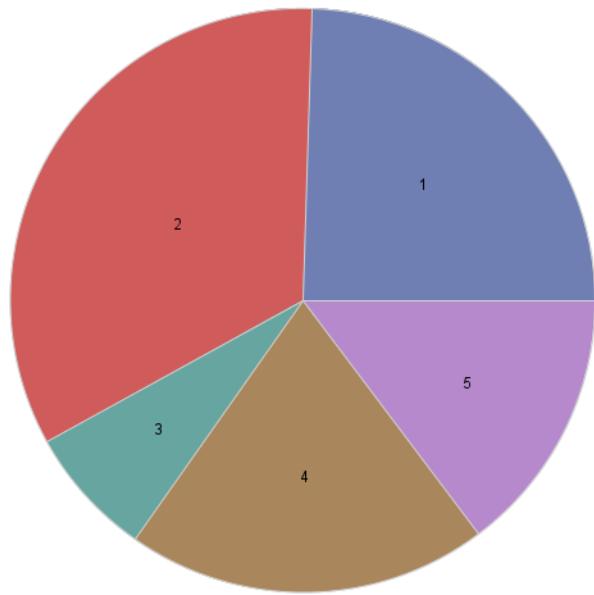
Role	Level	Frequency	Name
		Count	
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=Ward Clustering k=5 Mean Statistics

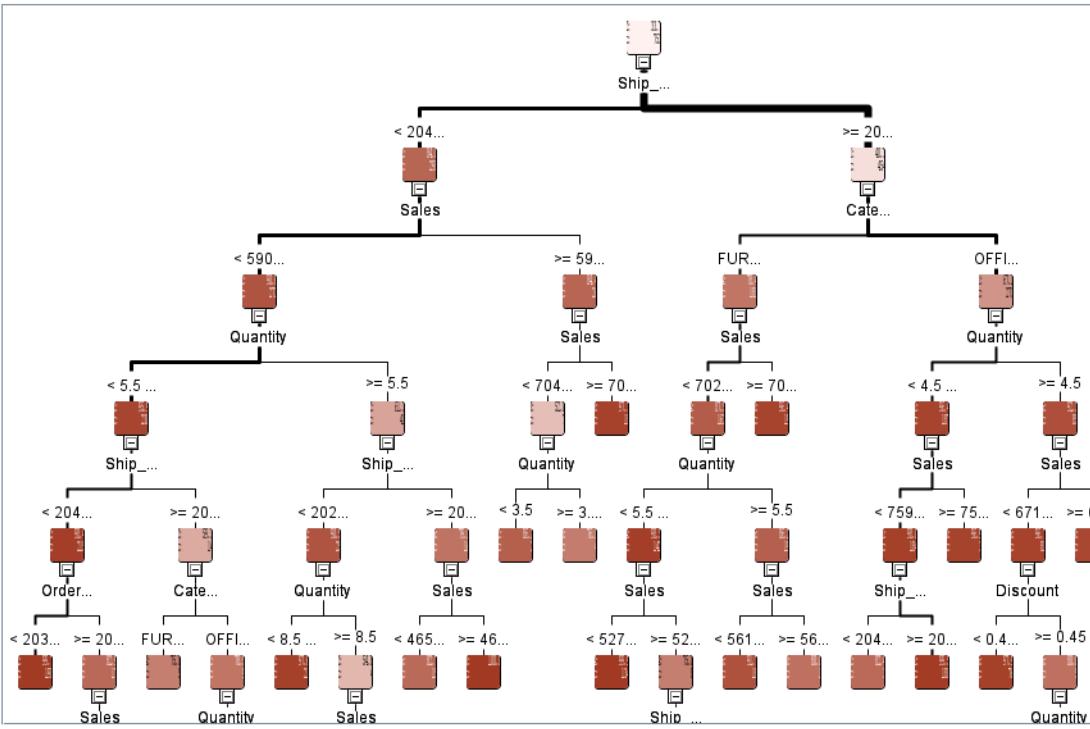
Variable	Segment 1	Segment			
		2	3	4	5
Clustering Criterion	0.30	0.30	0.30	0.30	0.30
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00	0.00	0.00
Improvement in Clustering Criterion
Frequency of Cluster	1840.00	2540.00	536.00	1497.00	1118.00
Root-Mean-Square Standard Deviation	0.27	0.30	0.36	0.30	0.30
Maximum Distance from Cluster Seed	6.73	6.69	6.95	7.19	6.64
Nearest Cluster	4.00	1.00	4.00	1.00	1.00
Distance to Nearest Cluster	1.71	2.70	3.42	1.71	2.09
Discount	0.13	0.13	0.14	0.16	0.12
Order_Date	20878.78	20104.08	20532.93	20856.77	20793.23
Quantity	2.55	3.26	5.38	2.84	6.63
Sales	60.75	107.72	1046.11	176.71	113.24
Ship_Date	20882.66	20108.10	20536.85	20860.64	20797.27
Category=Furniture	-0.00	0.19	0.48	0.53	0.09
Category=Office Supplies	1.00	0.64	0.23	0.00	0.82
Category=Technology	0.00	0.16	0.30	0.47	0.10
Region=Central	0.20	0.20	0.23	0.24	0.21
Region=East	0.30	0.29	0.27	0.28	0.29
Region=South	0.17	0.18	0.17	0.16	0.15
Region=West	0.32	0.34	0.33	0.32	0.35
Ship_Mode=First Class	0.17	0.14	0.14	0.17	0.14
Ship_Mode=Same Day	0.06	0.05	0.06	0.06	0.05
Ship_Mode=Second Class	0.19	0.19	0.21	0.20	0.21
Ship_Mode=Standard Class	0.58	0.62	0.58	0.57	0.60
State=Alabama	0.01	0.01	0.01	0.00	0.01

Variable					
	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
State=Arizona	0.02	0.03	0.02	0.02	0.03
State=Arkansas	0.01	0.01	0.01	0.01	0.01
State=California	0.21	0.21	0.21	0.19	0.21
State=Colorado	0.02	0.02	0.02	0.02	0.02
State=Connecticut	0.01	0.01	0.01	0.01	0.01
State=Delaware	0.01	0.01	0.01	0.01	0.01
State=District of Columbia	0.00	0.00	0.00	0.00	0.00
State=Florida	0.04	0.05	0.04	0.04	0.03
State=Georgia	0.02	0.02	0.02	0.02	0.02
State=Idaho	0.00	0.00	-0.00	0.00	0.00
State=Illinois	0.04	0.04	0.04	0.06	0.04
State=Indiana	0.02	0.01	0.02	0.02	0.02
State=Iowa	0.01	0.00	0.00	0.00	0.01
State=Kansas	0.00	0.00	-0.00	0.00	0.00
State=Kentucky	0.01	0.02	0.01	0.01	0.01
State=Louisiana	0.00	0.01	0.00	0.01	0.00
State=Maine	0.00	0.00	0.00	0.00	0.00
State=Maryland	0.01	0.01	0.01	0.01	0.01
State=Massachusetts	0.01	0.02	0.01	0.01	0.01
State=Michigan	0.02	0.03	0.03	0.03	0.03
State=Minnesota	0.01	0.01	0.01	0.01	0.01
State=Mississippi	0.01	0.01	0.00	0.00	0.01
State=Missouri	0.01	0.01	0.01	0.01	0.01
State=Montana	0.00	0.00	0.00	-0.00	0.00
State=Nebraska	0.00	0.00	0.00	0.00	0.01
State=Nevada	0.00	0.01	0.01	0.00	0.00
State=New Hampshire	0.00	0.00	0.00	0.00	0.00
State=New Jersey	0.02	0.01	0.01	0.02	0.01
State=New Mexico	0.00	0.00	0.00	0.00	0.01
State=New York	0.12	0.11	0.13	0.11	0.12
State=North Carolina	0.03	0.02	0.03	0.03	0.02
State=North Dakota	0.00	0.00	0.00	0.00	0.00
State=Ohio	0.05	0.05	0.03	0.05	0.05
State=Oklahoma	0.01	0.00	0.02	0.01	0.00
State=Oregon	0.01	0.01	0.00	0.01	0.02
State=Pennsylvania	0.06	0.06	0.05	0.06	0.05
State=Rhode Island	0.01	0.00	0.01	0.00	0.01
State=South Carolina	0.00	0.01	0.00	0.00	0.01
State=South Dakota	0.00	0.00	-0.00	0.00	0.00
State=Tennessee	0.02	0.01	0.02	0.02	0.02
State=Texas	0.08	0.08	0.09	0.10	0.07
State=Utah	0.01	0.01	0.01	0.00	0.01
State=Vermont	0.00	0.00	0.00	0.00	0.00
State=Virginia	0.02	0.03	0.02	0.01	0.02
State=Washington	0.05	0.04	0.06	0.06	0.05
State=West Virginia	0.00	0.00	-0.00	0.00	0.00
State=Wisconsin	0.01	0.01	0.02	0.01	0.01
Sub_Category=Accessories	-0.00	0.08	0.08	0.22	0.05
Sub_Category=Appliances	0.07	0.04	0.05	-0.00	0.04
Sub_Category=Art	0.13	0.09	0.00	0.00	0.14
Sub_Category=Binders	0.22	0.14	0.05	0.00	0.17
Sub_Category=Bookcases	0.00	0.02	0.07	0.06	0.01
Sub_Category=Chairs	0.00	0.05	0.22	0.14	0.01
Sub_Category=Envelopes	0.04	0.03	-0.00	0.00	0.04
Sub_Category=Fasteners	0.03	0.03	0.00	0.00	0.04
Sub_Category=Furnishings	-0.00	0.10	0.03	0.27	0.07
Sub_Category=Labels	0.07	0.04	0.00	-0.00	0.05
Sub_Category=Machines	0.00	0.01	0.03	0.02	0.00
Sub_Category=Paper	0.25	0.16	0.00	-0.00	0.21
Sub_Category=Phones	-0.00	0.08	0.19	0.23	0.04
Sub_Category=Storage	0.14	0.09	0.12	0.00	0.09
Sub_Category=Supplies	0.04	0.02	0.01	-0.00	0.03
Sub_Category=Tables	-0.00	0.02	0.16	0.06	0.00

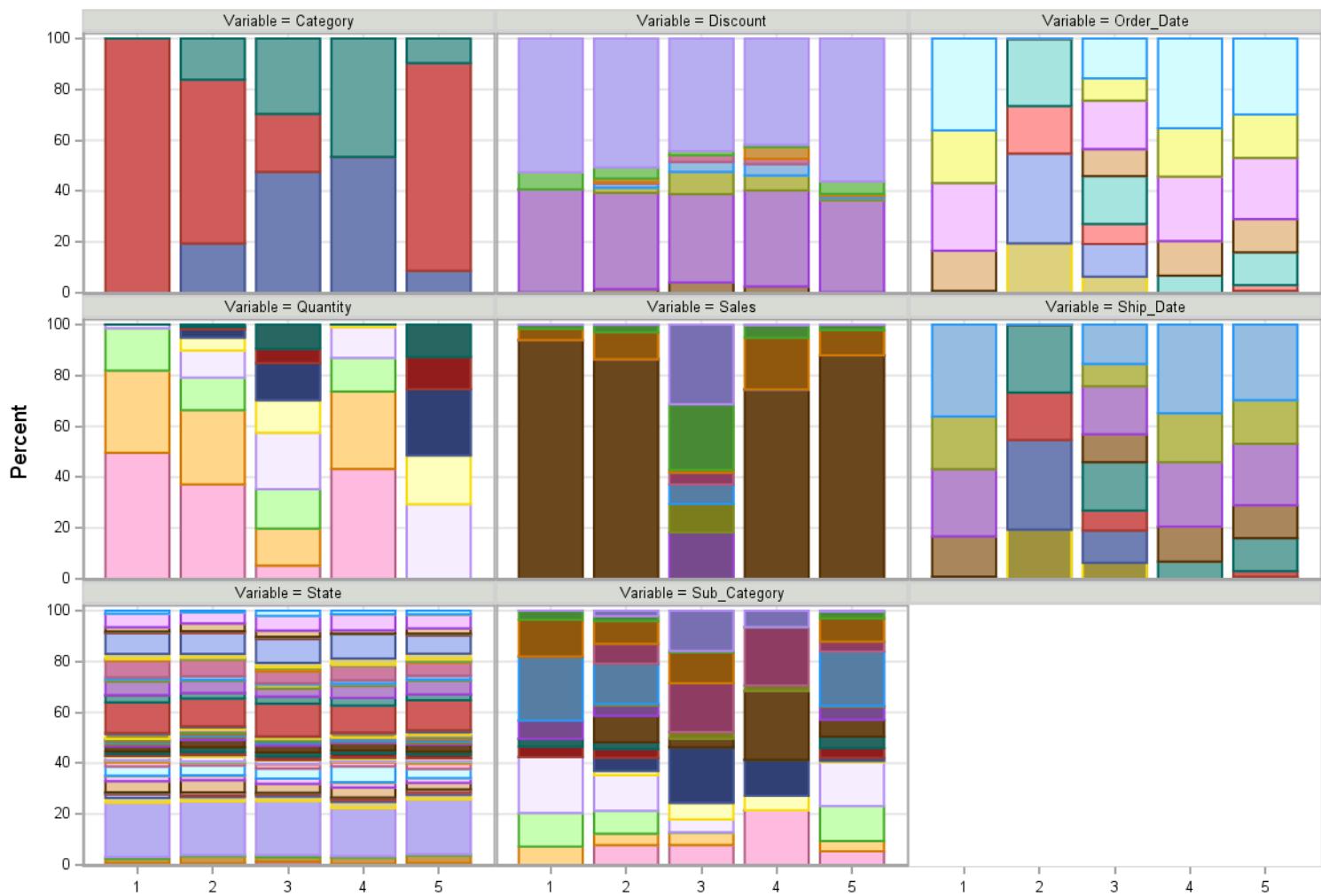
SAS Enterprise Miner Report
Node=Ward Clustering k=5
Segment Size



SAS Enterprise Miner Report
Node=Ward Clustering k=5
Tree Diagram



SAS Enterprise Miner Report
Node=Ward Clustering k=5
Segment Plot



Segment Variable

Formatted Value	
Furniture	Office Supplies
0.525:0.6125	0.6125:0.7
20637:20819	20819:21001
6.625:7.75	7.75:8.875
260.79:520.59	520.59:780.39
20642:20825	20825:21007
Connecticut	Delaware
Iowa	Kansas
Minnesota	Mississippi
New Mexico	New York
Rhode Island	South Carolina
Washington	West Virginia
Chairs	Envelopes
Storage	Supplies
Technology	0:0.0875
0.875:10	1:2.125
780.39:1040.2	0.99:260.79
21007:21189	19731:19913
District of Columbia	Alabama
Kentucky	Florida
Missouri	Louisiana
North Carolina	Tennessee
South Dakota	Accessories
Wisconsin	Furnishings
Fasteners	Labels
Tables	
0.0875:0.175	0.175:0.2625
19727:19909	19909:20091
21001:21183	2.125:3.25
3.25:4.375	1040.2:1300
4.375:5.5	19913:20096
1819.6:2079.4	1300:1559.8
20273:20455	20096:20278
20455:20637	0.35:0.4375
5.5:6.625	0.2625:0.35
1819.6:2079.4	4.375:5.5
20460:20642	1559.8:1819.6
Colorado	20278:20460
California	Arkansas
Illinois	Idaho
Michigan	Maryland
Massachusetts	Nebraska
New Hampshire	Ohio
New Jersey	Texas
Oregon	Appliances
Pennsylvania	Art
Virginia	Binders
Bookcases	Machines
Phones	

SAS Enterprise Miner Report

Node=Average Clustering k=5 Summary

Node id = Clus6
 Node label = Average Clustering k=5
 Meta path = Ids => Filter => Varsel => Clus6
 Notes =

Node=Average Clustering k=5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	AVERAGE	WARD	ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	USER	AUTOMATIC
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	5	10	TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Average Clustering k=5 Variable Summary

Role	Level	Frequency	Count	Name
		Count		
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date	
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category	
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID	

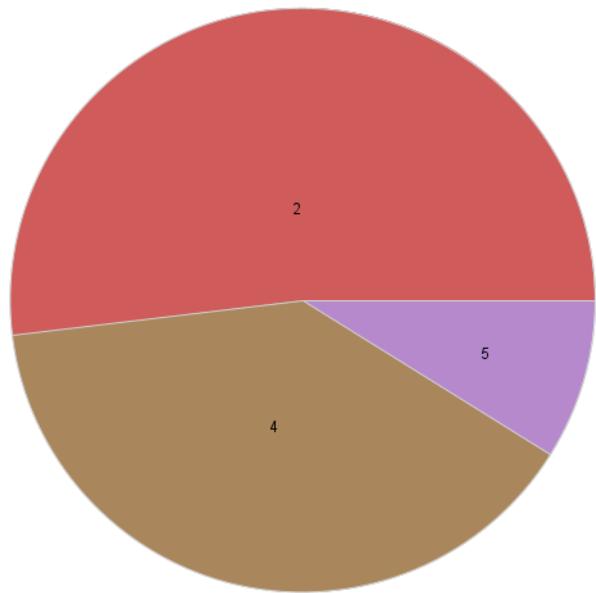
Node=Average Clustering k=5

Mean Statistics

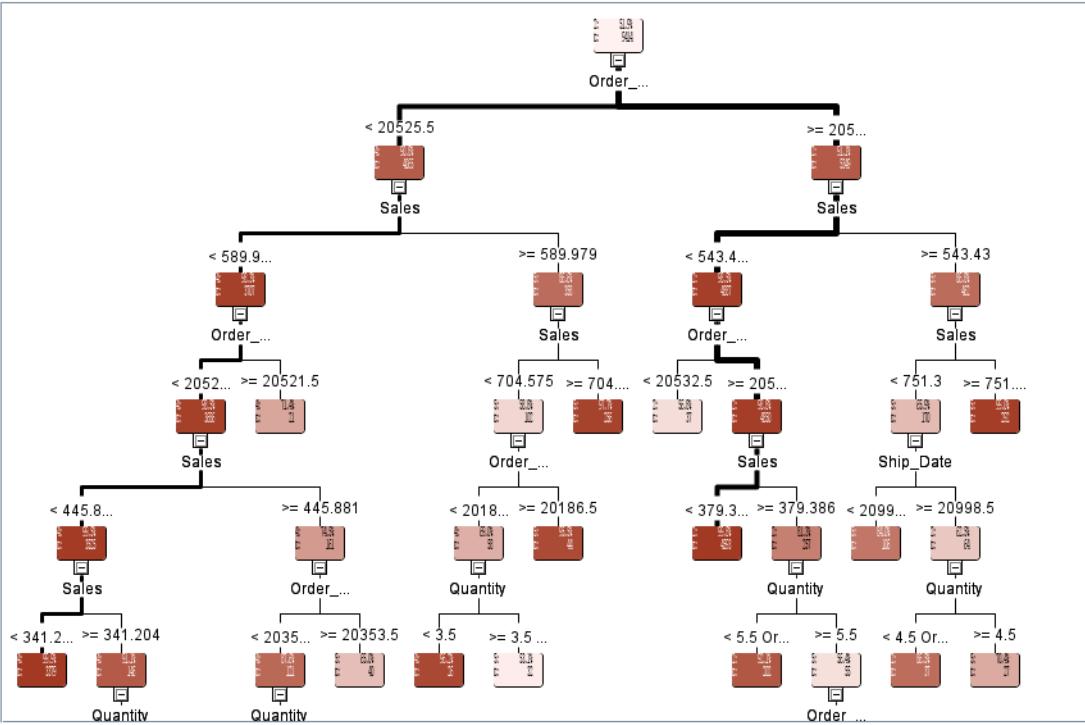
Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
Clustering Criterion	0.31	0.31	0.31	0.31	0.31
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion
Frequency of Cluster	1.00	4882.00	4.00	3707.00	820.00
Root-Mean-Square Standard Deviation	.	0.30	0.29	0.30	0.36
Maximum Distance from Cluster Seed	0.00	6.50	3.21	6.35	5.87
Nearest Cluster	5.00	4.00	2.00	2.00	2.00
Distance to Nearest Cluster	14.16	2.52	7.11	2.52	3.33
Discount	0.20	0.14	0.08	0.13	0.15
Order_Date	20765.00	20899.29	21019.25	20151.71	20561.94
Quantity	4.00	3.51	4.50	3.46	5.45
Sales	1603.14	100.98	302.46	107.50	952.70
Ship_Date	20770.00	20903.22	21022.25	20155.70	20565.85
Category=Furniture	1.00	0.19	0.25	0.20	0.48
Category=Office Supplies	0.00	0.64	0.75	0.63	0.22
Category=Technology	0.00	0.17	0.00	0.17	0.30
Region=Central	0.00	0.21	0.00	0.20	0.23
Region=East	0.00	0.29	1.00	0.29	0.29
Region=South	-0.00	0.16	-0.00	0.18	0.15
Region=West	1.00	0.33	-0.00	0.33	0.34
Ship_Mode=First Class	0.00	0.17	0.00	0.14	0.15
Ship_Mode=Same Day	0.00	0.06	0.25	0.05	0.06
Ship_Mode=Second Class	0.00	0.20	0.00	0.19	0.20
Ship_Mode=Standard Class	1.00	0.58	0.75	0.62	0.59
State=Alabama	0.00	0.01	0.00	0.01	0.01
State=Arizona	-0.00	0.02	-0.00	0.03	0.02

Variable	Segment				
	Segment 1	2	Segment 3	Segment 4	Segment 5
State=Arkansas	0.00	0.01	0.00	0.00	0.01
State=California	-0.00	0.21	-0.00	0.20	0.21
State=Colorado	0.00	0.02	0.00	0.02	0.02
State=Connecticut	0.00	0.01	0.00	0.01	0.01
State=Delaware	-0.00	0.01	-0.00	0.01	0.01
State=District of Columbia	-0.00	0.00	-0.00	0.00	0.00
State=Florida	0.00	0.04	0.00	0.04	0.04
State=Georgia	0.00	0.02	0.00	0.02	0.02
State=Idaho	0.00	0.00	0.00	0.00	0.00
State=Illinois	0.00	0.04	0.00	0.04	0.04
State=Indiana	-0.00	0.02	-0.00	0.01	0.02
State=Iowa	0.00	0.00	0.00	0.00	0.00
State=Kansas	0.00	0.00	0.00	0.00	-0.00
State=Kentucky	0.00	0.01	0.00	0.02	0.01
State=Louisiana	0.00	0.00	0.00	0.01	0.00
State>Maine	-0.00	0.00	-0.00	0.00	0.00
State=Maryland	-0.00	0.01	-0.00	0.01	0.01
State=Massachusetts	-0.00	0.01	-0.00	0.02	0.01
State=Michigan	-0.00	0.02	-0.00	0.03	0.03
State=Minnesota	0.00	0.01	0.00	0.01	0.01
State=Mississippi	0.00	0.01	0.00	0.01	0.00
State=Missouri	-0.00	0.01	-0.00	0.01	0.01
State=Montana	-0.00	0.00	-0.00	0.00	0.00
State=Nebraska	0.00	0.00	0.00	0.00	-0.00
State=Nevada	0.00	0.00	0.00	0.01	0.01
State>New Hampshire	0.00	0.00	0.00	0.00	0.00
State>New Jersey	-0.00	0.02	-0.00	0.01	0.01
State>New Mexico	-0.00	0.01	-0.00	0.00	0.00
State>New York	0.00	0.12	0.00	0.11	0.13
State=North Carolina	0.00	0.03	0.00	0.02	0.03
State=North Dakota	-0.00	0.00	-0.00	-0.00	0.00
State=Ohio	0.00	0.05	0.00	0.05	0.04
State=Oklahoma	0.00	0.01	0.00	0.00	0.01
State=Oregon	-0.00	0.01	-0.00	0.02	0.01
State=Pennsylvania	0.00	0.06	0.00	0.07	0.05
State=Rhode Island	0.00	0.01	0.00	0.00	0.01
State=South Carolina	0.00	0.00	0.00	0.01	0.00
State=South Dakota	0.00	0.00	0.00	0.00	-0.00
State=Tennessee	0.00	0.02	0.00	0.02	0.01
State=Texas	0.00	0.08	0.00	0.08	0.09
State=Utah	0.00	0.00	0.00	0.01	0.01
State=Vermont	-0.00	0.00	-0.00	0.00	0.00
State=Virginia	-0.00	0.02	-0.00	0.03	0.02
State=Washington	0.00	0.06	0.00	0.04	0.06
State=West Virginia	0.00	0.00	1.00	0.00	-0.00
State=Wisconsin	0.00	0.01	0.00	0.01	0.02
State=Wyoming	1.00	0.00	0.00	0.00	-0.00
Sub_Category=Accessories	-0.00	0.08	-0.00	0.08	0.08
Sub_Category=Appliances	0.00	0.04	0.00	0.04	0.04
Sub_Category=Art	0.00	0.09	0.00	0.09	0.00
Sub_Category=Binders	-0.00	0.15	0.50	0.14	0.05
Sub_Category=Bookcases	-0.00	0.02	-0.00	0.02	0.07
Sub_Category=Chairs	1.00	0.05	-0.00	0.05	0.24
Sub_Category=Envelopes	0.00	0.02	0.00	0.04	0.00
Sub_Category=Fasteners	0.00	0.02	0.00	0.03	0.00
Sub_Category=Furnishings	0.00	0.11	0.00	0.11	0.03
Sub_Category=Labels	0.00	0.04	0.00	0.04	0.00
Sub_Category=Machines	-0.00	0.01	-0.00	0.01	0.04
Sub_Category=Paper	0.00	0.16	0.25	0.15	0.01
Sub_Category=Phones	-0.00	0.08	-0.00	0.08	0.19
Sub_Category=Storage	0.00	0.09	0.00	0.09	0.11
Sub_Category=Supplies	0.00	0.02	0.00	0.02	0.01
Sub_Category=Tables	0.00	0.02	0.25	0.02	0.14

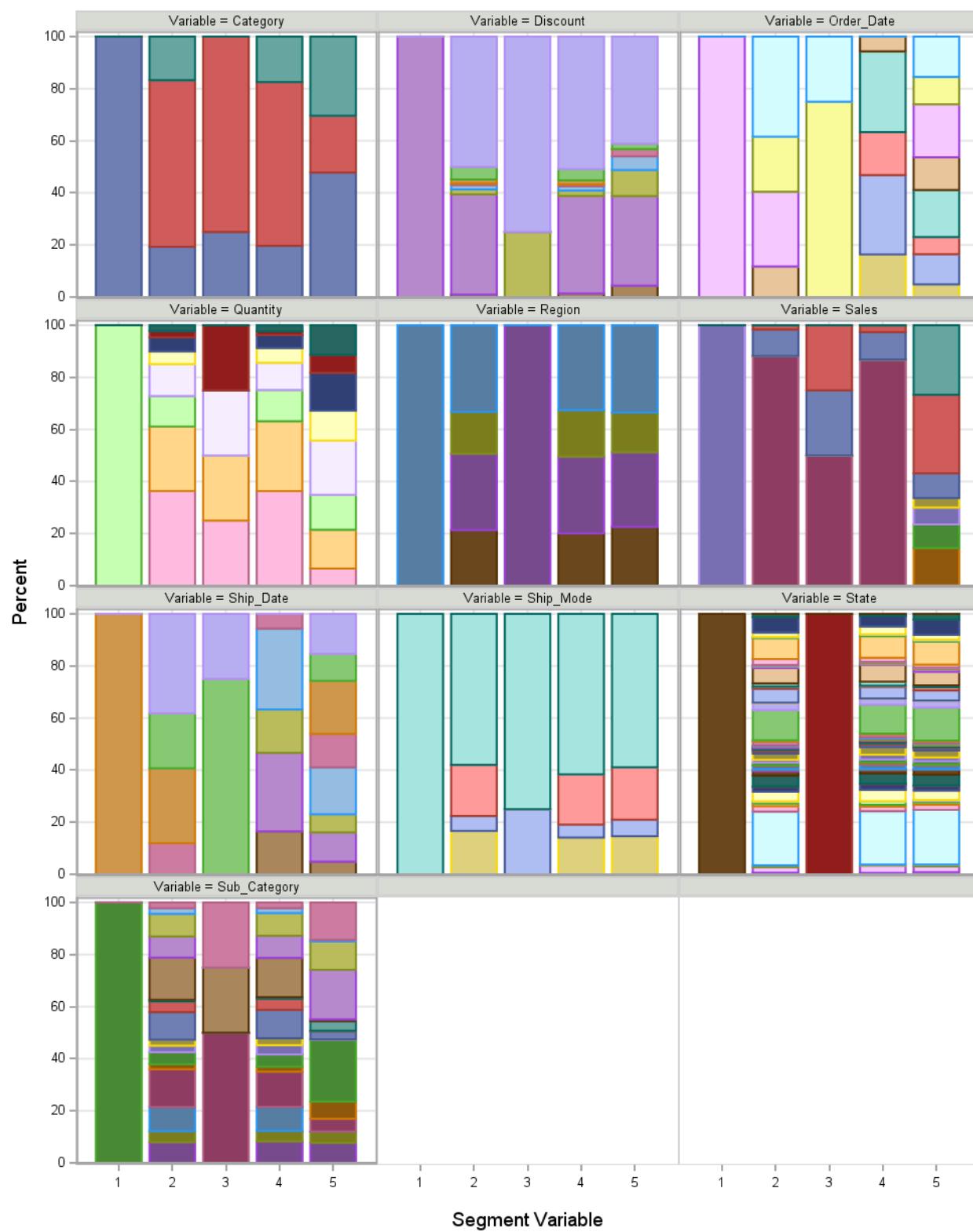
SAS Enterprise Miner Report
Node=Average Clustering k=5
Segment Size



SAS Enterprise Miner Report
Node=Average Clustering k=5
Tree Diagram



SAS Enterprise Miner Report
Node=Average Clustering k=5
Segment Plot



SAS Enterprise Miner Report

Node=Average Clustering Summary

Node id = Clus5
 Node label = Average Clustering
 Meta path = Ids => Filter => Varsel => Clus5
 Notes =

Node=Average Clustering Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	AVERAGE	WARD	ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	AUTOMATIC	
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	10		TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Average Clustering Variable Summary

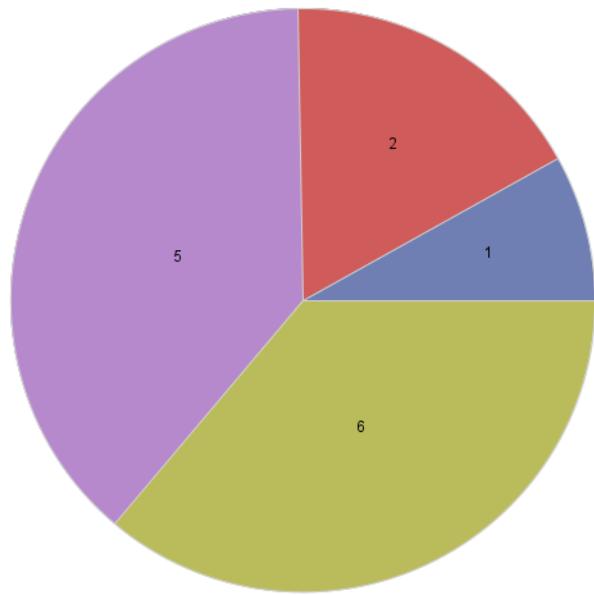
Role	Level	Frequency	Count	Name				
		Count		Discount	Order_Date	Quantity	Sales	Ship_Date
INPUT	INTERVAL	5						
INPUT	NOMINAL	6						
ID	NOMINAL	4						

Node=Average Clustering Mean Statistics

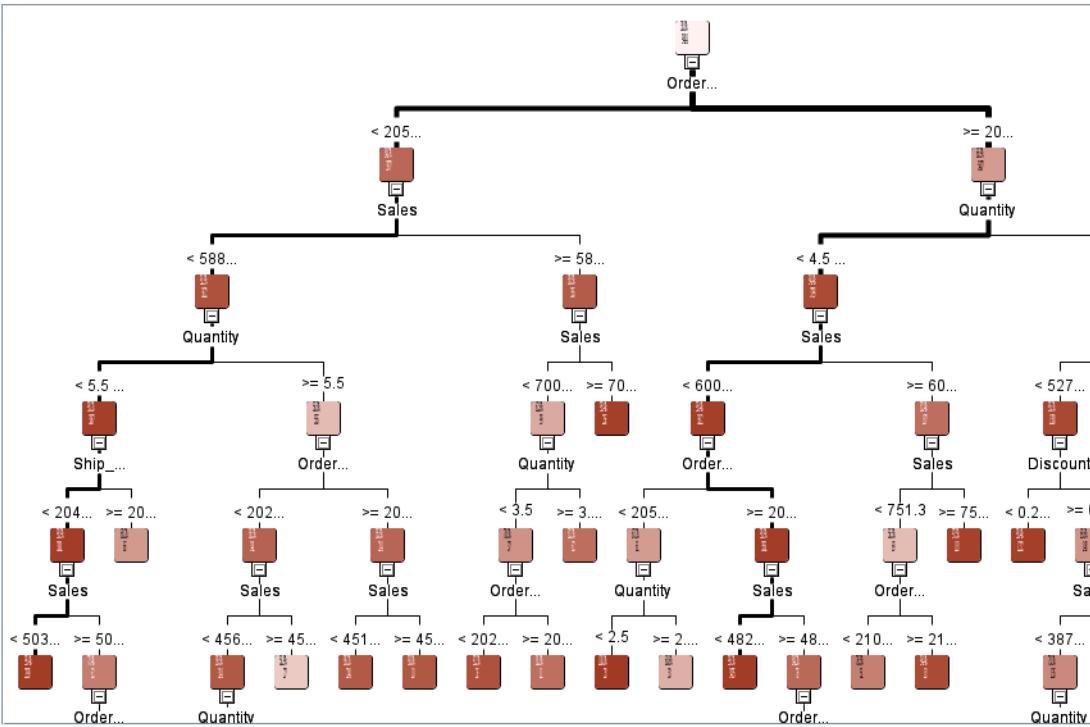
Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5	Segment 6
Clustering Criterion	0.30	0.30	0.30	0.30	0.30	0.30
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion
Frequency of Cluster	765.00	1604.00	1.00	4.00	3648.00	3392.00
Root-Mean-Square Standard Deviation	0.36	0.30	.	0.29	0.29	0.30
Maximum Distance from Cluster Seed	6.04	5.91	0.00	3.21	5.85	6.40
Nearest Cluster	2.00	5.00	1.00	5.00	2.00	5.00
Distance to Nearest Cluster	3.26	1.97	14.14	7.16	1.97	2.60
Discount	0.16	0.12	0.20	0.08	0.14	0.13
Order_Date	20531.64	20808.16	20765.00	21019.25	20895.77	20130.52
Quantity	5.25	6.41	4.00	4.50	2.53	3.22
Sales	987.49	125.49	1603.14	302.46	98.09	105.58
Ship_Date	20535.52	20812.16	20770.00	21022.25	20899.68	20134.52
Category=Furniture	0.49	0.13	1.00	0.25	0.22	0.20
Category=Office Supplies	0.21	0.73	0.00	0.75	0.60	0.63
Category=Technology	0.30	0.14	0.00	0.00	0.18	0.18
Region=Central	0.22	0.20	0.00	0.00	0.22	0.20
Region=East	0.29	0.28	0.00	1.00	0.30	0.29
Region=South	0.15	0.17	-0.00	-0.00	0.16	0.18
Region=West	0.33	0.35	1.00	-0.00	0.32	0.33
Ship_Mode=First Class	0.15	0.15	0.00	0.00	0.17	0.14
Ship_Mode=Same Day	0.06	0.05	0.00	0.25	0.06	0.05
Ship_Mode=Second Class	0.21	0.21	0.00	0.00	0.19	0.19
Ship_Mode=Standard Class	0.59	0.59	1.00	0.75	0.58	0.62
State=Alabama	0.01	0.01	0.00	0.00	0.01	0.01
State=Arizona	0.02	0.03	-0.00	-0.00	0.02	0.03

Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5	Segment 6
State=Arkansas	0.01	0.01	0.00	0.00	0.01	0.00
State=California	0.21	0.22	-0.00	-0.00	0.20	0.21
State=Colorado	0.02	0.02	0.00	0.00	0.02	0.02
State=Connecticut	0.01	0.01	0.00	0.00	0.01	0.01
State=Delaware	0.01	0.01	-0.00	-0.00	0.01	0.01
State=District of Columbia	0.00	0.00	-0.00	-0.00	0.00	0.00
State=Florida	0.04	0.03	0.00	0.00	0.04	0.05
State=Georgia	0.02	0.02	0.00	0.00	0.02	0.02
State=Idaho	0.00	0.00	0.00	0.00	0.00	0.00
State=Illinois	0.04	0.03	0.00	0.00	0.04	0.04
State=Indiana	0.02	0.02	-0.00	-0.00	0.02	0.01
State=Iowa	0.00	0.00	0.00	0.00	0.00	0.00
State=Kansas	-0.00	0.00	0.00	0.00	0.00	0.00
State=Kentucky	0.01	0.01	0.00	0.00	0.01	0.02
State=Louisiana	0.00	0.00	0.00	0.00	0.00	0.01
State>Maine	0.00	-0.00	-0.00	-0.00	0.00	0.00
State=Maryland	0.01	0.01	-0.00	-0.00	0.01	0.01
State=Massachusetts	0.02	0.01	-0.00	-0.00	0.01	0.02
State=Michigan	0.02	0.03	-0.00	-0.00	0.02	0.03
State=Minnesota	0.01	0.01	0.00	0.00	0.01	0.01
State=Mississippi	0.00	0.01	0.00	0.00	0.00	0.01
State=Missouri	0.01	0.01	-0.00	-0.00	0.01	0.01
State=Montana	0.00	0.00	-0.00	-0.00	0.00	0.00
State=Nebraska	-0.00	0.01	0.00	0.00	0.00	0.00
State=Nevada	0.01	0.00	0.00	0.00	0.00	0.01
State>New Hampshire	0.00	0.00	0.00	0.00	0.00	0.00
State>New Jersey	0.01	0.01	-0.00	-0.00	0.02	0.01
State>New Mexico	0.00	0.01	-0.00	-0.00	0.00	0.00
State>New York	0.12	0.11	0.00	0.00	0.12	0.11
State=North Carolina	0.02	0.03	0.00	0.00	0.03	0.02
State=North Dakota	0.00	0.00	-0.00	-0.00	0.00	-0.00
State=Ohio	0.04	0.05	0.00	0.00	0.05	0.05
State=Oklahoma	0.01	0.01	0.00	0.00	0.01	0.00
State=Oregon	0.01	0.01	-0.00	-0.00	0.01	0.02
State=Pennsylvania	0.06	0.04	0.00	0.00	0.07	0.06
State=Rhode Island	0.01	0.00	0.00	0.00	0.01	0.00
State=South Carolina	0.00	0.01	0.00	0.00	0.00	0.01
State=South Dakota	-0.00	0.00	0.00	0.00	0.00	0.00
State=Tennessee	0.01	0.02	0.00	0.00	0.02	0.02
State=Texas	0.09	0.07	0.00	0.00	0.08	0.08
State=Utah	0.01	0.00	0.00	0.00	0.00	0.01
State=Vermont	0.00	0.00	-0.00	-0.00	0.00	0.00
State=Virginia	0.02	0.02	-0.00	-0.00	0.01	0.03
State=Washington	0.06	0.05	0.00	0.00	0.06	0.04
State=West Virginia	-0.00	-0.00	0.00	1.00	0.00	0.00
State=Wisconsin	0.02	0.02	0.00	0.00	0.01	0.01
State=Wyoming	-0.00	0.00	1.00	0.00	0.00	0.00
Sub_Category=Accessories	0.07	0.08	-0.00	-0.00	0.08	0.08
Sub_Category=Appliances	0.04	0.04	0.00	0.00	0.04	0.04
Sub_Category=Art	0.00	0.11	0.00	0.00	0.08	0.09
Sub_Category=Binders	0.05	0.17	-0.00	0.50	0.13	0.13
Sub_Category=Bookcases	0.07	0.01	-0.00	-0.00	0.02	0.02
Sub_Category=Chairs	0.25	0.02	1.00	-0.00	0.06	0.05
Sub_Category=Envelopes	0.00	0.03	0.00	0.00	0.02	0.03
Sub_Category=Fasteners	0.00	0.03	0.00	0.00	0.02	0.03
Sub_Category=Furnishings	0.03	0.09	0.00	0.00	0.11	0.11
Sub_Category=Labels	0.00	0.05	0.00	0.00	0.04	0.04
Sub_Category=Machines	0.04	0.00	-0.00	-0.00	0.01	0.01
Sub_Category=Paper	0.00	0.19	0.00	0.25	0.15	0.15
Sub_Category=Phones	0.20	0.06	-0.00	-0.00	0.09	0.09
Sub_Category=Storage	0.11	0.08	0.00	0.00	0.09	0.09
Sub_Category=Supplies	0.01	0.02	0.00	0.00	0.02	0.02
Sub_Category=Tables	0.15	0.01	0.00	0.25	0.03	0.02

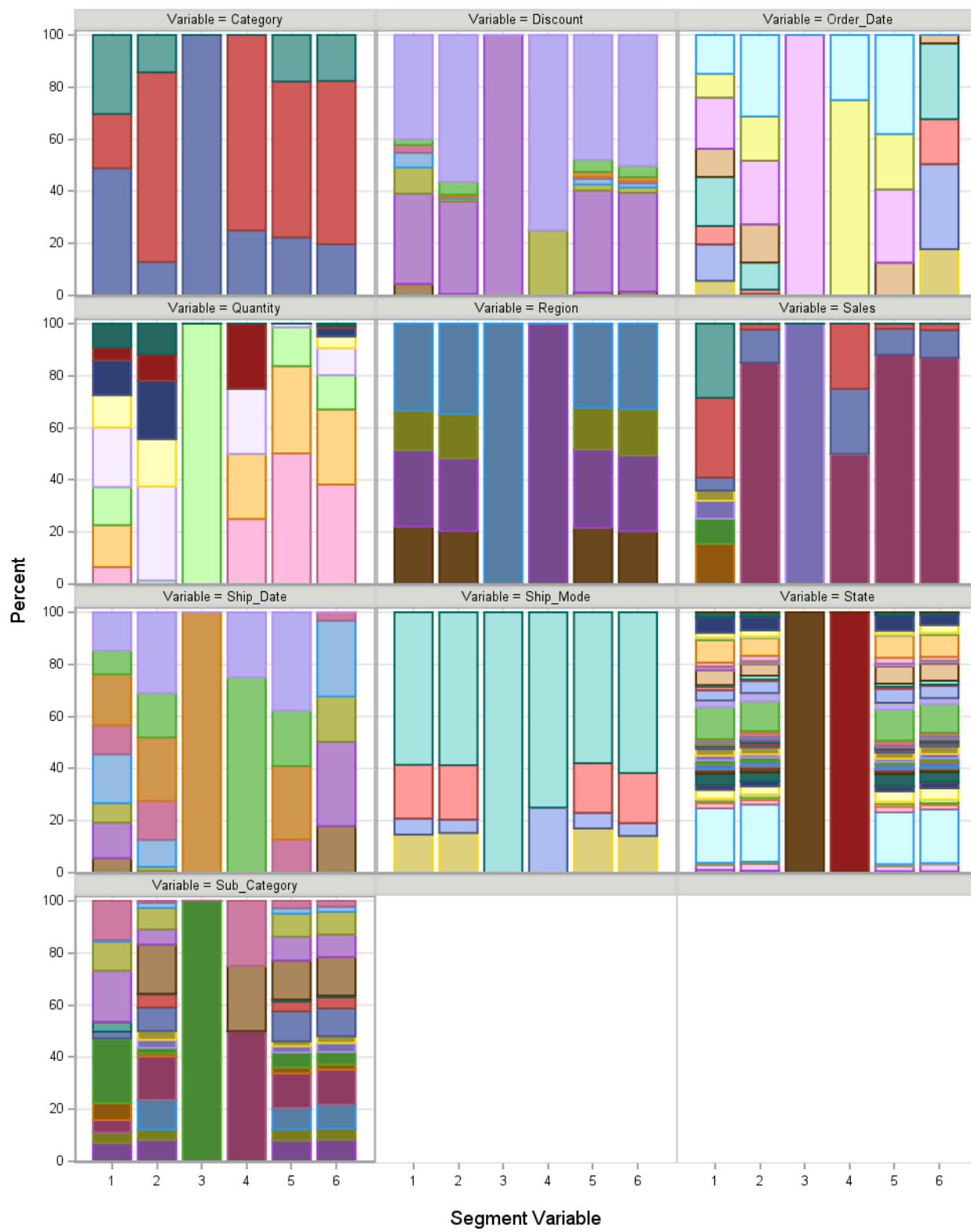
SAS Enterprise Miner Report
Node=Average Clustering
Segment Size



SAS Enterprise Miner Report
Node=Average Clustering
Tree Diagram



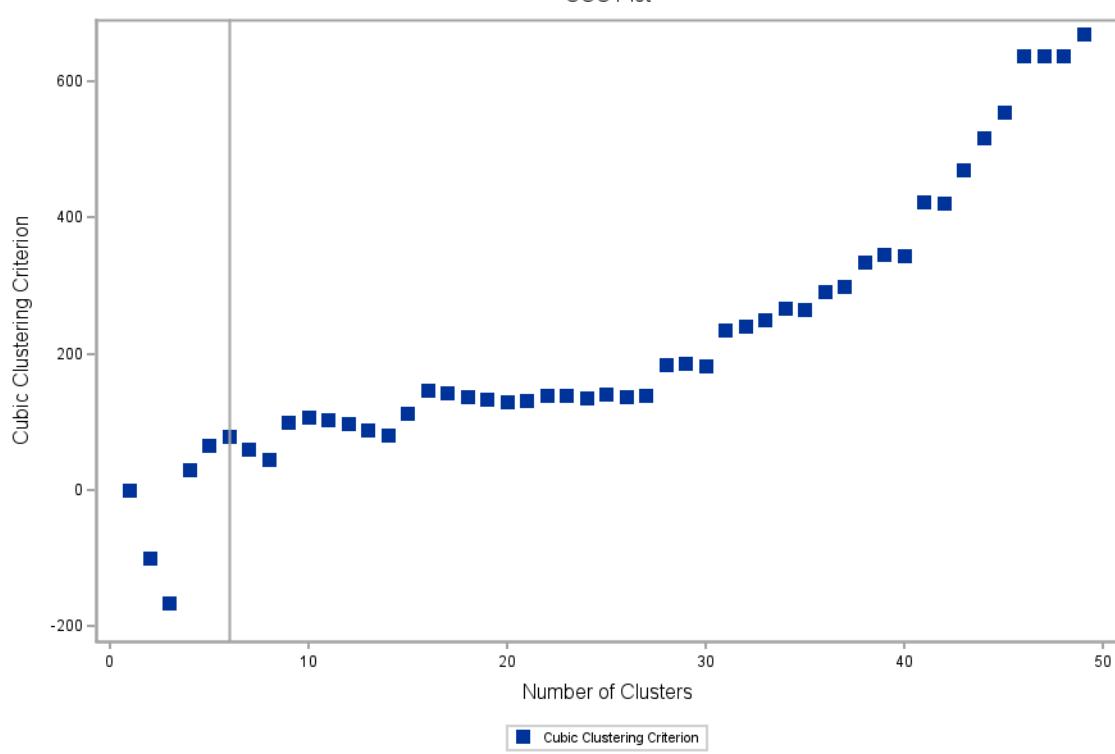
SAS Enterprise Miner Report
Node=Average Clustering
Segment Plot



SAS Enterprise Miner Report

Node=Average Clustering

CCC Plot



SAS Enterprise Miner Report

Node=Centroid Clustering k=5 Summary

Node id = Clus4
 Node label = Centroid Clustering k=5
 Meta path = Ids => Filter => Varsel => Clus4
 Notes =

Node=Centroid Clustering k=5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	CENTROID	WARD	ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	USER	AUTOMATIC
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	5	10	TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Centroid Clustering k=5

Variable Summary

Role	Level	Frequency	Count	Name
		Count		
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date	
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category	
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID	

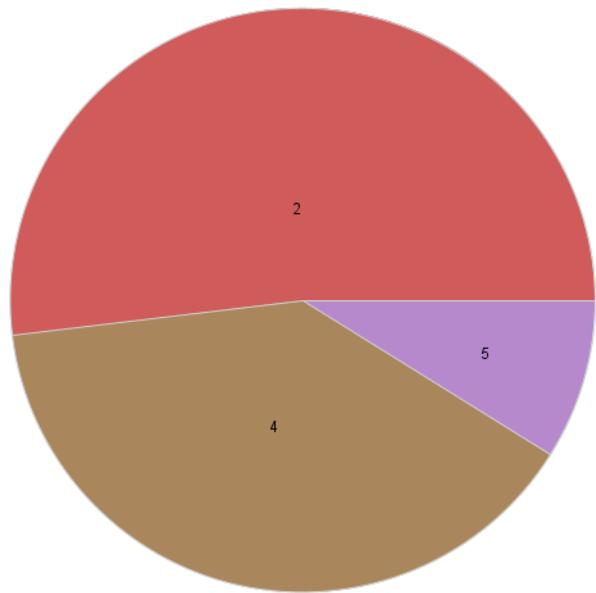
Node=Centroid Clustering k=5

Mean Statistics

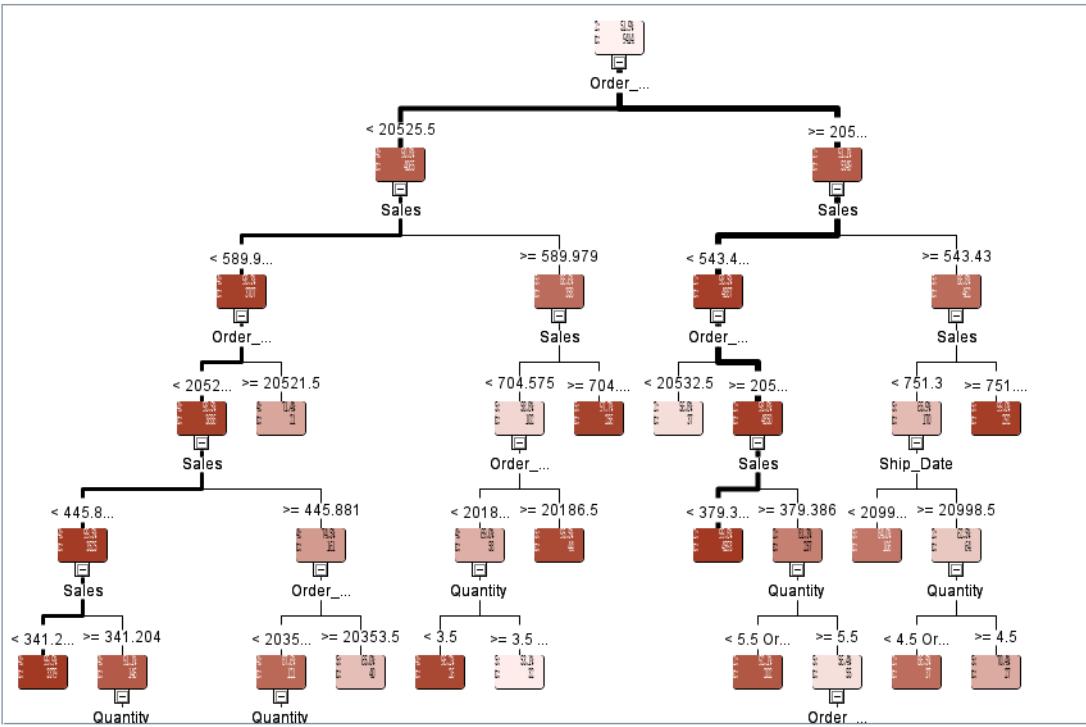
Variable	Segment				
	1	2	3	4	5
Clustering Criterion	0.31	0.31	0.31	0.31	0.31
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion
Frequency of Cluster	1.00	4882.00	4.00	3707.00	820.00
Root-Mean-Square Standard Deviation	.	0.30	0.29	0.30	0.36
Maximum Distance from Cluster Seed	0.00	6.50	3.21	6.35	5.87
Nearest Cluster	5.00	4.00	2.00	2.00	2.00
Distance to Nearest Cluster	14.16	2.52	7.11	2.52	3.33
Discount	0.20	0.14	0.08	0.13	0.15
Order_Date	20765.00	20899.29	21019.25	20151.71	20561.94
Quantity	4.00	3.51	4.50	3.46	5.45
Sales	1603.14	100.98	302.46	107.50	952.70
Ship_Date	20770.00	20903.22	21022.25	20155.70	20565.85
Category=Furniture	1.00	0.19	0.25	0.20	0.48
Category=Office Supplies	0.00	0.64	0.75	0.63	0.22
Category=Technology	0.00	0.17	0.00	0.17	0.30
Region=Central	0.00	0.21	0.00	0.20	0.23
Region=East	0.00	0.29	1.00	0.29	0.29
Region=South	-0.00	0.16	-0.00	0.18	0.15
Region=West	1.00	0.33	-0.00	0.33	0.34
Ship_Mode=First Class	0.00	0.17	0.00	0.14	0.15
Ship_Mode=Same Day	0.00	0.06	0.25	0.05	0.06
Ship_Mode=Second Class	0.00	0.20	0.00	0.19	0.20
Ship_Mode=Standard Class	1.00	0.58	0.75	0.62	0.59
State=Alabama	0.00	0.01	0.00	0.01	0.01
State=Arizona	-0.00	0.02	-0.00	0.03	0.02

Variable	Segment				
	Segment 1	2	Segment 3	Segment 4	Segment 5
State=Arkansas	0.00	0.01	0.00	0.00	0.01
State=California	-0.00	0.21	-0.00	0.20	0.21
State=Colorado	0.00	0.02	0.00	0.02	0.02
State=Connecticut	0.00	0.01	0.00	0.01	0.01
State=Delaware	-0.00	0.01	-0.00	0.01	0.01
State=District of Columbia	-0.00	0.00	-0.00	0.00	0.00
State=Florida	0.00	0.04	0.00	0.04	0.04
State=Georgia	0.00	0.02	0.00	0.02	0.02
State=Idaho	0.00	0.00	0.00	0.00	0.00
State=Illinois	0.00	0.04	0.00	0.04	0.04
State=Indiana	-0.00	0.02	-0.00	0.01	0.02
State=Iowa	0.00	0.00	0.00	0.00	0.00
State=Kansas	0.00	0.00	0.00	0.00	-0.00
State=Kentucky	0.00	0.01	0.00	0.02	0.01
State=Louisiana	0.00	0.00	0.00	0.01	0.00
State>Maine	-0.00	0.00	-0.00	0.00	0.00
State=Maryland	-0.00	0.01	-0.00	0.01	0.01
State=Massachusetts	-0.00	0.01	-0.00	0.02	0.01
State=Michigan	-0.00	0.02	-0.00	0.03	0.03
State=Minnesota	0.00	0.01	0.00	0.01	0.01
State=Mississippi	0.00	0.01	0.00	0.01	0.00
State=Missouri	-0.00	0.01	-0.00	0.01	0.01
State=Montana	-0.00	0.00	-0.00	0.00	0.00
State=Nebraska	0.00	0.00	0.00	0.00	-0.00
State=Nevada	0.00	0.00	0.00	0.01	0.01
State>New Hampshire	0.00	0.00	0.00	0.00	0.00
State>New Jersey	-0.00	0.02	-0.00	0.01	0.01
State>New Mexico	-0.00	0.01	-0.00	0.00	0.00
State>New York	0.00	0.12	0.00	0.11	0.13
State=North Carolina	0.00	0.03	0.00	0.02	0.03
State=North Dakota	-0.00	0.00	-0.00	-0.00	0.00
State=Ohio	0.00	0.05	0.00	0.05	0.04
State=Oklahoma	0.00	0.01	0.00	0.00	0.01
State=Oregon	-0.00	0.01	-0.00	0.02	0.01
State=Pennsylvania	0.00	0.06	0.00	0.07	0.05
State=Rhode Island	0.00	0.01	0.00	0.00	0.01
State=South Carolina	0.00	0.00	0.00	0.01	0.00
State=South Dakota	0.00	0.00	0.00	0.00	-0.00
State=Tennessee	0.00	0.02	0.00	0.02	0.01
State=Texas	0.00	0.08	0.00	0.08	0.09
State=Utah	0.00	0.00	0.00	0.01	0.01
State=Vermont	-0.00	0.00	-0.00	0.00	0.00
State=Virginia	-0.00	0.02	-0.00	0.03	0.02
State=Washington	0.00	0.06	0.00	0.04	0.06
State=West Virginia	0.00	0.00	1.00	0.00	-0.00
State=Wisconsin	0.00	0.01	0.00	0.01	0.02
State=Wyoming	1.00	0.00	0.00	0.00	-0.00
Sub_Category=Accessories	-0.00	0.08	-0.00	0.08	0.08
Sub_Category=Appliances	0.00	0.04	0.00	0.04	0.04
Sub_Category=Art	0.00	0.09	0.00	0.09	0.00
Sub_Category=Binders	-0.00	0.15	0.50	0.14	0.05
Sub_Category=Bookcases	-0.00	0.02	-0.00	0.02	0.07
Sub_Category=Chairs	1.00	0.05	-0.00	0.05	0.24
Sub_Category=Envelopes	0.00	0.02	0.00	0.04	0.00
Sub_Category=Fasteners	0.00	0.02	0.00	0.03	0.00
Sub_Category=Furnishings	0.00	0.11	0.00	0.11	0.03
Sub_Category=Labels	0.00	0.04	0.00	0.04	0.00
Sub_Category=Machines	-0.00	0.01	-0.00	0.01	0.04
Sub_Category=Paper	0.00	0.16	0.25	0.15	0.01
Sub_Category=Phones	-0.00	0.08	-0.00	0.08	0.19
Sub_Category=Storage	0.00	0.09	0.00	0.09	0.11
Sub_Category=Supplies	0.00	0.02	0.00	0.02	0.01
Sub_Category=Tables	0.00	0.02	0.25	0.02	0.14

SAS Enterprise Miner Report Node=Centroid Clustering k=5 Segment Size



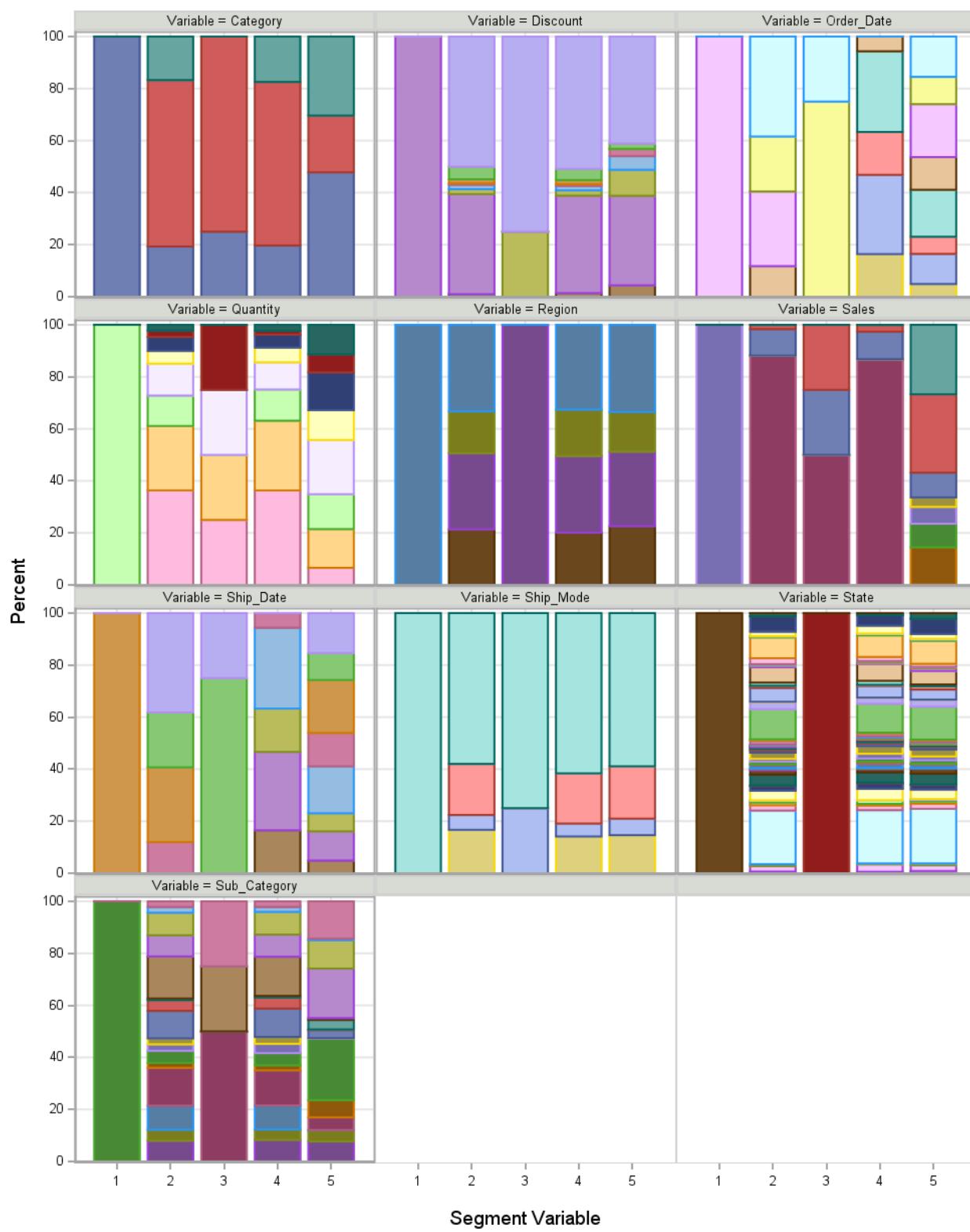
SAS Enterprise Miner Report Node=Centroid Clustering k=5 Tree Diagram



SAS Enterprise Miner Report

Node=Centroid Clustering k=5

Segment Plot



SAS Enterprise Miner Report

Node=Centroid Clustering Summary

Node id = Clus3
 Node label = Centroid Clustering
 Meta path = Ids => Filter => Varsel => Clus3
 Notes =

Node=Centroid Clustering Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	CENTROID	WARD	ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	AUTOMATIC	
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	10		TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Centroid Clustering Variable Summary

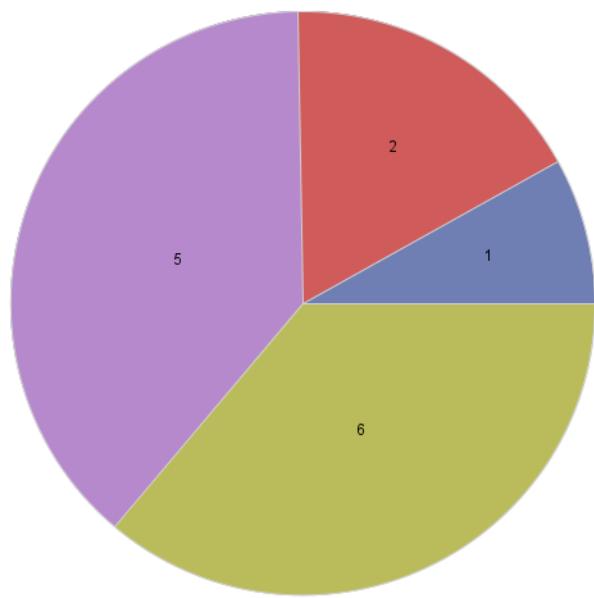
Role	Level	Frequency	Name
		Count	
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=Centroid Clustering Mean Statistics

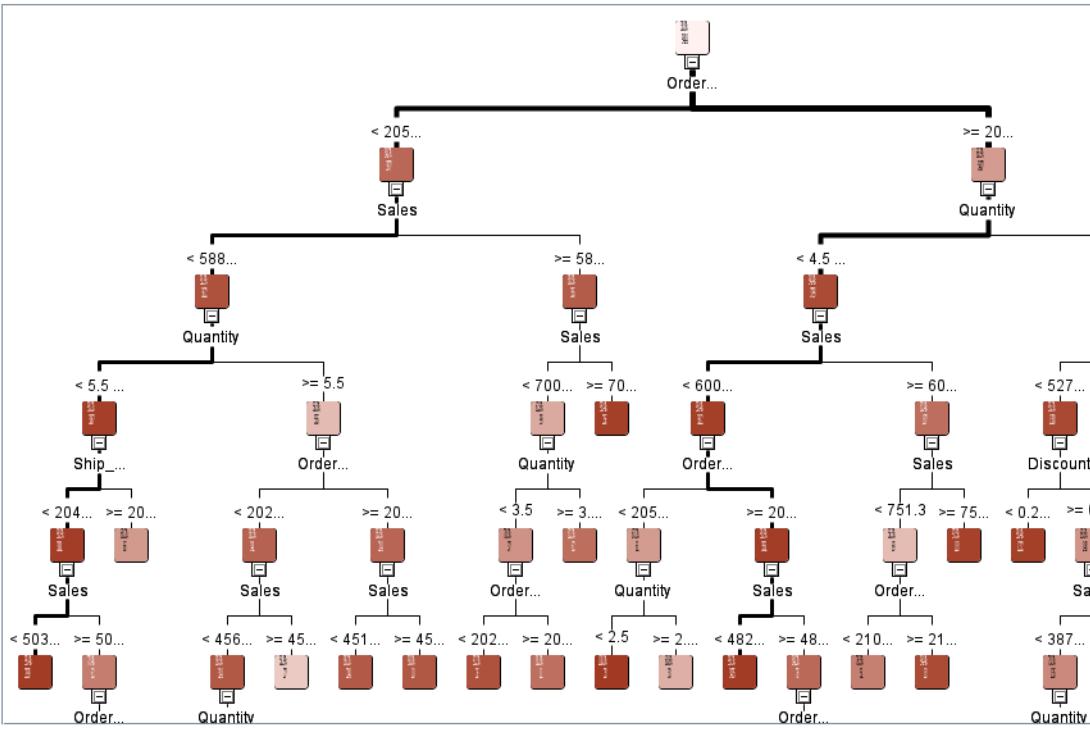
Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5	Segment 6
Clustering Criterion	0.30	0.30	0.30	0.30	0.30	0.30
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion
Frequency of Cluster	765.00	1604.00	1.00	4.00	3648.00	3392.00
Root-Mean-Square Standard Deviation	0.36	0.30	.	0.29	0.29	0.30
Maximum Distance from Cluster Seed	6.04	5.91	0.00	3.21	5.85	6.40
Nearest Cluster	2.00	5.00	1.00	5.00	2.00	5.00
Distance to Nearest Cluster	3.26	1.97	14.14	7.16	1.97	2.60
Discount	0.16	0.12	0.20	0.08	0.14	0.13
Order_Date	20531.64	20808.16	20765.00	21019.25	20895.77	20130.52
Quantity	5.25	6.41	4.00	4.50	2.53	3.22
Sales	987.49	125.49	1603.14	302.46	98.09	105.58
Ship_Date	20535.52	20812.16	20770.00	21022.25	20899.68	20134.52
Category=Furniture	0.49	0.13	1.00	0.25	0.22	0.20
Category=Office Supplies	0.21	0.73	0.00	0.75	0.60	0.63
Category=Technology	0.30	0.14	0.00	0.00	0.18	0.18
Region=Central	0.22	0.20	0.00	0.00	0.22	0.20
Region=East	0.29	0.28	0.00	1.00	0.30	0.29
Region=South	0.15	0.17	-0.00	-0.00	0.16	0.18
Region=West	0.33	0.35	1.00	-0.00	0.32	0.33
Ship_Mode=First Class	0.15	0.15	0.00	0.00	0.17	0.14
Ship_Mode=Same Day	0.06	0.05	0.00	0.25	0.06	0.05
Ship_Mode=Second Class	0.21	0.21	0.00	0.00	0.19	0.19
Ship_Mode=Standard Class	0.59	0.59	1.00	0.75	0.58	0.62
State=Alabama	0.01	0.01	0.00	0.00	0.01	0.01
State=Arizona	0.02	0.03	-0.00	-0.00	0.02	0.03

Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5	Segment 6
State=Arkansas	0.01	0.01	0.00	0.00	0.01	0.00
State=California	0.21	0.22	-0.00	-0.00	0.20	0.21
State=Colorado	0.02	0.02	0.00	0.00	0.02	0.02
State=Connecticut	0.01	0.01	0.00	0.00	0.01	0.01
State=Delaware	0.01	0.01	-0.00	-0.00	0.01	0.01
State=District of Columbia	0.00	0.00	-0.00	-0.00	0.00	0.00
State=Florida	0.04	0.03	0.00	0.00	0.04	0.05
State=Georgia	0.02	0.02	0.00	0.00	0.02	0.02
State=Idaho	0.00	0.00	0.00	0.00	0.00	0.00
State=Illinois	0.04	0.03	0.00	0.00	0.04	0.04
State=Indiana	0.02	0.02	-0.00	-0.00	0.02	0.01
State=Iowa	0.00	0.00	0.00	0.00	0.00	0.00
State=Kansas	-0.00	0.00	0.00	0.00	0.00	0.00
State=Kentucky	0.01	0.01	0.00	0.00	0.01	0.02
State=Louisiana	0.00	0.00	0.00	0.00	0.00	0.01
State>Maine	0.00	-0.00	-0.00	-0.00	0.00	0.00
State=Maryland	0.01	0.01	-0.00	-0.00	0.01	0.01
State=Massachusetts	0.02	0.01	-0.00	-0.00	0.01	0.02
State=Michigan	0.02	0.03	-0.00	-0.00	0.02	0.03
State=Minnesota	0.01	0.01	0.00	0.00	0.01	0.01
State=Mississippi	0.00	0.01	0.00	0.00	0.00	0.01
State=Missouri	0.01	0.01	-0.00	-0.00	0.01	0.01
State=Montana	0.00	0.00	-0.00	-0.00	0.00	0.00
State=Nebraska	-0.00	0.01	0.00	0.00	0.00	0.00
State=Nevada	0.01	0.00	0.00	0.00	0.00	0.01
State>New Hampshire	0.00	0.00	0.00	0.00	0.00	0.00
State>New Jersey	0.01	0.01	-0.00	-0.00	0.02	0.01
State>New Mexico	0.00	0.01	-0.00	-0.00	0.00	0.00
State>New York	0.12	0.11	0.00	0.00	0.12	0.11
State=North Carolina	0.02	0.03	0.00	0.00	0.03	0.02
State=North Dakota	0.00	0.00	-0.00	-0.00	0.00	-0.00
State=Ohio	0.04	0.05	0.00	0.00	0.05	0.05
State=Oklahoma	0.01	0.01	0.00	0.00	0.01	0.00
State=Oregon	0.01	0.01	-0.00	-0.00	0.01	0.02
State=Pennsylvania	0.06	0.04	0.00	0.00	0.07	0.06
State=Rhode Island	0.01	0.00	0.00	0.00	0.01	0.00
State=South Carolina	0.00	0.01	0.00	0.00	0.00	0.01
State=South Dakota	-0.00	0.00	0.00	0.00	0.00	0.00
State=Tennessee	0.01	0.02	0.00	0.00	0.02	0.02
State=Texas	0.09	0.07	0.00	0.00	0.08	0.08
State=Utah	0.01	0.00	0.00	0.00	0.00	0.01
State=Vermont	0.00	0.00	-0.00	-0.00	0.00	0.00
State=Virginia	0.02	0.02	-0.00	-0.00	0.01	0.03
State=Washington	0.06	0.05	0.00	0.00	0.06	0.04
State=West Virginia	-0.00	-0.00	0.00	1.00	0.00	0.00
State=Wisconsin	0.02	0.02	0.00	0.00	0.01	0.01
State=Wyoming	-0.00	0.00	1.00	0.00	0.00	0.00
Sub_Category=Accessories	0.07	0.08	-0.00	-0.00	0.08	0.08
Sub_Category=Appliances	0.04	0.04	0.00	0.00	0.04	0.04
Sub_Category=Art	0.00	0.11	0.00	0.00	0.08	0.09
Sub_Category=Binders	0.05	0.17	-0.00	0.50	0.13	0.13
Sub_Category=Bookcases	0.07	0.01	-0.00	-0.00	0.02	0.02
Sub_Category=Chairs	0.25	0.02	1.00	-0.00	0.06	0.05
Sub_Category=Envelopes	0.00	0.03	0.00	0.00	0.02	0.03
Sub_Category=Fasteners	0.00	0.03	0.00	0.00	0.02	0.03
Sub_Category=Furnishings	0.03	0.09	0.00	0.00	0.11	0.11
Sub_Category=Labels	0.00	0.05	0.00	0.00	0.04	0.04
Sub_Category=Machines	0.04	0.00	-0.00	-0.00	0.01	0.01
Sub_Category=Paper	0.00	0.19	0.00	0.25	0.15	0.15
Sub_Category=Phones	0.20	0.06	-0.00	-0.00	0.09	0.09
Sub_Category=Storage	0.11	0.08	0.00	0.00	0.09	0.09
Sub_Category=Supplies	0.01	0.02	0.00	0.00	0.02	0.02
Sub_Category=Tables	0.15	0.01	0.00	0.25	0.03	0.02

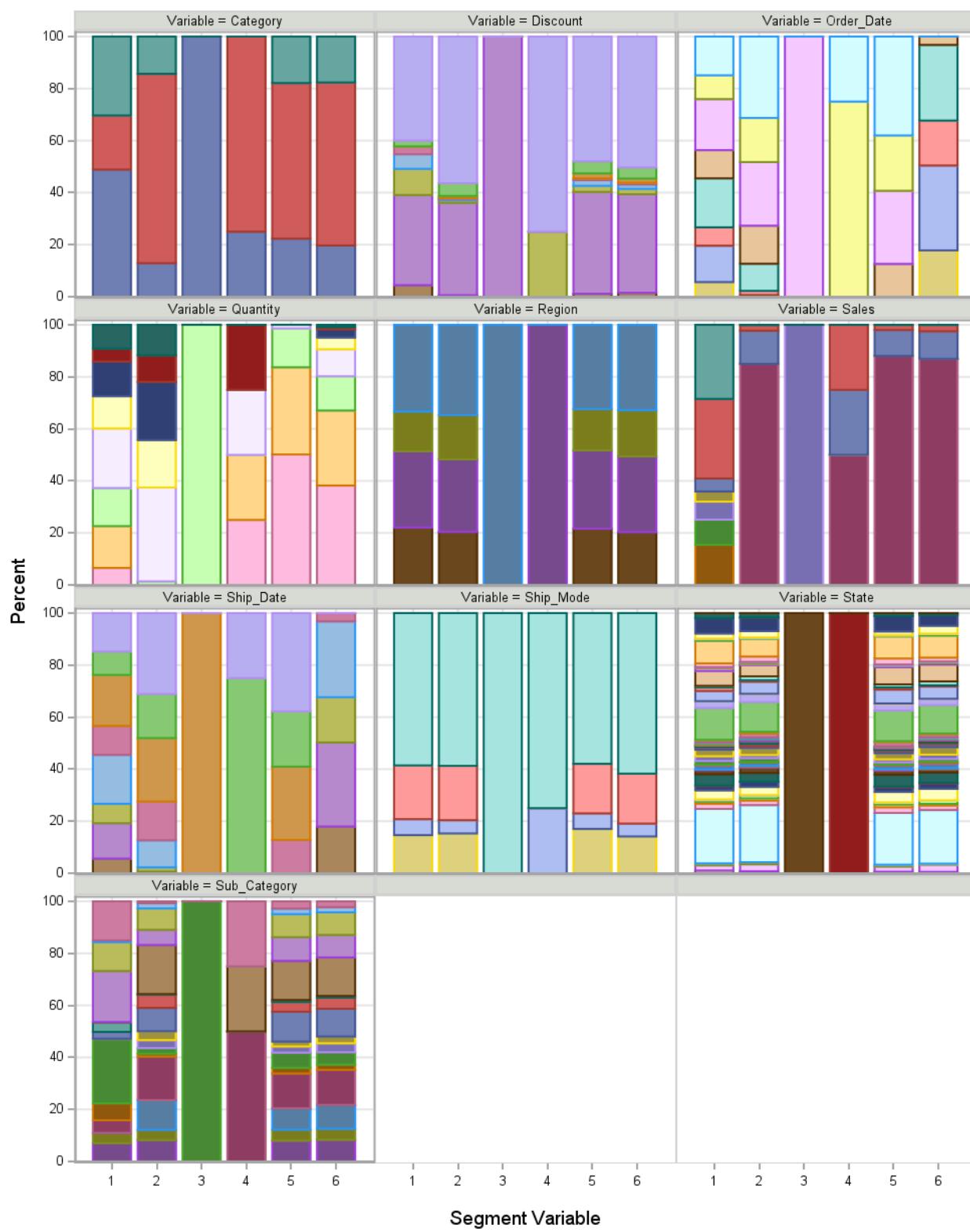
SAS Enterprise Miner Report
Node=Centroid Clustering
Segment Size



SAS Enterprise Miner Report
Node=Centroid Clustering
Tree Diagram



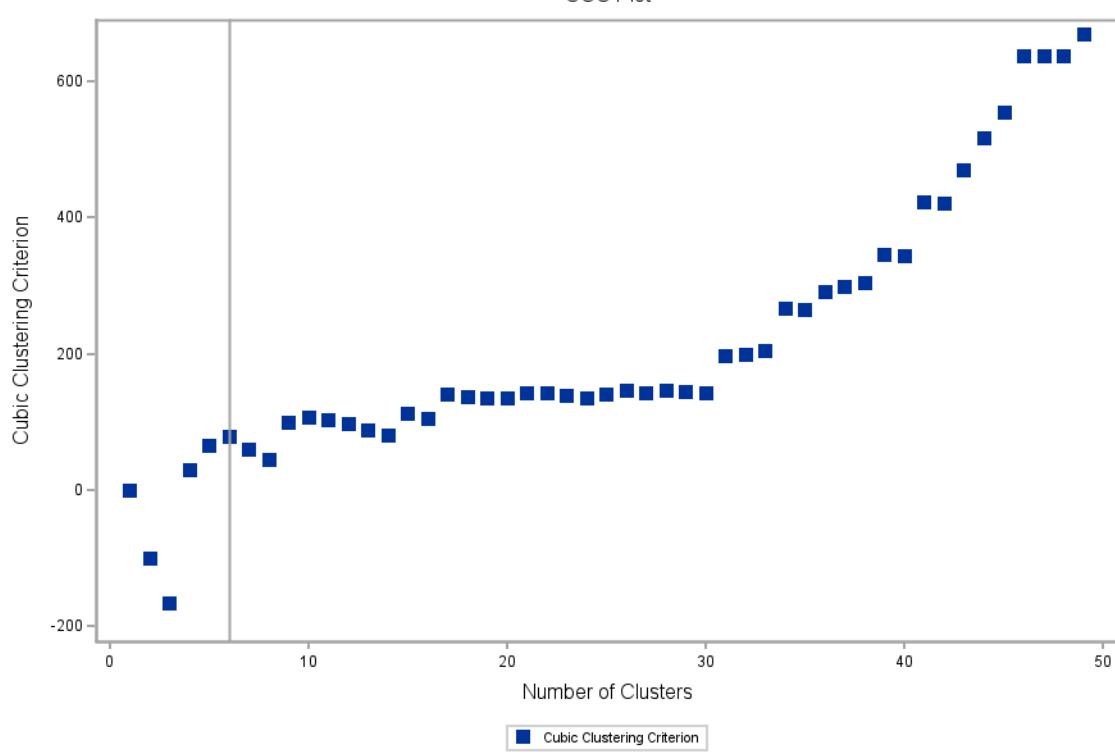
SAS Enterprise Miner Report
Node=Centroid Clustering
Segment Plot



SAS Enterprise Miner Report

Node=Centroid Clustering

CCC Plot



SAS Enterprise Miner Report

Node=Ward Clustering k=5 Summary

Node id = Clus2
 Node label = Ward Clustering k=5
 Meta path = Ids => Filter => Varsel => Clus2
 Notes =

Node=Ward Clustering k=5 Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Y		MissingOrdinal	DEFAULT	
AutomaticMethod	WARD		ImputationMethod	NONE		NominalEncoding	GLM	
AutomaticMinNum	2		Initial	DEFAULT		NumberClusterMethod	USER	AUTOMATIC
Bins	100		Learn	.		OrdinalEncoding	RANK	
CCCCutOff	3		LearnFinal	0.02		Radius	0	
ClusterGraphs	Y		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	5	10	TrainDefaults	Y	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Y	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

Node=Ward Clustering k=5 Variable Summary

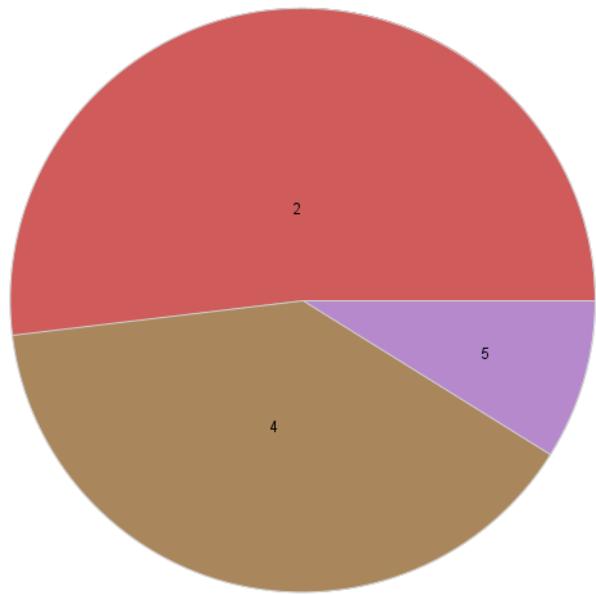
Role	Level	Frequency Count	Name
INPUT	INTERVAL	5	Discount Order_Date Quantity Sales Ship_Date
INPUT	NOMINAL	6	Category Country Region Ship_Mode State Sub_Category
ID	NOMINAL	4	Customer_ID Order_ID Product_ID Row_ID

Node=Ward Clustering k=5 Mean Statistics

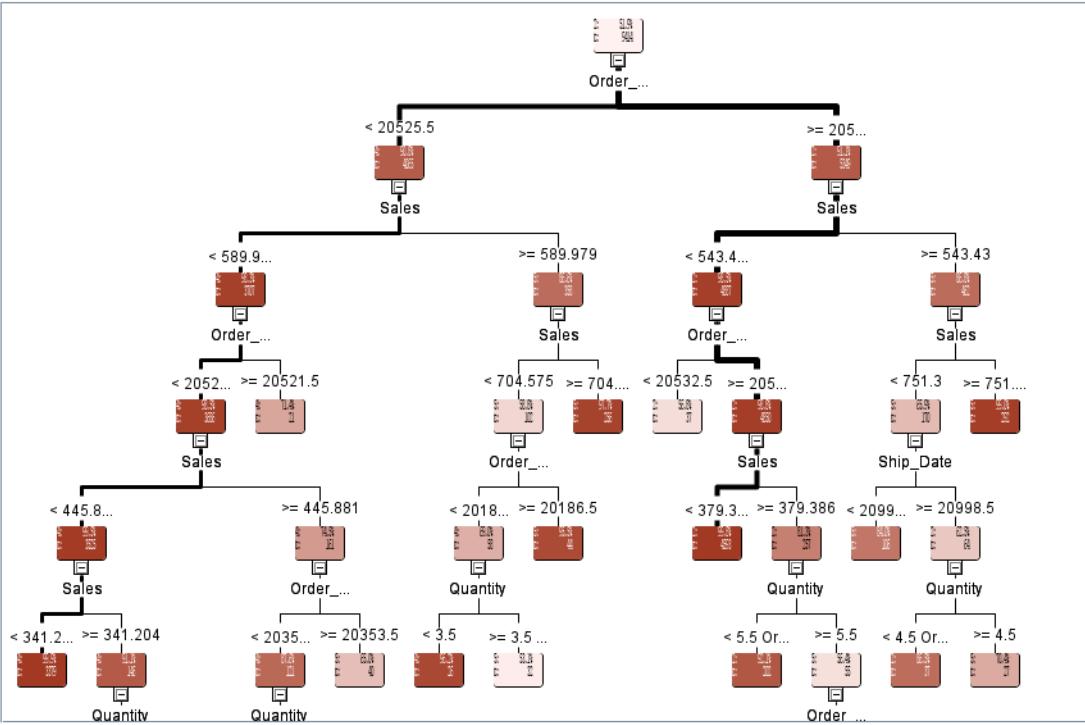
Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
Clustering Criterion	0.31	0.31	0.31	0.31	0.31
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion
Frequency of Cluster	1.00	4882.00	4.00	3707.00	820.00
Root-Mean-Square Standard Deviation	.	0.30	0.29	0.30	0.36
Maximum Distance from Cluster Seed	0.00	6.50	3.21	6.35	5.87
Nearest Cluster	5.00	4.00	2.00	2.00	2.00
Distance to Nearest Cluster	14.16	2.52	7.11	2.52	3.33
Discount	0.20	0.14	0.08	0.13	0.15
Order_Date	20765.00	20899.29	21019.25	20151.71	20561.94
Quantity	4.00	3.51	4.50	3.46	5.45
Sales	1603.14	100.98	302.46	107.50	952.70
Ship_Date	20770.00	20903.22	21022.25	20155.70	20565.85
Category=Furniture	1.00	0.19	0.25	0.20	0.48
Category=Office Supplies	0.00	0.64	0.75	0.63	0.22
Category=Technology	0.00	0.17	0.00	0.17	0.30
Region=Central	0.00	0.21	0.00	0.20	0.23
Region=East	0.00	0.29	1.00	0.29	0.29
Region=South	-0.00	0.16	-0.00	0.18	0.15
Region=West	1.00	0.33	-0.00	0.33	0.34
Ship_Mode=First Class	0.00	0.17	0.00	0.14	0.15
Ship_Mode=Same Day	0.00	0.06	0.25	0.05	0.06
Ship_Mode=Second Class	0.00	0.20	0.00	0.19	0.20
Ship_Mode=Standard Class	1.00	0.58	0.75	0.62	0.59
State=Alabama	0.00	0.01	0.00	0.01	0.01
State=Arizona	-0.00	0.02	-0.00	0.03	0.02

Variable	Segment				
	Segment 1	2	Segment 3	Segment 4	Segment 5
State=Arkansas	0.00	0.01	0.00	0.00	0.01
State=California	-0.00	0.21	-0.00	0.20	0.21
State=Colorado	0.00	0.02	0.00	0.02	0.02
State=Connecticut	0.00	0.01	0.00	0.01	0.01
State=Delaware	-0.00	0.01	-0.00	0.01	0.01
State=District of Columbia	-0.00	0.00	-0.00	0.00	0.00
State=Florida	0.00	0.04	0.00	0.04	0.04
State=Georgia	0.00	0.02	0.00	0.02	0.02
State=Idaho	0.00	0.00	0.00	0.00	0.00
State=Illinois	0.00	0.04	0.00	0.04	0.04
State=Indiana	-0.00	0.02	-0.00	0.01	0.02
State=Iowa	0.00	0.00	0.00	0.00	0.00
State=Kansas	0.00	0.00	0.00	0.00	-0.00
State=Kentucky	0.00	0.01	0.00	0.02	0.01
State=Louisiana	0.00	0.00	0.00	0.01	0.00
State>Maine	-0.00	0.00	-0.00	0.00	0.00
State=Maryland	-0.00	0.01	-0.00	0.01	0.01
State=Massachusetts	-0.00	0.01	-0.00	0.02	0.01
State=Michigan	-0.00	0.02	-0.00	0.03	0.03
State=Minnesota	0.00	0.01	0.00	0.01	0.01
State=Mississippi	0.00	0.01	0.00	0.01	0.00
State=Missouri	-0.00	0.01	-0.00	0.01	0.01
State=Montana	-0.00	0.00	-0.00	0.00	0.00
State=Nebraska	0.00	0.00	0.00	0.00	-0.00
State=Nevada	0.00	0.00	0.00	0.01	0.01
State>New Hampshire	0.00	0.00	0.00	0.00	0.00
State>New Jersey	-0.00	0.02	-0.00	0.01	0.01
State>New Mexico	-0.00	0.01	-0.00	0.00	0.00
State>New York	0.00	0.12	0.00	0.11	0.13
State=North Carolina	0.00	0.03	0.00	0.02	0.03
State=North Dakota	-0.00	0.00	-0.00	-0.00	0.00
State=Ohio	0.00	0.05	0.00	0.05	0.04
State=Oklahoma	0.00	0.01	0.00	0.00	0.01
State=Oregon	-0.00	0.01	-0.00	0.02	0.01
State=Pennsylvania	0.00	0.06	0.00	0.07	0.05
State=Rhode Island	0.00	0.01	0.00	0.00	0.01
State=South Carolina	0.00	0.00	0.00	0.01	0.00
State=South Dakota	0.00	0.00	0.00	0.00	-0.00
State=Tennessee	0.00	0.02	0.00	0.02	0.01
State=Texas	0.00	0.08	0.00	0.08	0.09
State=Utah	0.00	0.00	0.00	0.01	0.01
State=Vermont	-0.00	0.00	-0.00	0.00	0.00
State=Virginia	-0.00	0.02	-0.00	0.03	0.02
State=Washington	0.00	0.06	0.00	0.04	0.06
State=West Virginia	0.00	0.00	1.00	0.00	-0.00
State=Wisconsin	0.00	0.01	0.00	0.01	0.02
State=Wyoming	1.00	0.00	0.00	0.00	-0.00
Sub_Category=Accessories	-0.00	0.08	-0.00	0.08	0.08
Sub_Category=Appliances	0.00	0.04	0.00	0.04	0.04
Sub_Category=Art	0.00	0.09	0.00	0.09	0.00
Sub_Category=Binders	-0.00	0.15	0.50	0.14	0.05
Sub_Category=Bookcases	-0.00	0.02	-0.00	0.02	0.07
Sub_Category=Chairs	1.00	0.05	-0.00	0.05	0.24
Sub_Category=Envelopes	0.00	0.02	0.00	0.04	0.00
Sub_Category=Fasteners	0.00	0.02	0.00	0.03	0.00
Sub_Category=Furnishings	0.00	0.11	0.00	0.11	0.03
Sub_Category=Labels	0.00	0.04	0.00	0.04	0.00
Sub_Category=Machines	-0.00	0.01	-0.00	0.01	0.04
Sub_Category=Paper	0.00	0.16	0.25	0.15	0.01
Sub_Category=Phones	-0.00	0.08	-0.00	0.08	0.19
Sub_Category=Storage	0.00	0.09	0.00	0.09	0.11
Sub_Category=Supplies	0.00	0.02	0.00	0.02	0.01
Sub_Category=Tables	0.00	0.02	0.25	0.02	0.14

SAS Enterprise Miner Report
Node=Ward Clustering k=5
Segment Size



SAS Enterprise Miner Report
Node=Ward Clustering k=5
Tree Diagram



SAS Enterprise Miner Report
Node=Ward Clustering k=5
Segment Plot

