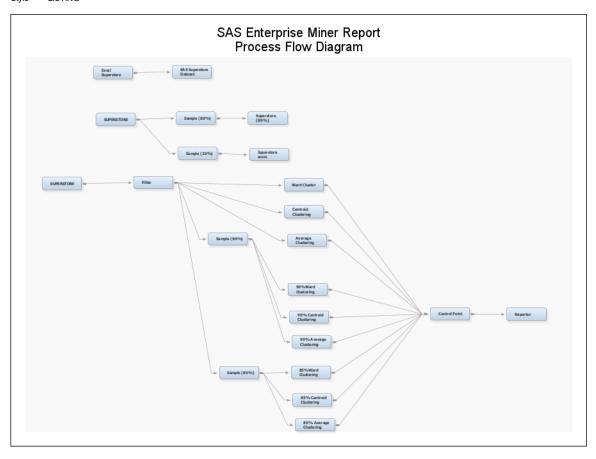
User = tboll4 Date = 17:44:28 May 13 Project = DatavizSuperstore Diagram = Dataviz.ExploratoryAnalysis

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

Format = PDF Style = LISTING



Node=SUPERSTORE Summary

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

Node=SUPERSTORE Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	tboll4		NBytes	3671040	
ApplyIntervalLevelLowerLimit	Y		Dsld	superstore		NCols	21	
ApplyMaxClassLevels	Y		DsModifiedBy	tboll4		NObs	9994	
ApplyMaxPercentMissing	Y		DsModifyDate	1998814780.1		NewTable		
CMeta	WORK.M1671EXK		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Υ		DsSampleSizeType			Role	RAW	TRAIN
Data	STDATA.SUPERSTORE_TRAIN		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Υ		SampleSizeObs	10000	
DataSource	superstore		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	STDATA		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Υ		MaxPercentMissing	50		Segment		
DsCreateDate	1998814779.8		MetaAdvisor	BASIC		Table	SUPERSTORE_TRAIN	

Node=SUPERSTORE Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	SUPERSTORE_TRAIN	Date Created	04May2023:10:15:41	Data Size	3671040
Data Type	DATA	Date Modified	04May2023:10:15:41	Role	RAW
Data Label		Number Rows	9994	Segment	
Engine	BASE	Number Columns	21	Data Library	STDATA

Node=SUPERSTORE Variables List

Name	Label	Role	Level	Туре	Length	Format	Creator
Category	Category	INPUT	NOMINAL	С	15	\$15.	
City	City	REJECTED	NOMINAL	С	17	\$17.	
Country	Country	REJECTED	NOMINAL	С	13	\$13.	
CustomerID	CustomerID	REJECTED	NOMINAL	С	8	\$8.	
CustomerName	CustomerName	REJECTED	NOMINAL	С	22	\$22.	
Discount	Discount	INPUT	INTERVAL	N	8	BEST.	
OrderDate	OrderDate	REJECTED	INTERVAL	N	8	MMDDYY10.0	
OrderID	OrderID	REJECTED	NOMINAL	С	14	\$14.	
PostalCode	PostalCode	REJECTED	INTERVAL	N	8	BEST.	
ProductID	ProductID	ID	NOMINAL	С	15	\$15.	
ProductName	ProductName	REJECTED	NOMINAL	С	127	\$127.	

Name	Label	Role	Level	Туре	Length	Format	Creator
Profit	Profit	REJECTED	INTERVAL	N	8	BEST.	
Quantity	Quantity	INPUT	INTERVAL	N	8	BEST.	
Region	Region	INPUT	NOMINAL	С	7	\$7.	
RowID	RowID	REJECTED	INTERVAL	N	8	BEST.	
Sales	Sales	INPUT	INTERVAL	N	8	BEST.	
Segment	Segment	SEGMENT	NOMINAL	С	11	\$11.	
ShipDate	ShipDate	INPUT	INTERVAL	N	8	MMDDYY10.0	
ShipMode	ShipMode	INPUT	NOMINAL	С	14	\$14.	
State	State	REJECTED	NOMINAL	С	20	\$20.	
SubCategory	SubCategory	INPUT	NOMINAL	С	11	\$11.	

Node=Filter Summary

Node id = Filter Node label = Filter Meta path = Ids2 => Filter Notes =

Node=Filter Properties

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

Node=Filter Variable Summary

Role	Level	Frequency Count	Name
SEGMENT	NOMINAL	1	Segment
REJECTED	INTERVAL	4	OrderDate PostalCode Profit RowID
REJECTED	NOMINAL	7	City Country CustomerID CustomerName OrderID ProductName State
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory

Node=Filter Excluded Class Values

Variable	Role	Level	Train Count	Train Percent	Label	Filter Method
SubCategory	INPUT	COPIERS	68	0.68041	SubCategory	MINPCT

Node=Filter Limits for Interval Variables

Variable	Role	Minimum	Maximum	Filter Method	Keep Missing Values	Label
Discount	INPUT	-0.46	0.78	STDDEV	Υ	Discount
Quantity	INPUT	-2.89	10.46	STDDEV	Υ	Quantity
Sales	INPUT	-1639.88	2099.59	STDDEV	Υ	Sales
ShipDate	INPUT	19316.60	21839.33	STDDEV	Υ	ShipDate

Node=Sample (85%) Summary

Node id = Smpl3 Node label = Sample (85%) Meta path = Ids2 => Filter => Smpl3 Notes =

Node=Sample (85%) Properties

Property	Value	Default Property		Value	Default	Property	Value	Default
Component	Sample		IgnoreSmallStrata			OutputType	DATA	
AdjustFreq	N		IntervalDistribution	Υ		Pvalue	0.01	
Alpha	0.01		LevelProportion	100		RandomSeed	12345	
ClassDistribution	Υ		LevelSampleProportion	50		SizeObs		
ClusterMethod	RANDOM		LevelSelection	EVENT		SizePercent	85	10
FreqCount	N		Method	DEFAULT		SizeType	PERCENT	
FreqMiss	N		MinStrataSize	5		StratifyCriterion	PROPORTIONAL	

Node=Sample (85%) Variable Summary

Role	Level	Frequency Count	Name
SEGMENT	NOMINAL	1	Segment
REJECTED	INTERVAL	4	OrderDate PostalCode Profit RowID
REJECTED	NOMINAL	7	City Country CustomerID CustomerName OrderID ProductName State
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	NOMINAL	1	ProductID

Node=Sample (90%) Summary

Node id = Smpl4 Node label = Sample (90%) Meta path = Ids2 => Filter => Smpl4 Notes =

Node=Sample (90%) Properties

Property	Value	Default Property		Value	Default	Property	Value	Default
Component	Sample		IgnoreSmallStrata			OutputType	DATA	
AdjustFreq	N		IntervalDistribution	Υ		Pvalue	0.01	
Alpha	0.01		LevelProportion	100		RandomSeed	12345	
ClassDistribution	Υ		LevelSampleProportion	50		SizeObs		
ClusterMethod	RANDOM		LevelSelection	EVENT		SizePercent	90	10
FreqCount	N		Method	DEFAULT		SizeType	PERCENT	
FreqMiss	N		MinStrataSize	5		StratifyCriterion	PROPORTIONAL	

Node=Sample (90%) Variable Summary

Role	Level	Frequency Count	Name
SEGMENT	NOMINAL	1	Segment
REJECTED	INTERVAL	4	OrderDate PostalCode Profit RowID
REJECTED	NOMINAL	7	City Country CustomerID CustomerName OrderID ProductName State
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	NOMINAL	1	ProductID

Node=85% Average Clustering Summary

Node id = Clus9 Node label = 85% Average Clustering Meta path = Ids2 => Filter => Smpl3 => Clus9 Notes =

Node=85% Average Clustering Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Υ		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	Υ		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	10		TrainDefaults	Υ	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Υ	
DistancePlot	Y		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

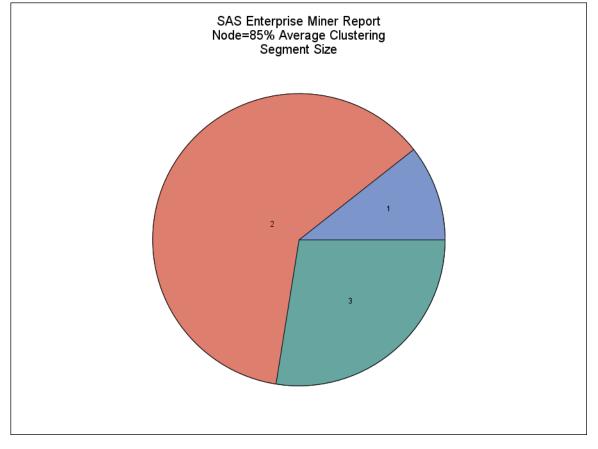
Node=85% Average Clustering Variable Summary

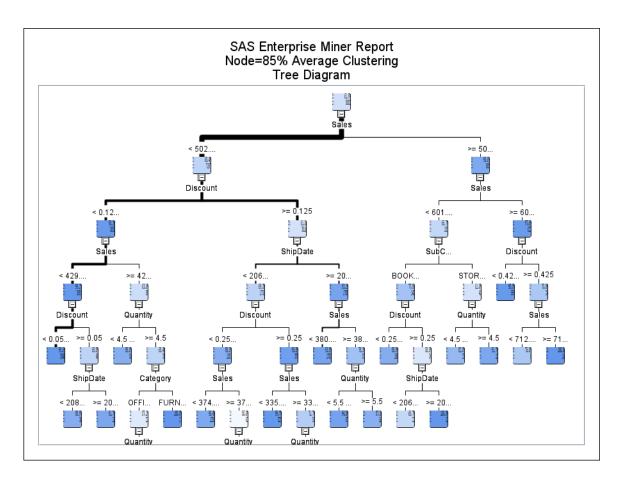
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ProductID

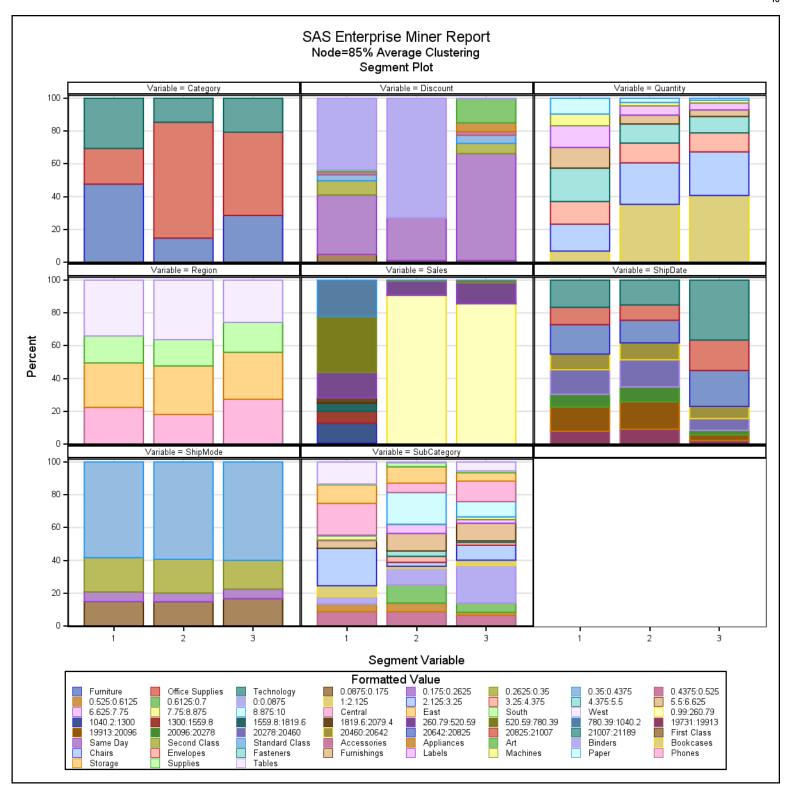
Node=85% Average Clustering Mean Statistics

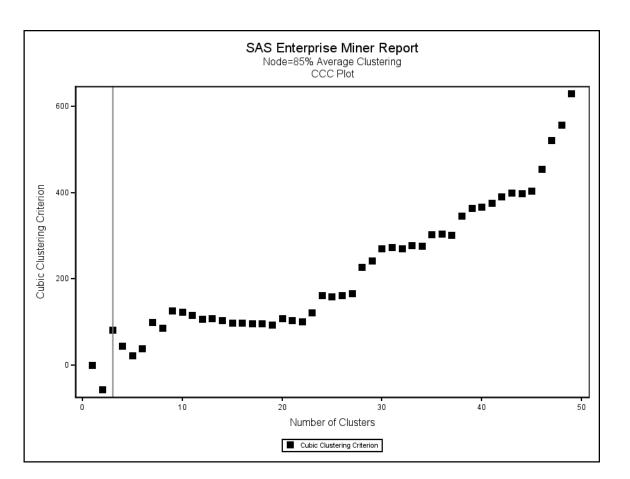
Variable	Segment 1	Segment 2	Segment 3
Clustering Criterion	0.46	0.46	0.46
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00
Improvement in Clustering Criterion			
Frequency of Cluster	840.00	4956.00	2206.00
Root-Mean-Square Standard Deviation	0.54	0.44	0.47
Maximum Distance from Cluster Seed	5.50	4.10	5.14
Nearest Cluster	2.00	3.00	2.00
Distance to Nearest Cluster	3.00	1.77	1.77
Discount	0.14	0.05	0.32
Quantity	5.34	3.55	3.24
Sales	875.86	87.04	109.96
ShipDate	20531.35	20482.34	20814.97

Variable	Segment 1	Segment 2	Segment 3
Category=Furniture	0.48	0.15	0.29
Category=Office Supplies	0.22	0.71	0.51
Category=Technology	0.31	0.15	0.21
Region=Central	0.22	0.18	0.27
Region=East	0.27	0.30	0.29
Region=South	0.16	0.16	0.18
Region=West	0.34	0.36	0.26
ShipMode=First Class	0.15	0.15	0.17
ShipMode=Same Day	0.06	0.05	0.06
ShipMode=Second Class	0.21	0.21	0.17
ShipMode=Standard Class	0.58	0.59	0.60
SubCategory=Accessories	0.09	0.09	0.07
SubCategory=Appliances	0.05	0.05	0.02
SubCategory=Art	0.00	0.11	0.06
SubCategory=Binders	0.05	0.10	0.23
SubCategory=Bookcases	0.07	0.01	0.03
SubCategory=Chairs	0.23	0.02	0.09
SubCategory=Envelopes	0.00	0.04	0.02
SubCategory=Fasteners	-0.00	0.03	0.01
SubCategory=Furnishings	0.05	0.11	0.11
SubCategory=Labels	0.00	0.05	0.02
SubCategory=Machines	0.02	0.00	0.02
SubCategory=Paper	0.00	0.19	0.09
SubCategory=Phones	0.19	0.06	0.13
SubCategory=Storage	0.11	0.10	0.05
SubCategory=Supplies	0.00	0.02	0.01
SubCategory=Tables	0.13	0.00	0.05









Node=85% Centroid Clustering Summary

Node id = Clus8 Node label = 85% Centroid Clustering Meta path = Ids2 => Filter => Smpl3 => Clus8 Notes =

Node=85% Centroid Clustering Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Cluster		FinalMaxNum	20		MissingNominal	DEFAULT	
AutomaticMaxNum	50		HideVariable	Υ		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	Υ		LearnInitial	0.5		Stdize	STD	
Clusvar	_SEGMENT_		LearnSteps	1000		Summary	N	
ClusvarLabel	Segment Variable		MaxC	10		TrainDefaults	Υ	
ClusvarRole	SEGMENT		MaxIter	10		TreeProfile	Υ	
DistancePlot	Υ		MaxSteps	1200		XConv	0.0001	
Drift	N		MissingInterval	DEFAULT				

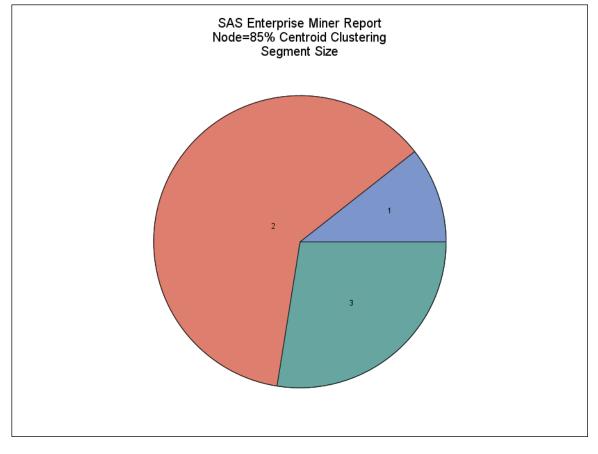
Node=85% Centroid Clustering Variable Summary

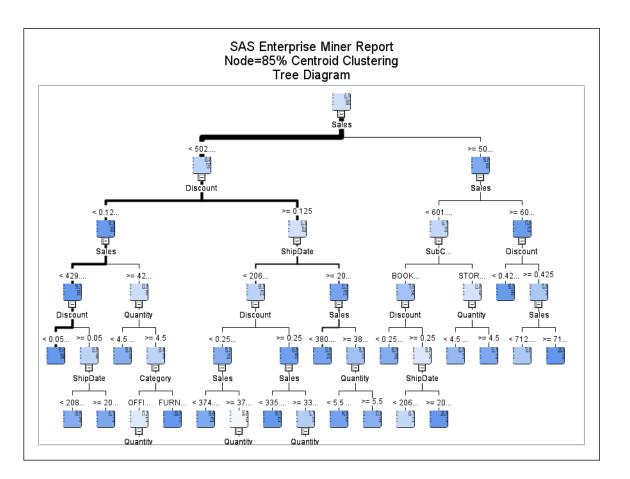
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ProductID

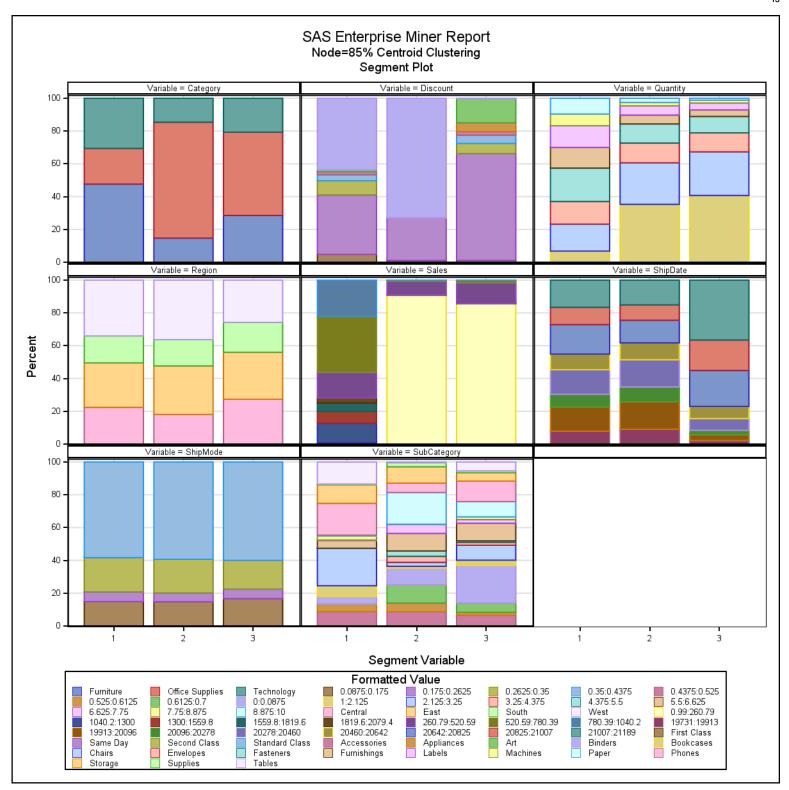
Node=85% Centroid Clustering Mean Statistics

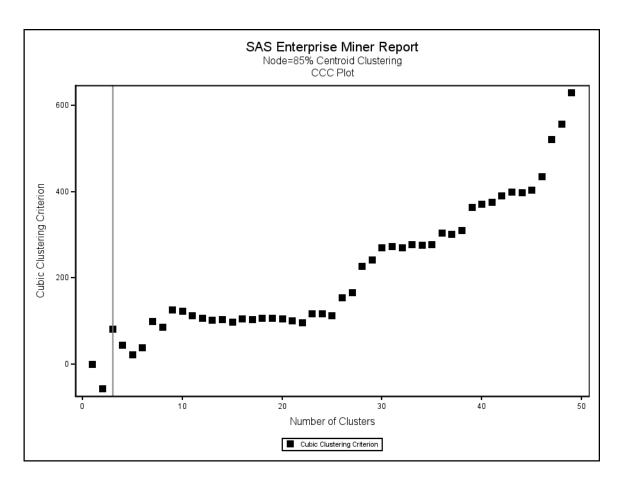
Variable	Segment 1	Segment 2	Segment 3
Clustering Criterion	0.46	0.46	0.46
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00
Improvement in Clustering Criterion			
Frequency of Cluster	840.00	4956.00	2206.00
Root-Mean-Square Standard Deviation	0.54	0.44	0.47
Maximum Distance from Cluster Seed	5.50	4.10	5.14
Nearest Cluster	2.00	3.00	2.00
Distance to Nearest Cluster	3.00	1.77	1.77
Discount	0.14	0.05	0.32
Quantity	5.34	3.55	3.24
Sales	875.86	87.04	109.96
ShipDate	20531.35	20482.34	20814.97

Variable	Segment 1	Segment 2	Segment 3
Category=Furniture	0.48	0.15	0.29
Category=Office Supplies	0.22	0.71	0.51
Category=Technology	0.31	0.15	0.21
Region=Central	0.22	0.18	0.27
Region=East	0.27	0.30	0.29
Region=South	0.16	0.16	0.18
Region=West	0.34	0.36	0.26
ShipMode=First Class	0.15	0.15	0.17
ShipMode=Same Day	0.06	0.05	0.06
ShipMode=Second Class	0.21	0.21	0.17
ShipMode=Standard Class	0.58	0.59	0.60
SubCategory=Accessories	0.09	0.09	0.07
SubCategory=Appliances	0.05	0.05	0.02
SubCategory=Art	0.00	0.11	0.06
SubCategory=Binders	0.05	0.10	0.23
SubCategory=Bookcases	0.07	0.01	0.03
SubCategory=Chairs	0.23	0.02	0.09
SubCategory=Envelopes	0.00	0.04	0.02
SubCategory=Fasteners	-0.00	0.03	0.01
SubCategory=Furnishings	0.05	0.11	0.11
SubCategory=Labels	0.00	0.05	0.02
SubCategory=Machines	0.02	0.00	0.02
SubCategory=Paper	0.00	0.19	0.09
SubCategory=Phones	0.19	0.06	0.13
SubCategory=Storage	0.11	0.10	0.05
SubCategory=Supplies	0.00	0.02	0.01
SubCategory=Tables	0.13	0.00	0.05









Node=85%Ward Clustering Summary

Node id = Clus5 Node label = 85%Ward Clustering Meta path = Ids2 => Filter => Smpl3 => Clus5 Notes =

Node=85%Ward Clustering Properties

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

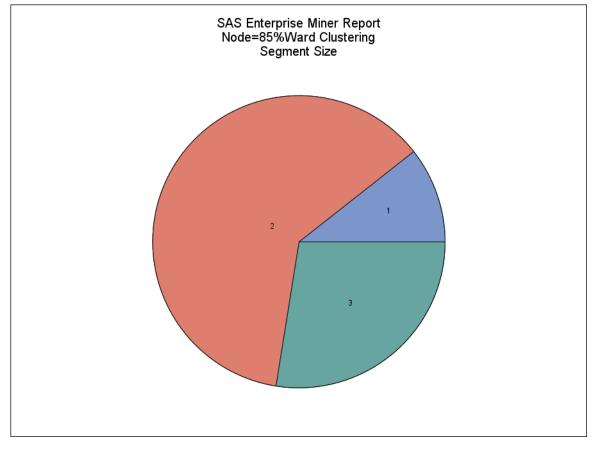
Node=85%Ward Clustering Variable Summary

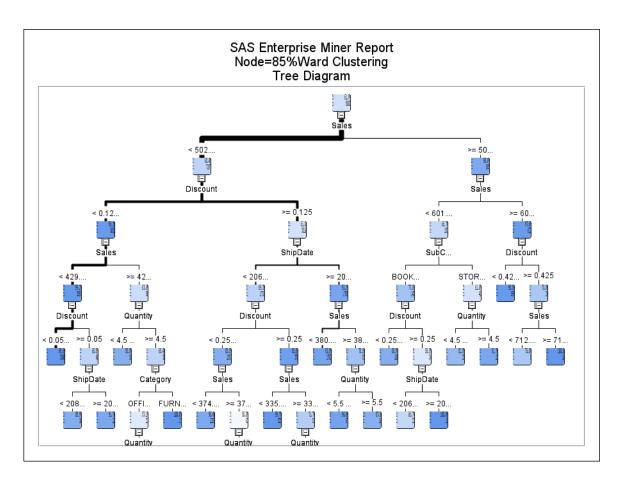
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ProductID

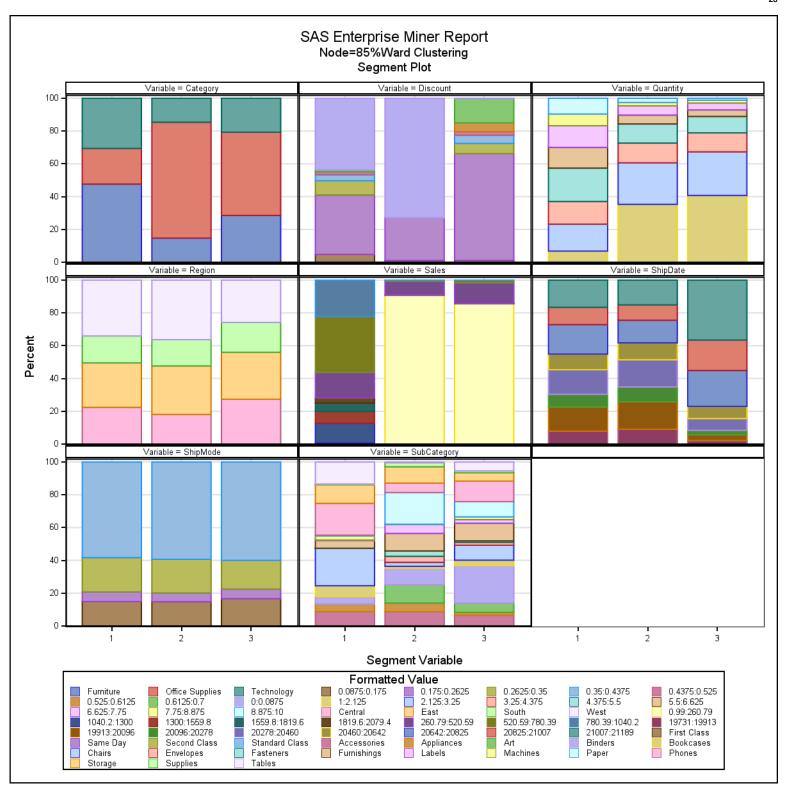
Node=85%Ward Clustering Mean Statistics

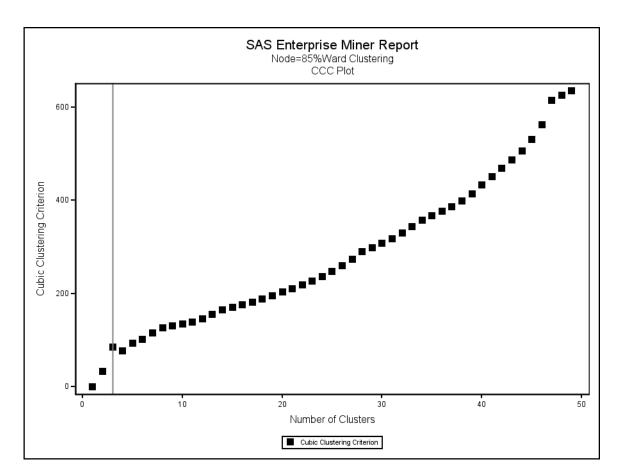
Variable	Segment 1	Segment 2	Segment 3
Clustering Criterion	0.46	0.46	0.46
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00
Improvement in Clustering Criterion			
Frequency of Cluster	840.00	4956.00	2206.00
Root-Mean-Square Standard Deviation	0.54	0.44	0.47
Maximum Distance from Cluster Seed	5.50	4.10	5.14
Nearest Cluster	2.00	3.00	2.00
Distance to Nearest Cluster	3.00	1.77	1.77
Discount	0.14	0.05	0.32
Quantity	5.34	3.55	3.24
Sales	875.86	87.04	109.96
ShipDate	20531.35	20482.34	20814.97

Variable	Segment 1	Segment 2	Segment 3
Category=Furniture	0.48	0.15	0.29
Category=Office Supplies	0.22	0.71	0.51
Category=Technology	0.31	0.15	0.21
Region=Central	0.22	0.18	0.27
Region=East	0.27	0.30	0.29
Region=South	0.16	0.16	0.18
Region=West	0.34	0.36	0.26
ShipMode=First Class	0.15	0.15	0.17
ShipMode=Same Day	0.06	0.05	0.06
ShipMode=Second Class	0.21	0.21	0.17
ShipMode=Standard Class	0.58	0.59	0.60
SubCategory=Accessories	0.09	0.09	0.07
SubCategory=Appliances	0.05	0.05	0.02
SubCategory=Art	0.00	0.11	0.06
SubCategory=Binders	0.05	0.10	0.23
SubCategory=Bookcases	0.07	0.01	0.03
SubCategory=Chairs	0.23	0.02	0.09
SubCategory=Envelopes	0.00	0.04	0.02
SubCategory=Fasteners	-0.00	0.03	0.01
SubCategory=Furnishings	0.05	0.11	0.11
SubCategory=Labels	0.00	0.05	0.02
SubCategory=Machines	0.02	0.00	0.02
SubCategory=Paper	0.00	0.19	0.09
SubCategory=Phones	0.19	0.06	0.13
SubCategory=Storage	0.11	0.10	0.05
SubCategory=Supplies	0.00	0.02	0.01
SubCategory=Tables	0.13	0.00	0.05









Node=90% Average Clustering Summary

Node id = Clus4 Node label = 90% Average Clustering Meta path = Ids2 => Filter => Smpl4 => Clus4 Notes =

Node=90% Average Clustering Properties

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

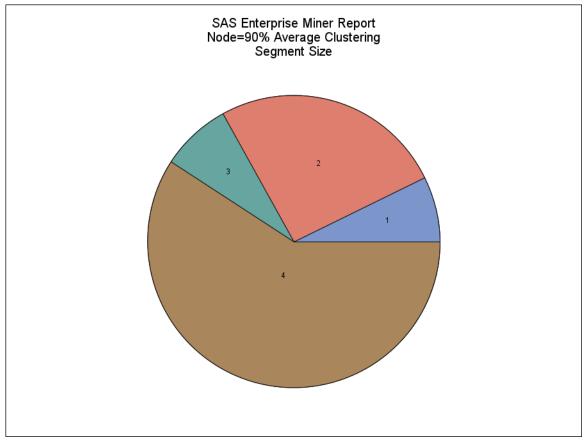
Node=90% Average Clustering Variable Summary

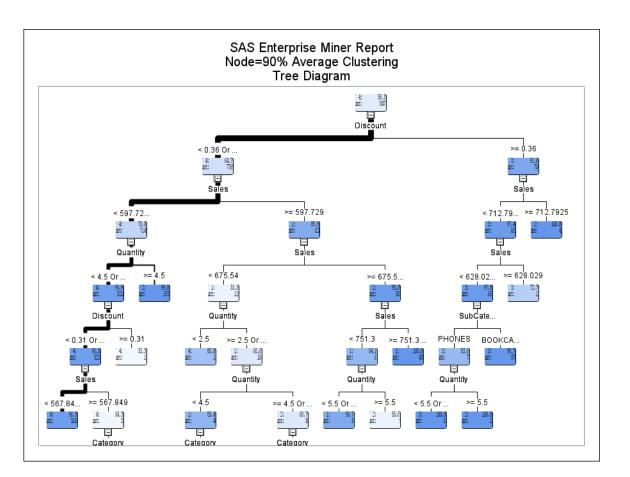
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ProductID

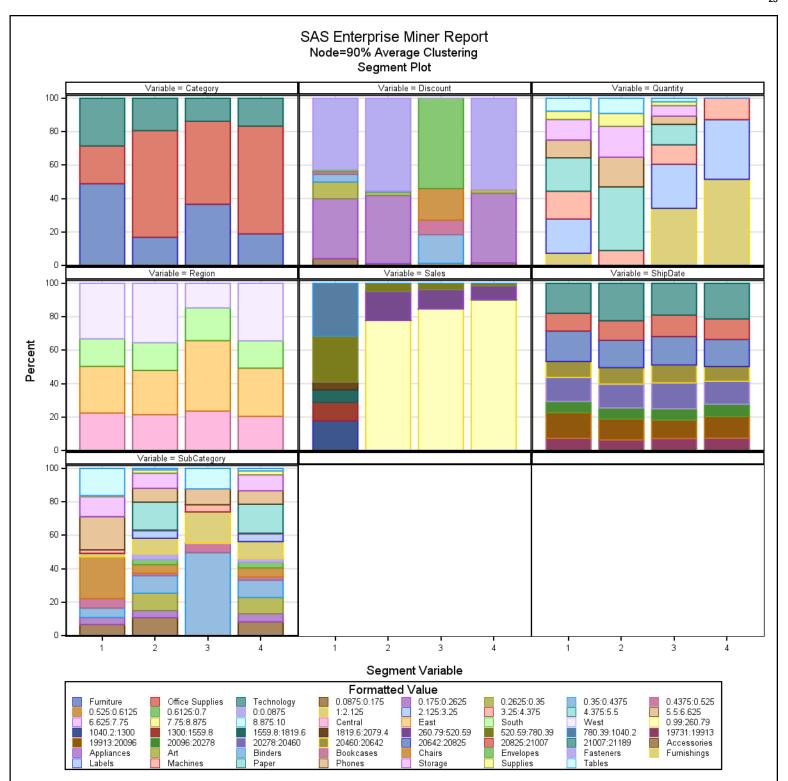
Node=90% Average Clustering Mean Statistics

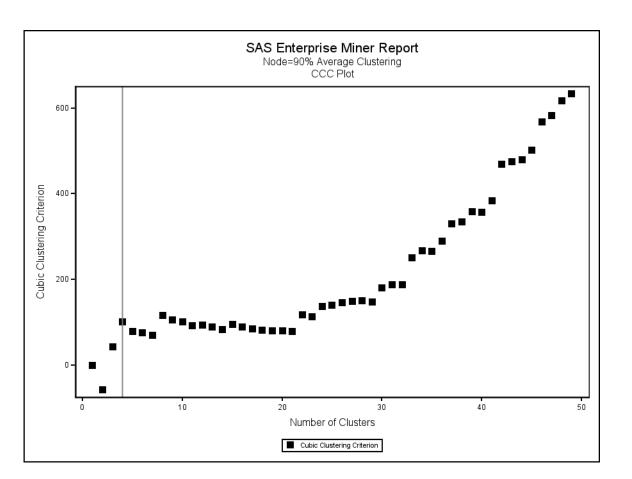
Variable	Segment 1	Segment 2	Segment 3	Segment 4
Clustering Criterion	0.44	0.44	0.44	0.44
Maximum Relative Change in Cluster Seeds	0.04	0.04	0.04	0.04
Improvement in Clustering Criterion				
Frequency of Cluster	620.00	2176.00	653.00	5024.00
Root-Mean-Square Standard Deviation	0.53	0.44	0.46	0.43
Maximum Distance from Cluster Seed	5.03	4.24	4.51	4.58
Nearest Cluster	2.00	4.00	4.00	2.00
Distance to Nearest Cluster	3.15	1.80	3.06	1.80
Discount	0.14	0.09	0.61	0.09
Quantity	5.02	6.07	3.57	2.47
Sales	1045.71	158.05	103.41	88.18
ShipDate	20547.16	20592.60	20578.89	20576.22

W - 11		Segment	0 10	Segment
Variable	Segment 1	2	Segment 3	4
Category=Furniture	0.49	0.17	0.37	0.19
Category=Office Supplies	0.23	0.64	0.50	0.64
Category=Technology	0.29	0.19	0.14	0.17
Region=Central	0.22	0.21	0.24	0.20
Region=East	0.28	0.26	0.42	0.29
Region=South	0.16	0.17	0.20	0.16
Region=West	0.33	0.36	0.15	0.34
ShipMode=First Class	0.15	0.14	0.16	0.16
ShipMode=Same Day	0.07	0.05	0.05	0.06
ShipMode=Second Class	0.21	0.19	0.17	0.20
ShipMode=Standard Class	0.57	0.62	0.63	0.58
SubCategory=Accessories	0.07	0.11	0.00	0.08
SubCategory=Appliances	0.04	0.04	0.00	0.05
SubCategory=Art	0.00	0.10	-0.00	0.10
SubCategory=Binders	0.06	0.11	0.50	0.10
SubCategory=Bookcases	0.06	0.01	0.06	0.02
SubCategory=Chairs	0.25	0.05	-0.00	0.05
SubCategory=Envelopes	-0.00	0.03	-0.00	0.03
SubCategory=Fasteners	0.00	0.03	0.00	0.02
SubCategory=Furnishings	0.02	0.09	0.19	0.10
SubCategory=Labels	0.00	0.05	-0.00	0.05
SubCategory=Machines	0.02	0.00	0.04	0.00
SubCategory=Paper	0.00	0.17	0.00	0.17
SubCategory=Phones	0.20	0.08	0.09	0.08
SubCategory=Storage	0.12	0.09	-0.00	0.10
SubCategory=Supplies	0.01	0.02	0.00	0.02
SubCategory=Tables	0.16	0.01	0.12	0.02









Node=90% Centroid Clustering Summary

Node id = Clus3 Node label = 90% Centroid Clustering Meta path = Ids2 => Filter => Smpl4 => Clus3 Notes =

Node=90% Centroid Clustering Properties

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

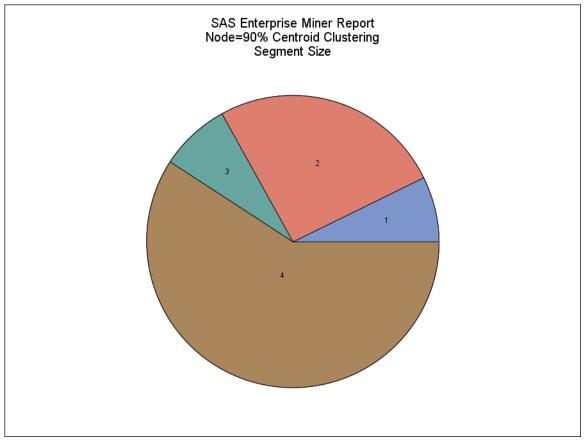
Node=90% Centroid Clustering Variable Summary

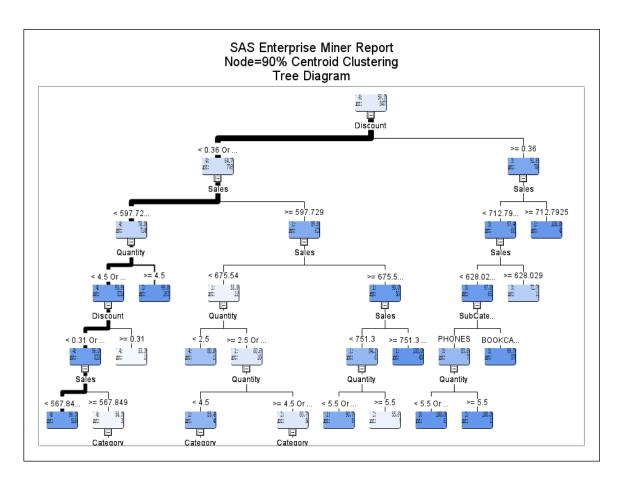
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ProductID

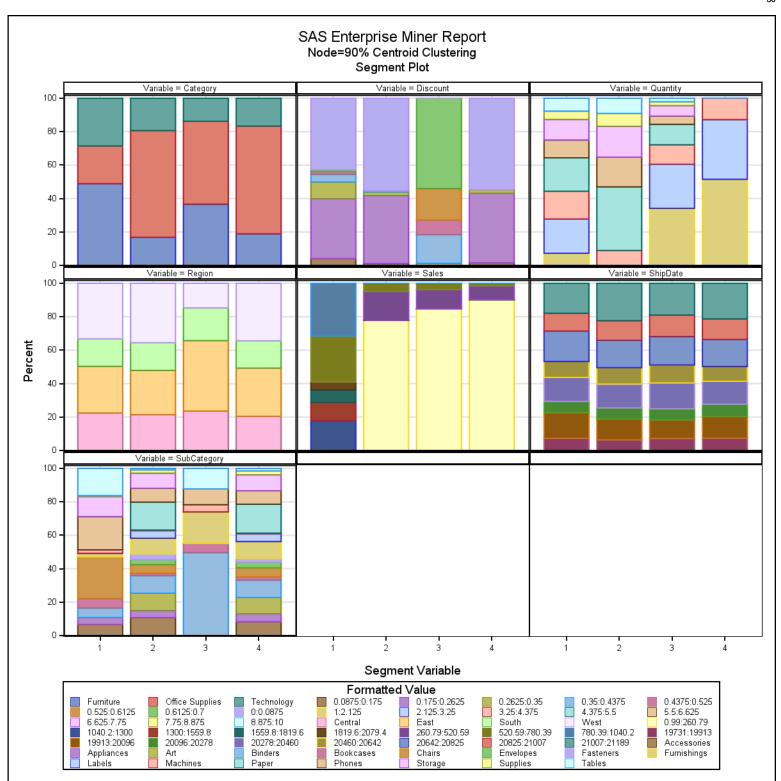
Node=90% Centroid Clustering Mean Statistics

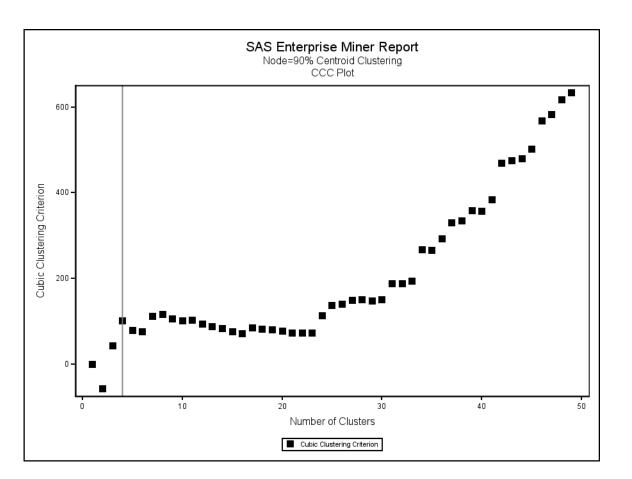
Variable	Segment 1	Segment 2	Segment 3	Segment 4
Clustering Criterion	0.44	0.44	0.44	0.44
Maximum Relative Change in Cluster Seeds	0.04	0.04	0.04	0.04
Improvement in Clustering Criterion				
Frequency of Cluster	620.00	2176.00	653.00	5024.00
Root-Mean-Square Standard Deviation	0.53	0.44	0.46	0.43
Maximum Distance from Cluster Seed	5.03	4.24	4.51	4.58
Nearest Cluster	2.00	4.00	4.00	2.00
Distance to Nearest Cluster	3.15	1.80	3.06	1.80
Discount	0.14	0.09	0.61	0.09
Quantity	5.02	6.07	3.57	2.47
Sales	1045.71	158.05	103.41	88.18
ShipDate	20547.16	20592.60	20578.89	20576.22

W - 11		Segment	0 10	Segment
Variable	Segment 1	2	Segment 3	4
Category=Furniture	0.49	0.17	0.37	0.19
Category=Office Supplies	0.23	0.64	0.50	0.64
Category=Technology	0.29	0.19	0.14	0.17
Region=Central	0.22	0.21	0.24	0.20
Region=East	0.28	0.26	0.42	0.29
Region=South	0.16	0.17	0.20	0.16
Region=West	0.33	0.36	0.15	0.34
ShipMode=First Class	0.15	0.14	0.16	0.16
ShipMode=Same Day	0.07	0.05	0.05	0.06
ShipMode=Second Class	0.21	0.19	0.17	0.20
ShipMode=Standard Class	0.57	0.62	0.63	0.58
SubCategory=Accessories	0.07	0.11	0.00	0.08
SubCategory=Appliances	0.04	0.04	0.00	0.05
SubCategory=Art	0.00	0.10	-0.00	0.10
SubCategory=Binders	0.06	0.11	0.50	0.10
SubCategory=Bookcases	0.06	0.01	0.06	0.02
SubCategory=Chairs	0.25	0.05	-0.00	0.05
SubCategory=Envelopes	-0.00	0.03	-0.00	0.03
SubCategory=Fasteners	0.00	0.03	0.00	0.02
SubCategory=Furnishings	0.02	0.09	0.19	0.10
SubCategory=Labels	0.00	0.05	-0.00	0.05
SubCategory=Machines	0.02	0.00	0.04	0.00
SubCategory=Paper	0.00	0.17	0.00	0.17
SubCategory=Phones	0.20	0.08	0.09	0.08
SubCategory=Storage	0.12	0.09	-0.00	0.10
SubCategory=Supplies	0.01	0.02	0.00	0.02
SubCategory=Tables	0.16	0.01	0.12	0.02









Node=90%Ward Clustering Summary

Node id = Clus11 Node label = 90%Ward Clustering Meta path = Ids2 => Filter => Smpl4 => Clus11 Notes =

Node=90%Ward Clustering Properties

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

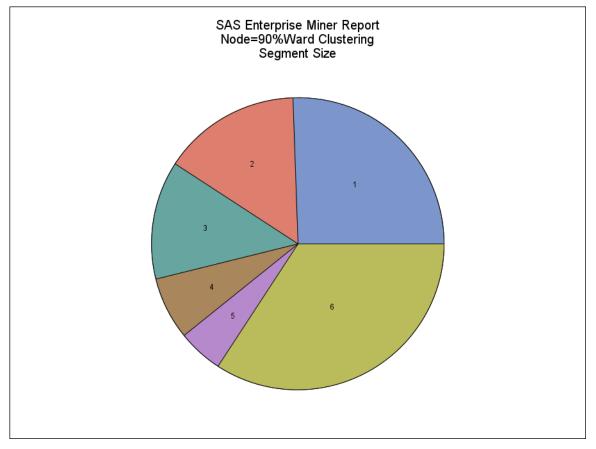
Node=90%Ward Clustering Variable Summary

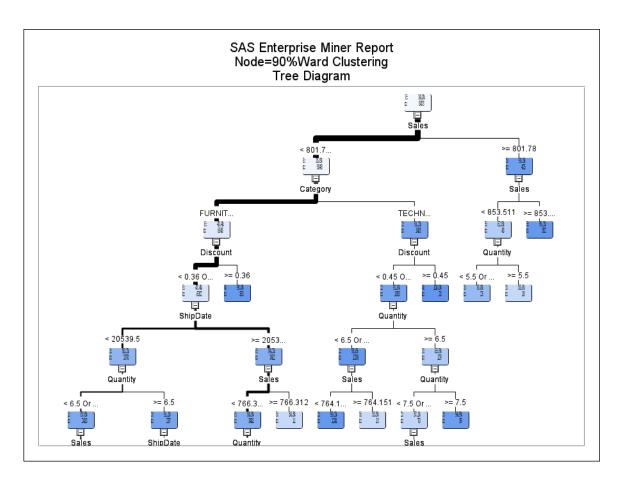
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	INTERVAL	1	_dataobs_
ID	NOMINAL	1	ProductID

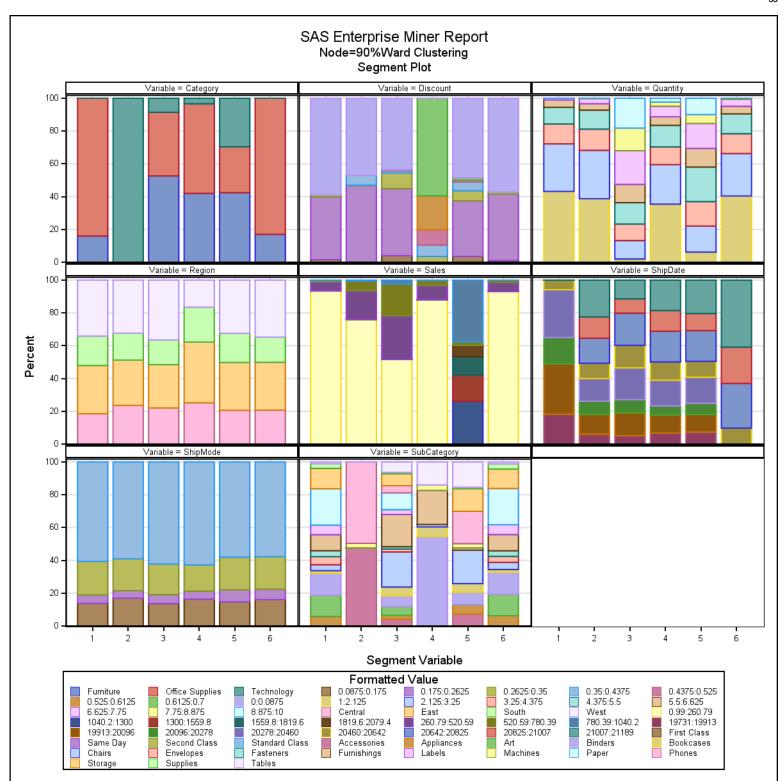
Node=90%Ward Clustering Mean Statistics

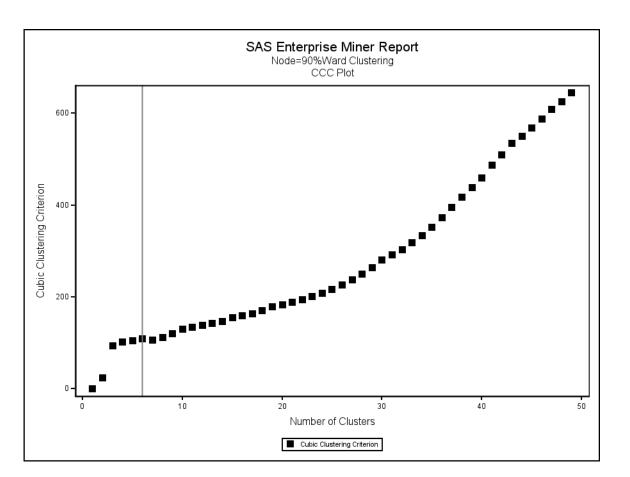
Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5	Segment 6
Clustering Criterion	0.41	0.41	0.41	0.41	0.41	0.41
Maximum Relative Change in Cluster Seeds	0.05	0.05	0.05	0.05	0.05	0.05
Improvement in Clustering Criterion						
Frequency of Cluster	2168.00	1284.00	1121.00	593.00	422.00	2885.00
Root-Mean-Square Standard Deviation	0.38	0.40	0.47	0.45	0.52	0.39
Maximum Distance from Cluster Seed	3.70	4.17	3.91	4.61	4.76	3.75
Nearest Cluster	6.00	6.00	6.00	6.00	3.00	1.00
Distance to Nearest Cluster	1.84	2.12	2.13	3.28	3.16	1.84
Discount	0.08	0.12	0.12	0.63	0.13	0.09
Quantity	2.95	3.12	6.31	3.60	5.33	3.19
Sales	71.69	181.48	295.37	91.28	1209.55	75.80
ShipDate	20144.94	20596.24	20514.38	20588.14	20582.61	20918.76

			Segment			
Variable	Segment 1	Segment 2	3	Segment 4	Segment 5	Segment 6
Category=Furniture	0.16	-0.00	0.53	0.42	0.42	0.17
Category=Office Supplies	0.84	0.00	0.39	0.55	0.28	0.83
Category=Technology	0.00	1.00	0.09	0.03	0.30	0.00
Region=Central	0.19	0.24	0.22	0.25	0.21	0.21
Region=East	0.29	0.28	0.26	0.37	0.29	0.29
Region=South	0.18	0.16	0.15	0.21	0.18	0.15
Region=West	0.34	0.32	0.36	0.17	0.32	0.35
ShipMode=First Class	0.14	0.17	0.14	0.16	0.15	0.16
ShipMode=Same Day	0.05	0.05	0.05	0.05	0.07	0.06
ShipMode=Second Class	0.21	0.19	0.19	0.16	0.20	0.20
ShipMode=Standard Class	0.61	0.59	0.62	0.63	0.58	0.58
SubCategory=Accessories	-0.00	0.48	0.04	0.00	0.07	-0.00
SubCategory=Appliances	0.06	0.00	0.02	0.00	0.05	0.06
SubCategory=Art	0.13	-0.00	0.05	-0.00	0.00	0.13
SubCategory=Binders	0.13	0.00	0.07	0.55	0.08	0.14
SubCategory=Bookcases	0.02	0.00	0.05	0.06	0.05	0.02
SubCategory=Chairs	0.04	-0.00	0.21	0.02	0.20	0.04
SubCategory=Envelopes	0.05	0.00	0.02	-0.00	-0.00	0.04
SubCategory=Fasteners	0.04	0.00	0.01	0.00	-0.00	0.03
SubCategory=Furnishings	0.10	0.00	0.20	0.21	0.01	0.10
SubCategory=Labels	0.06	-0.00	0.03	-0.00	-0.00	0.06
SubCategory=Machines	-0.00	0.03	0.00	0.03	0.03	-0.00
SubCategory=Paper	0.22	0.00	0.10	0.00	0.00	0.22
SubCategory=Phones	-0.00	0.50	0.04	-0.00	0.20	-0.00
SubCategory=Storage	0.12	-0.00	0.07	-0.00	0.14	0.12
SubCategory=Supplies	0.03	0.00	0.01	0.00	0.01	0.03
SubCategory=Tables	0.01	-0.00	0.06	0.14	0.15	0.01









SAS Enterprise Miner Report

Node=Average Clustering Summary

Node id = Clus7 Node label = Average Clustering Meta path = Ids2 => Filter => Clus7 Notes =

Node=Average Clustering Properties

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

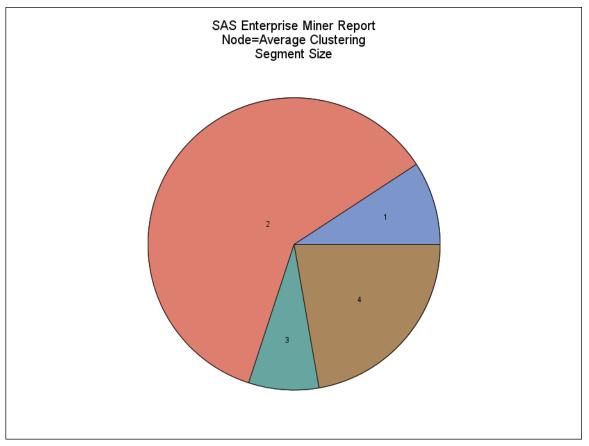
Node=Average Clustering Variable Summary

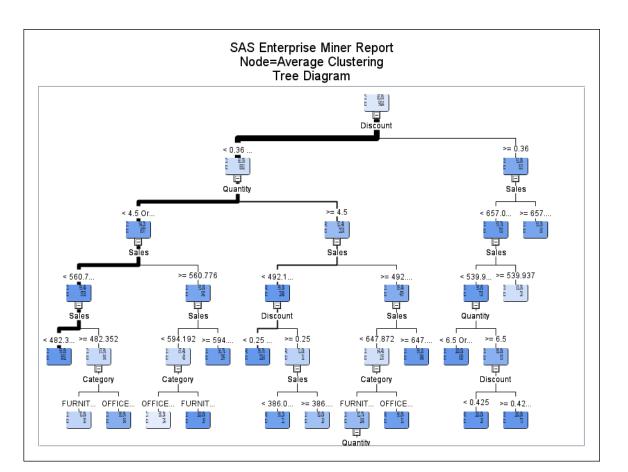
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	NOMINAL	1	ProductID

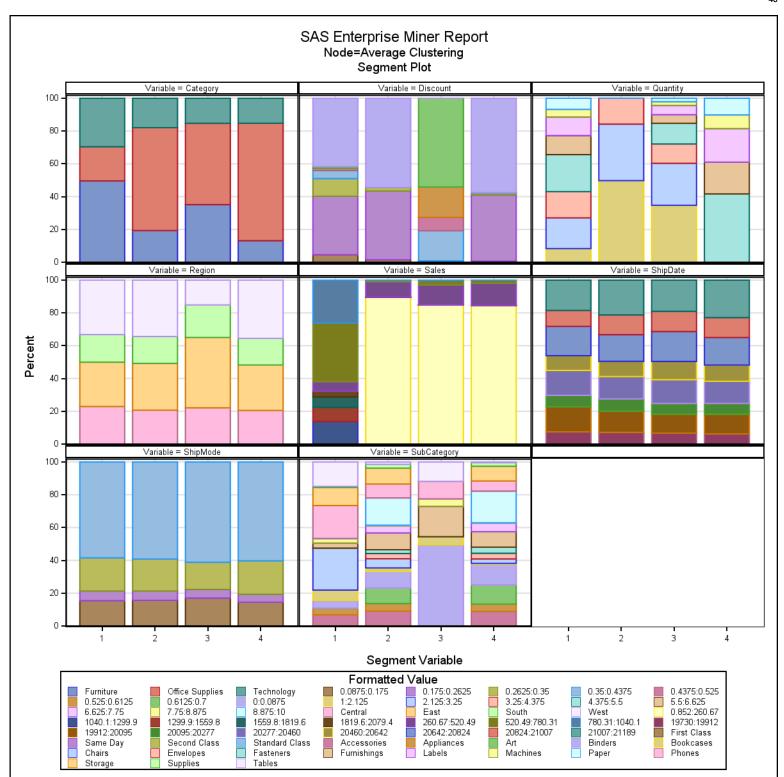
Node=Average Clustering Mean Statistics

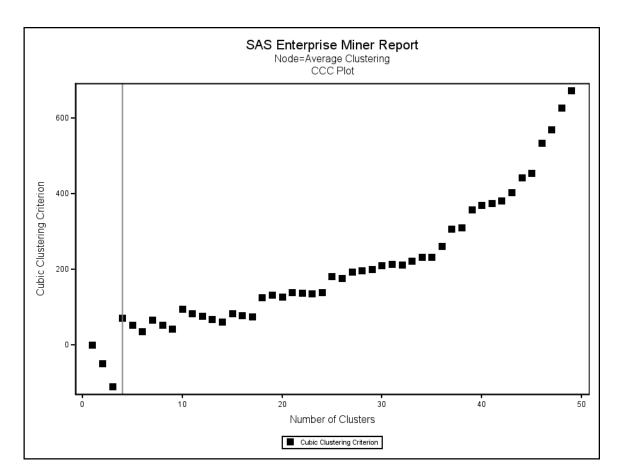
Variable	Segment 1	Segment 2	Segment 3	Segment 4
Clustering Criterion	0.44	0.44	0.44	0.44
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion				
Frequency of Cluster	855.00	5722.00	746.00	2091.00
Root-Mean-Square Standard Deviation	0.53	0.43	0.46	0.43
Maximum Distance from Cluster Seed	5.62	4.17	4.42	4.30
Nearest Cluster	4.00	4.00	2.00	2.00
Distance to Nearest Cluster	3.02	1.88	3.02	1.88
Discount	0.14	0.09	0.61	0.09
Quantity	4.98	2.52	3.55	6.28
Sales	951.19	91.11	102.16	126.59
ShipDate	20540.86	20576.47	20582.93	20602.43
Category=Furniture	0.50	0.19	0.35	0.13

Variable	Segment 1	Segment 2	Segment 3	Segment 4
Category=Office Supplies	0.21	0.63	0.50	0.72
Category=Technology	0.30	0.18	0.15	0.15
Region=Central	0.23	0.21	0.22	0.21
Region=East	0.27	0.29	0.43	0.28
Region=South	0.17	0.16	0.20	0.16
Region=West	0.33	0.34	0.15	0.36
ShipMode=First Class	0.15	0.16	0.17	0.14
ShipMode=Same Day	0.06	0.06	0.05	0.05
ShipMode=Second Class	0.20	0.20	0.17	0.20
ShipMode=Standard Class	0.58	0.59	0.61	0.60
SubCategory=Accessories	0.07	0.09	0.00	0.09
SubCategory=Appliances	0.04	0.05	-0.00	0.04
SubCategory=Art	0.00	0.10	-0.00	0.12
SubCategory=Binders	0.05	0.10	0.50	0.13
SubCategory=Bookcases	0.06	0.02	0.05	0.01
SubCategory=Chairs	0.26	0.06	-0.00	0.03
SubCategory=Envelopes	-0.00	0.03	-0.00	0.03
SubCategory=Fasteners	0.00	0.02	0.00	0.04
SubCategory=Furnishings	0.03	0.10	0.18	0.09
SubCategory=Labels	0.00	0.04	0.00	0.05
SubCategory=Machines	0.03	0.00	0.05	0.00
SubCategory=Paper	0.00	0.17	0.00	0.19
SubCategory=Phones	0.20	0.09	0.11	0.06
SubCategory=Storage	0.11	0.10	0.00	0.09
SubCategory=Supplies	0.01	0.02	0.00	0.02
SubCategory=Tables	0.15	0.01	0.12	0.00









SAS Enterprise Miner Report

Node=Centroid Clustering Summary

Node id = Clus6 Node label = Centroid Clustering Meta path = Ids2 => Filter => Clus6 Notes =

Node=Centroid Clustering Properties

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

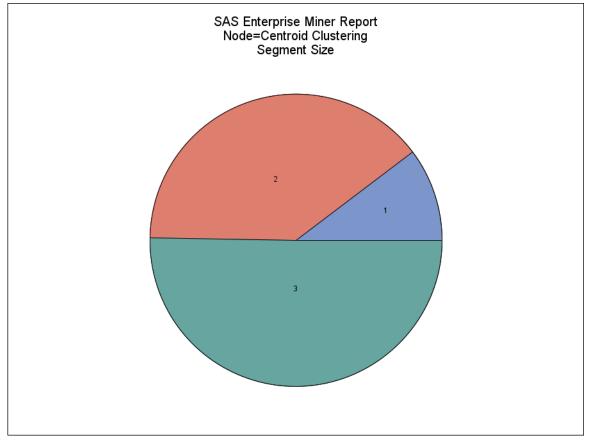
Node=Centroid Clustering Variable Summary

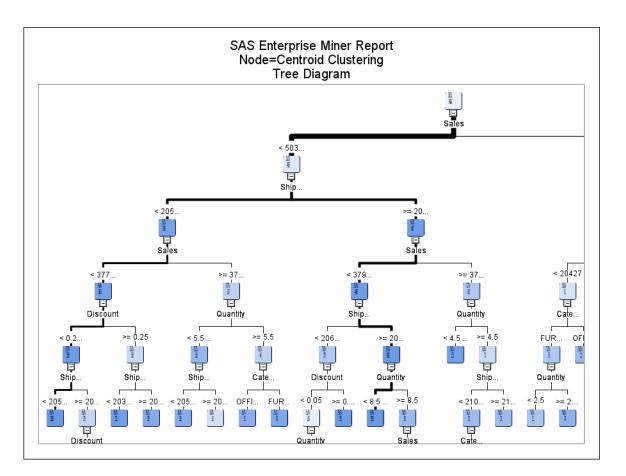
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	NOMINAL	1	ProductID

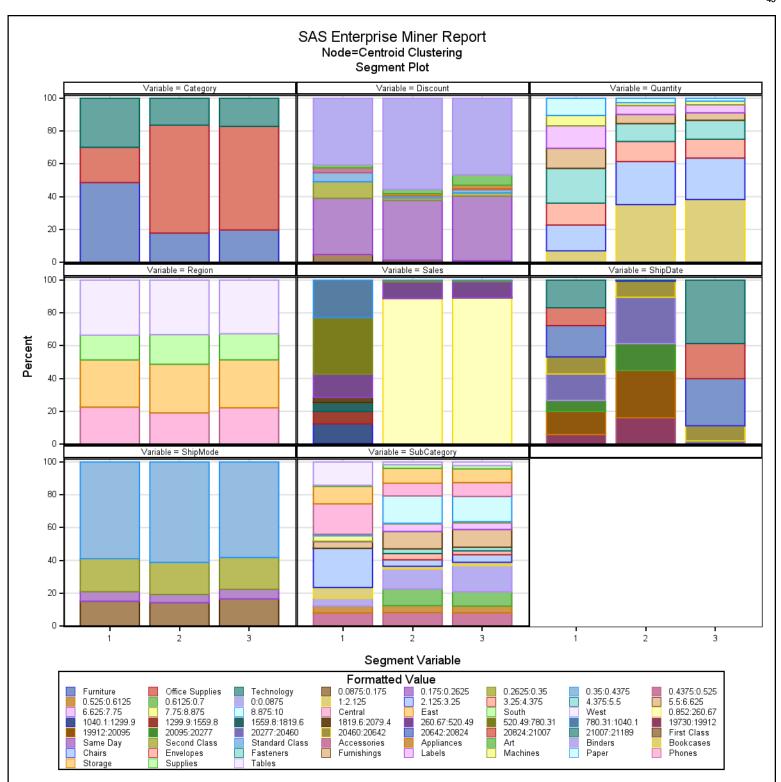
Node=Centroid Clustering Mean Statistics

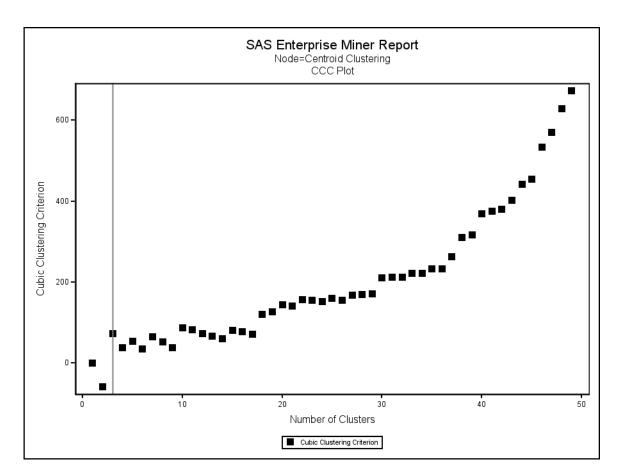
Variable	Segment 1	Segment 2	Segment 3
Clustering Criterion	0.46	0.46	0.46
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01
Improvement in Clustering Criterion			
Frequency of Cluster	980.00	3710.00	4724.00
Root-Mean-Square Standard Deviation	0.54	0.44	0.45
Maximum Distance from Cluster Seed	5.75	5.24	5.02
Nearest Cluster	3.00	3.00	2.00
Distance to Nearest Cluster	3.06	1.76	1.76
Discount	0.15	0.11	0.15
Quantity	5.36	3.54	3.40
Sales	888.29	96.61	94.53
ShipDate	20555.98	20174.16	20902.75
Category=Furniture	0.49	0.18	0.20

Variable	Segment 1	Segment 2	Segment 3
Category=Office Supplies	0.22	0.66	0.63
Category=Technology	0.30	0.16	0.17
Region=Central	0.23	0.19	0.22
Region=East	0.29	0.30	0.29
Region=South	0.15	0.18	0.16
Region=West	0.34	0.33	0.33
ShipMode=First Class	0.15	0.14	0.17
ShipMode=Same Day	0.06	0.05	0.06
ShipMode=Second Class	0.20	0.20	0.19
ShipMode=Standard Class	0.59	0.61	0.58
SubCategory=Accessories	0.08	0.08	0.08
SubCategory=Appliances	0.04	0.04	0.04
SubCategory=Art	0.00	0.10	0.09
SubCategory=Binders	0.05	0.12	0.16
SubCategory=Bookcases	0.07	0.02	0.02
SubCategory=Chairs	0.24	0.04	0.05
SubCategory=Envelopes	0.00	0.04	0.02
SubCategory=Fasteners	-0.00	0.03	0.02
SubCategory=Furnishings	0.04	0.11	0.11
SubCategory=Labels	0.00	0.05	0.04
SubCategory=Machines	0.03	0.00	0.01
SubCategory=Paper	0.01	0.17	0.15
SubCategory=Phones	0.19	0.08	0.08
SubCategory=Storage	0.11	0.09	0.08
SubCategory=Supplies	0.01	0.02	0.02
SubCategory=Tables	0.14	0.02	0.02









SAS Enterprise Miner Report

Node=Ward Cluster Summary

Node id = Clus Node label = Ward Cluster Meta path = Ids2 => Filter => Clus Notes =

Node=Ward Cluster Properties

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

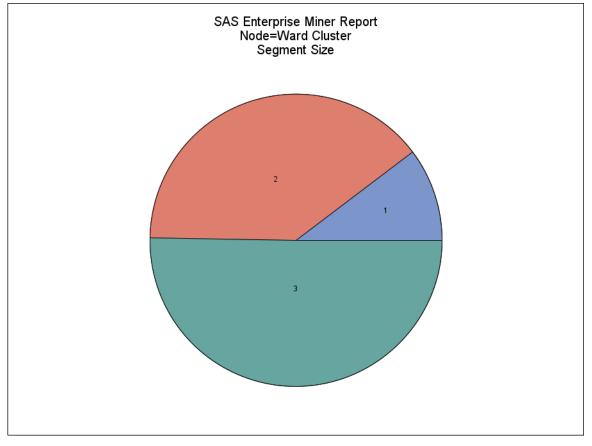
Node=Ward Cluster Variable Summary

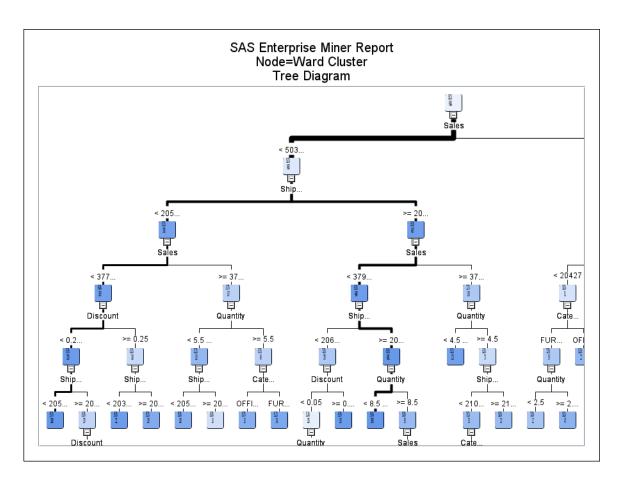
Role	Level	Frequency Count	Name
INPUT	INTERVAL	4	Discount Quantity Sales ShipDate
INPUT	NOMINAL	4	Category Region ShipMode SubCategory
ID	NOMINAL	1	ProductID

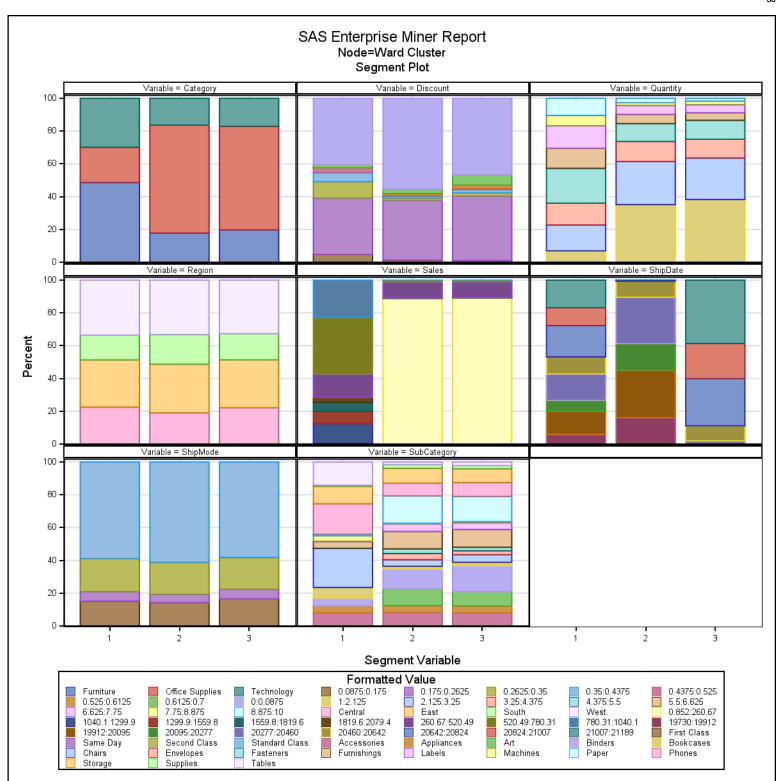
Node=Ward Cluster Mean Statistics

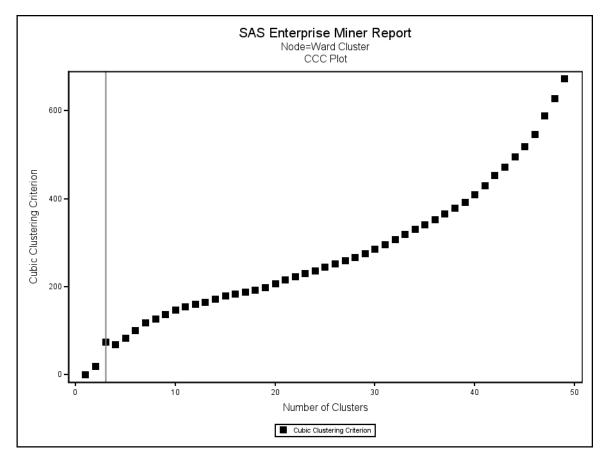
Variable	Segment 1	Segment 2	Segment 3
Clustering Criterion	0.46	0.46	0.46
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01
Improvement in Clustering Criterion			
Frequency of Cluster	980.00	3710.00	4724.00
Root-Mean-Square Standard Deviation	0.54	0.44	0.45
Maximum Distance from Cluster Seed	5.75	5.24	5.02
Nearest Cluster	3.00	3.00	2.00
Distance to Nearest Cluster	3.06	1.76	1.76
Discount	0.15	0.11	0.15
Quantity	5.36	3.54	3.40
Sales	888.29	96.61	94.53
ShipDate	20555.98	20174.16	20902.75
Category=Furniture	0.49	0.18	0.20

Variable	Segment 1	Segment 2	Segment 3
Category=Office Supplies	0.22	0.66	0.63
Category=Technology	0.30	0.16	0.17
Region=Central	0.23	0.19	0.22
Region=East	0.29	0.30	0.29
Region=South	0.15	0.18	0.16
Region=West	0.34	0.33	0.33
ShipMode=First Class	0.15	0.14	0.17
ShipMode=Same Day	0.06	0.05	0.06
ShipMode=Second Class	0.20	0.20	0.19
ShipMode=Standard Class	0.59	0.61	0.58
SubCategory=Accessories	0.08	0.08	0.08
SubCategory=Appliances	0.04	0.04	0.04
SubCategory=Art	0.00	0.10	0.09
SubCategory=Binders	0.05	0.12	0.16
SubCategory=Bookcases	0.07	0.02	0.02
SubCategory=Chairs	0.24	0.04	0.05
SubCategory=Envelopes	0.00	0.04	0.02
SubCategory=Fasteners	-0.00	0.03	0.02
SubCategory=Furnishings	0.04	0.11	0.11
SubCategory=Labels	0.00	0.05	0.04
SubCategory=Machines	0.03	0.00	0.01
SubCategory=Paper	0.01	0.17	0.15
SubCategory=Phones	0.19	0.08	0.08
SubCategory=Storage	0.11	0.09	0.08
SubCategory=Supplies	0.01	0.02	0.02
SubCategory=Tables	0.14	0.02	0.02









End of Report