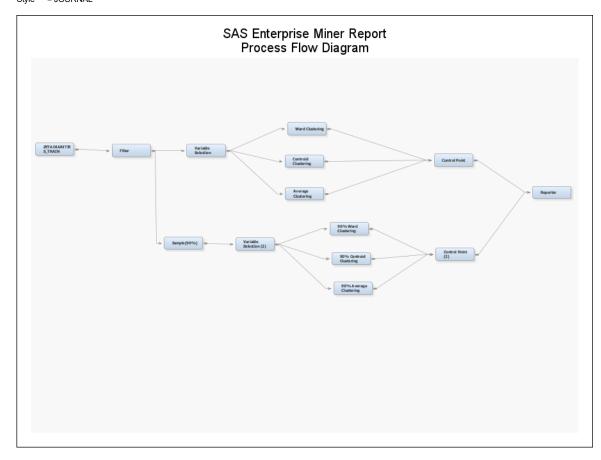
User = bkris2 Date = 15:49:10 March 09 Project = ZetaExploratoryAnalysis Diagram = ZetaExploratoryAnalysis

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

Format = PDF Style = JOURNAL



## Node=ZETADIABITIES\_TRAIN Summary

Node id = Ids Node label = ZETADIABITIES\_TRAIN Meta path = Ids Notes =

# Node=ZETADIABITIES\_TRAIN Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	DataSource		DsCreatedBy	bkris2		NBytes	44303360	
ApplyIntervalLevelLowerLimit	Υ		Dsld	zetadiabitiestrain		NCols	22	
ApplyMaxClassLevels	Υ		DsModifiedBy	bkris2		NObs	250716	ě
ApplyMaxPercentMissing	Υ		DsModifyDate	2025037601.1		NewTable		
CMeta	WORK.M3LPL574		DsSampleName			NewVariableRole	REJECT	
ComputeStatistics	N		DsSampleSize			OutputType	VIEW	
DBPassThrough	Υ		DsSampleSizeType			Role	RAW	TRAIN
Data	ZETADATA.ZETADIABITIES_TRAIN		DsScope	LOCAL		Sample	D	
DataSelection	DATASOURCE		IdentifyEmptyColumns	Υ		SampleSizeObs	10000	
DataSource	zetadiabitiestrain		IntervalLowerLimit	20		SampleSizePercent	20	
DataSourceRole	RAW		Library	ZETADATA		SampleSizeType	PERCENT	
Description			MaxClassLevels	20		Scope	LOCAL	
DropMapVariables	Υ		MaxPercentMissing	50		Segment		
DsCreateDate	2025037600.8		MetaAdvisor	BASIC		Table	ZETADIABITIES_TRAIN	

# Node=ZETADIABITIES\_TRAIN Data Attributes

Attribute	Value	Attribute	Value	Attribute	Value
Data Name	ZETADIABITIES_TRAIN	Date Created	02Mar2024:22:24:48	Data Size	44303360
Data Type	DATA	Date Modified	02Mar2024:22:24:48	Role	RAW
Data Label		Number Rows	250716	Segment	
Engine	BASE	Number Columns	22	Data Library	ZETADATA

# Node=ZETADIABITIES\_TRAIN Variables List

Name	Label	Role	Level	Туре	Length	Format	Creator
Age		INPUT	INTERVAL	N	8	BEST12.0	
AnyHealthcare		INPUT	BINARY	N	8	BEST12.0	
ВМІ		INPUT	INTERVAL	N	8	BEST12.0	
CholCheck		INPUT	BINARY	N	8	BEST12.0	
Diabetes_012		REJECTED	NOMINAL	N	8	BEST12.0	
DiffWalk		INPUT	BINARY	N	8	BEST12.0	
Education		INPUT	ORDINAL	N	8	BEST12.0	
Fruits		INPUT	BINARY	N	8	BEST12.0	
GenHlth		INPUT	ORDINAL	N	8	BEST12.0	
HeartDiseaseorAttack		INPUT	BINARY	N	8	BEST12.0	
HighBP		INPUT	BINARY	N	8	BEST12.0	

Name	Label	Role	Level	Туре	Length	Format	Creator
HighChol		INPUT	BINARY	N	8	BEST12.0	
HvyAlcoholConsump		INPUT	BINARY	N	8	BEST12.0	
Income		INPUT	ORDINAL	N	8	BEST12.0	
MentHith		INPUT	ORDINAL	N	8	BEST12.0	
NoDocbcCost		INPUT	BINARY	N	8	BEST12.0	
PhysActivity		INPUT	BINARY	N	8	BEST12.0	
PhysHlth		INPUT	ORDINAL	N	8	BEST12.0	
Sex		INPUT	BINARY	N	8	BEST12.0	
Smoker		INPUT	BINARY	N	8	BEST12.0	
Stroke		INPUT	BINARY	N	8	BEST12.0	
Veggies		INPUT	BINARY	N	8	BEST12.0	

### 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	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

		Frequency	
Role	Level	Count	Name
REJECTED	NOMINAL	1	Diabetes_012
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith

#### Node=Filter Excluded Class Values

Variable	Role	Level	Train Count	Train Percent	Filter Method
Education	INPUT	1	167	0.066609	MINPCT

#### Node=Filter Limits for Interval Variables

Variable	Role	Minimum	Maximum	Filter Method	Keep Missing Values	Label
Age	INPUT	-1.1256	17.2143	STDDEV	Υ	
BMI	INPUT	11.1980	44.8472	STDDEV	Υ	

### Node=Variable Selection Summary

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

### Node=Variable Selection Properties

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

# Node=Variable Selection Variable Summary

Role	Level	Frequency Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith

### Node=Variable Selection Variable Selection

Variable Name	Role	Measurement Level	Туре	Label	Reasons for Rejection
Age	INPUT	INTERVAL	N		
AnyHealthcare	INPUT	BINARY	N		
ВМІ	INPUT	INTERVAL	N		
CholCheck	INPUT	BINARY	N		
DiffWalk	INPUT	BINARY	N		
Education	INPUT	ORDINAL	N		
Fruits	INPUT	BINARY	N		
GenHlth	INPUT	ORDINAL	N		
HeartDiseaseorAttack	INPUT	BINARY	N		
HighBP	INPUT	BINARY	N		
HighChol	INPUT	BINARY	N		
HvyAlcoholConsump	INPUT	BINARY	N		
Income	INPUT	ORDINAL	N		
MentHith	INPUT	ORDINAL	N		
NoDocbcCost	INPUT	BINARY	N		
PhysActivity	INPUT	BINARY	N		
PhysHlth	INPUT	ORDINAL	N		

Variable Name	Role	Measurement Level	Туре	Label	Reasons for Rejection
Sex	INPUT	BINARY	N		
Smoker	INPUT	BINARY	N		
Stroke	INPUT	BINARY	N		
Veggies	INPUT	BINARY	N		

## Node=Average Clustering Summary

Node id = Clus3 Node label = Average Clustering Meta path = lds => Filter => Varsel => Clus3 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		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				

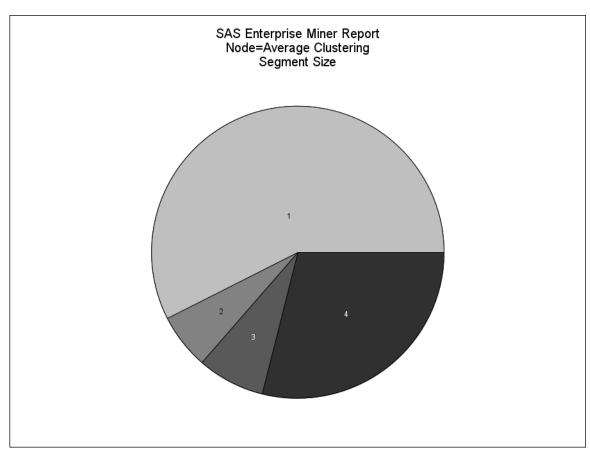
# Node=Average Clustering Variable Summary

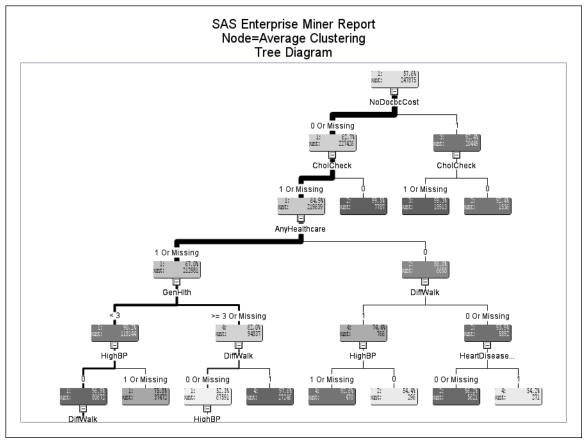
		Frequency	
Role	Level	Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith

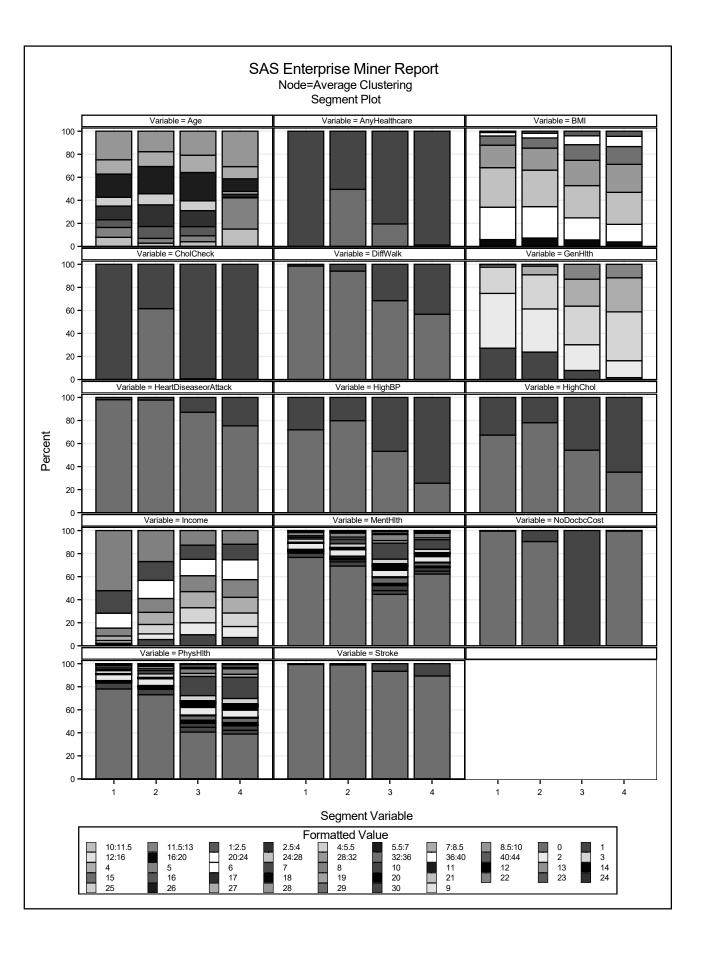
# Node=Average Clustering Mean Statistics

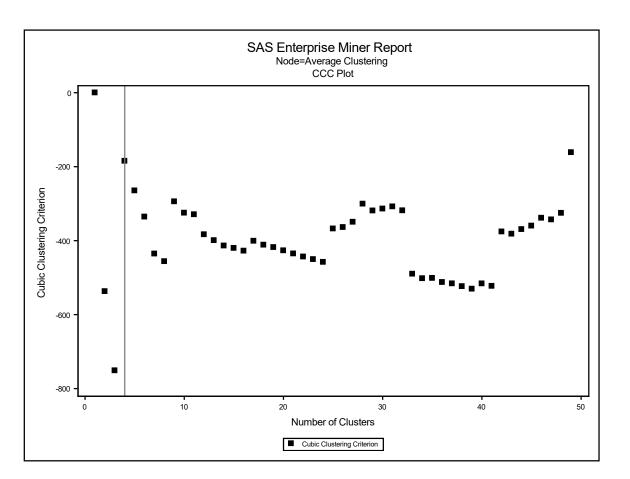
Variable	Segment 1	Segment 2	Segment 3	Segment 4
Clustering Criterion	0.70	0.70	0.70	0.70
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00	0.00
Improvement in Clustering Criterion				
Frequency of Cluster	142732.00	14893.00	18895.00	71355.00
Root-Mean-Square Standard Deviation	0.61	0.90	0.83	0.78
Maximum Distance from Cluster Seed	7.86	9.91	9.43	9.19
Nearest Cluster	4.00	1.00	4.00	1.00
Distance to Nearest Cluster	3.13	4.14	4.01	3.13
Age	7.51	6.37	6.90	9.79
ВМІ	26.89	27.11	28.83	29.58
AnyHealthcare=0	0.00	0.49	0.20	0.01
AnyHealthcare=1	1.00	0.51	0.80	0.99
CholCheck=0	0.00	0.62	0.01	0.00

		Segment		Segment
Variable	Segment 1	2	Segment 3	4
CholCheck=1	1.00	0.38	0.99	1.00
DiffWalk=0	0.99	0.94	0.68	0.57
DiffWalk=1	0.01	0.06	0.32	0.43
Fruits=0	0.31	0.41	0.43	0.44
Fruits=1	0.69	0.59	0.57	0.56
HeartDiseaseorAttack=0	0.98	0.98	0.87	0.75
HeartDiseaseorAttack=1	0.02	0.02	0.13	0.25
HighBP=0	0.72	0.80	0.53	0.26
HighBP=1	0.28	0.20	0.47	0.74
HighChol=0	0.67	0.78	0.54	0.35
HighChol=1	0.33	0.22	0.46	0.65
HvyAlcoholConsump=0	0.94	0.92	0.94	0.96
HvyAlcoholConsump=1	0.06	0.08	0.06	0.04
NoDocbcCost=0	1.00	0.90	-0.00	1.00
NoDocbcCost=1	0.00	0.10	1.00	0.00
PhysActivity=0	0.12	0.24	0.33	0.45
PhysActivity=1	0.88	0.76	0.67	0.55
Sex=0	0.55	0.49	0.63	0.57
Sex=1	0.45	0.51	0.37	0.43
Smoker=0	0.65	0.55	0.48	0.40
Smoker=1	0.35	0.45	0.52	0.60
Stroke=0	0.99	0.99	0.93	0.89
Stroke=1	0.01	0.01	0.07	0.11
Veggies=0	0.13	0.20	0.23	0.29
Veggies=1	0.87	0.80	0.77	0.71
Transform: Education	0.59	0.45	0.41	0.36
Transform: GenHlth	0.37	0.44	0.65	0.72
Transform: Income	0.62	0.44	0.31	0.33
Transform: MentHlth	0.46	0.50	0.64	0.55
Transform: PhysHith	0.41	0.44	0.63	0.65









### Node=Centroid Clustering Summary

Node id = Clus2 Node label = Centroid Clustering Meta path = lds => Filter => Varsel => Clus2 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		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				

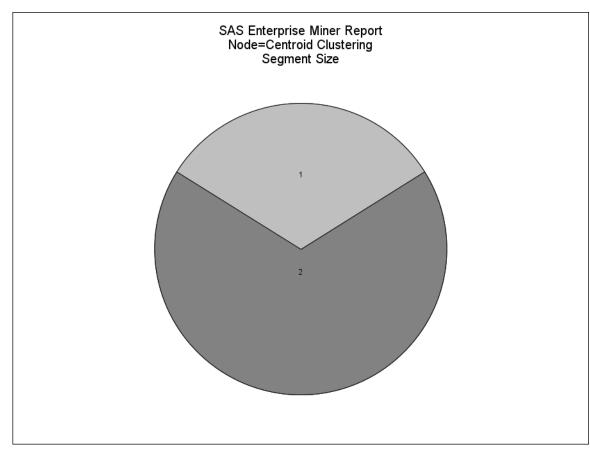
# Node=Centroid Clustering Variable Summary

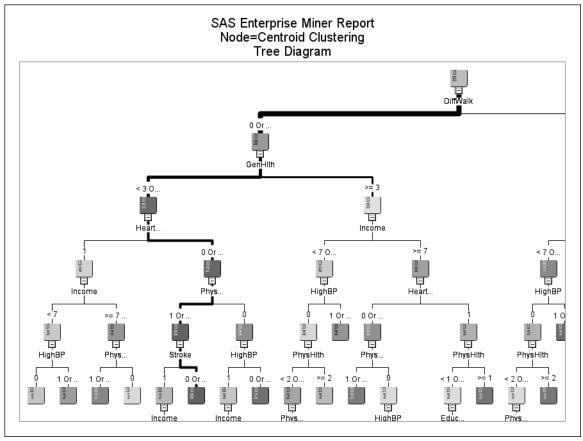
		Frequency	
Role	Level	Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith

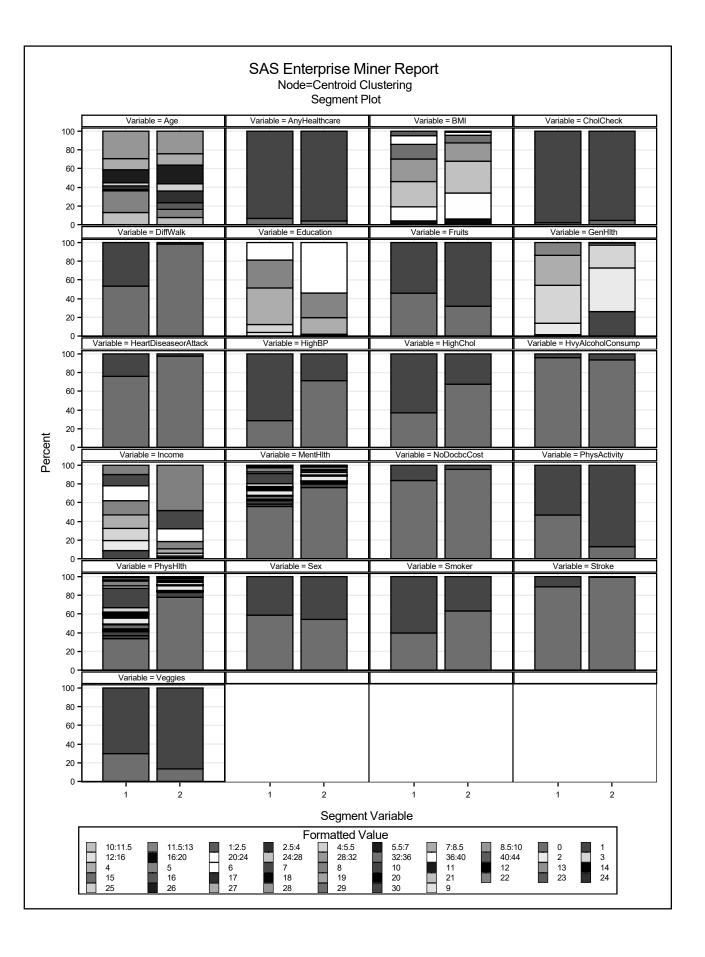
### Node=Centroid Clustering Mean Statistics

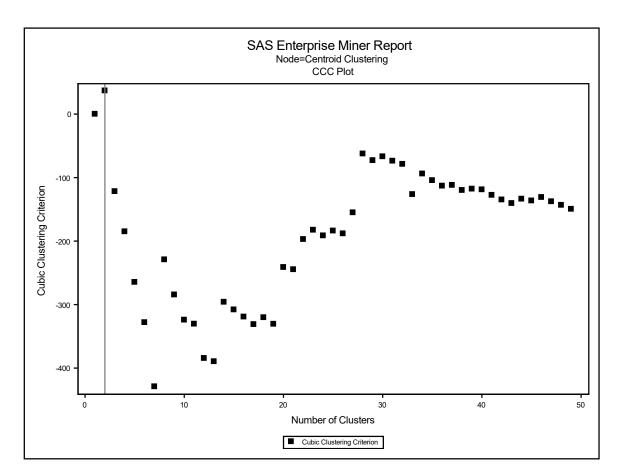
	Segment	
Variable	1	Segment 2
Clustering Criterion	0.73	0.73
Maximum Relative Change in Cluster Seeds	0.00	0.00
Improvement in Clustering Criterion		•
Frequency of Cluster	79881.00	167994.00
Root-Mean-Square Standard Deviation	0.85	0.67
Maximum Distance from Cluster Seed	10.55	9.60
Nearest Cluster	2.00	1.00
Distance to Nearest Cluster	3.21	3.21
Age	9.34	7.44
ВМІ	29.70	26.94
AnyHealthcare=0	0.07	0.04
AnyHealthcare=1	0.93	0.96
CholCheck=0	0.02	0.05

	0 1	
Variable	Segment 1	Segment 2
CholCheck=1	0.98	0.95
DiffWalk=0	0.53	0.98
DiffWalk=1	0.47	0.02
Fruits=0	0.46	0.32
Fruits=1	0.54	0.68
HeartDiseaseorAttack=0	0.76	0.98
HeartDiseaseorAttack=1	0.24	0.02
HighBP=0	0.29	0.71
HighBP=1	0.71	0.29
HighChol=0	0.37	0.68
HighChol=1	0.63	0.32
HvyAlcoholConsump=0	0.96	0.94
HvyAlcoholConsump=1	0.04	0.06
NoDocbcCost=0	0.84	0.96
NoDocbcCost=1	0.16	0.04
PhysActivity=0	0.47	0.13
PhysActivity=1	0.53	0.87
Sex=0	0.59	0.54
Sex=1	0.41	0.46
Smoker=0	0.40	0.63
Smoker=1	0.60	0.37
Stroke=0	0.89	0.99
Stroke=1	0.11	0.01
Veggies=0	0.30	0.13
Veggies=1	0.70	0.87
Transform: Education	0.35	0.57
Transform: GenHlth	0.74	0.38
Transform: Income	0.30	0.59
Transform: MentHlth	0.58	0.46
Transform: PhysHlth	0.68	0.42









## 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	Υ		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	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				

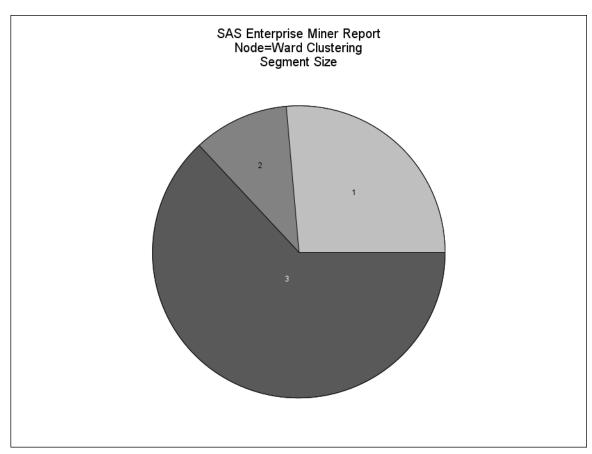
# Node=Ward Clustering Variable Summary

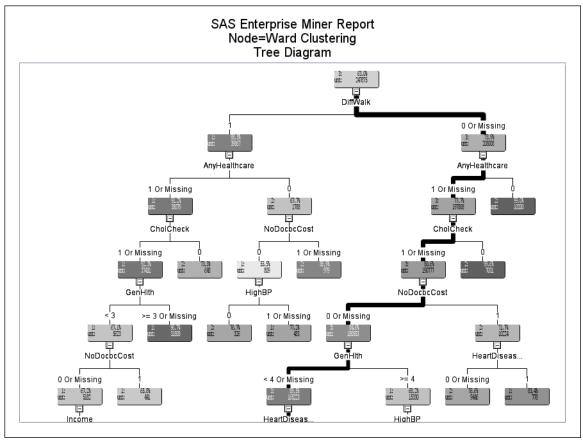
		Frequency	
Role	Level	Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith

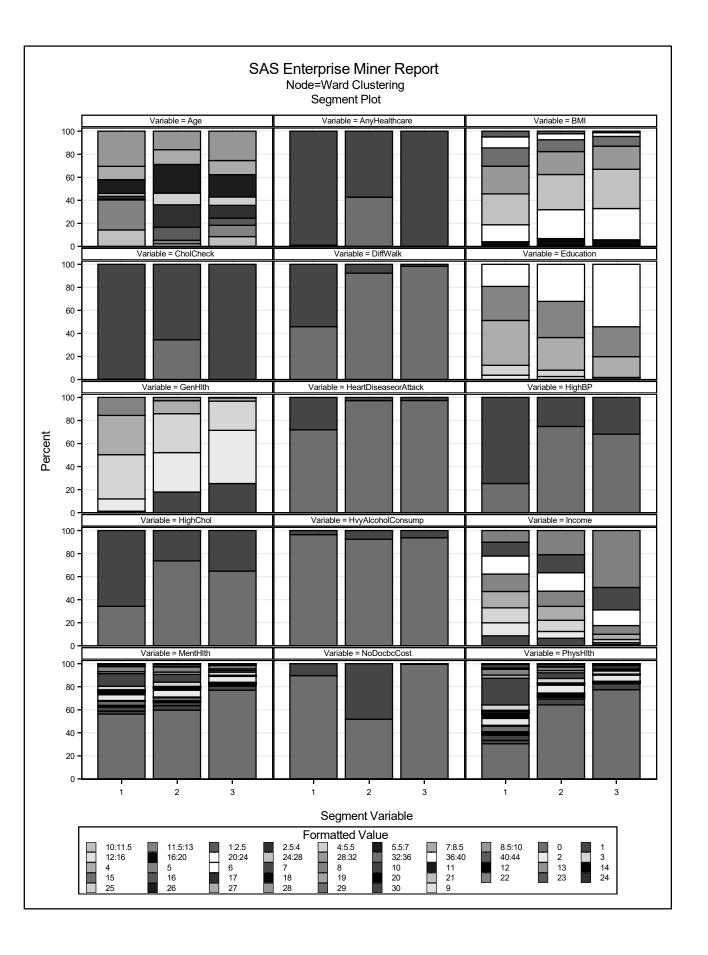
### Node=Ward Clustering Mean Statistics

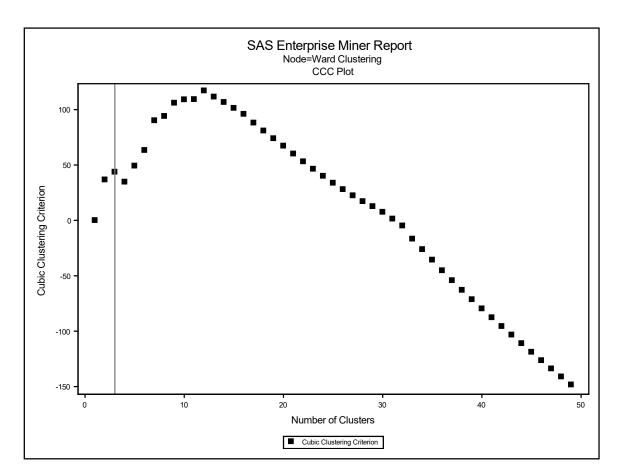
	Segment	Segment	
Variable	1	2	Segment 3
Clustering Criterion	0.71	0.71	0.71
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01
Improvement in Clustering Criterion			
Frequency of Cluster	65173.00	26449.00	156253.00
Root-Mean-Square Standard Deviation	0.81	0.94	0.62
Maximum Distance from Cluster Seed	9.57	10.40	8.08
Nearest Cluster	3.00	3.00	1.00
Distance to Nearest Cluster	3.38	3.45	3.38
Age	9.70	6.15	7.69
ВМІ	29.77	27.58	27.05
AnyHealthcare=0	0.01	0.43	0.00
AnyHealthcare=1	0.99	0.57	1.00
CholCheck=0	0.00	0.34	0.00

	Seament	Segment	
Variable	1	2	Segment 3
CholCheck=1	1.00	0.66	1.00
DiffWalk=0	0.46	0.92	0.98
DiffWalk=1	0.54	0.08	0.02
Fruits=0	0.45	0.41	0.32
Fruits=1	0.55	0.59	0.68
HeartDiseaseorAttack=0	0.72	0.97	0.97
HeartDiseaseorAttack=1	0.28	0.03	0.03
HighBP=0	0.25	0.75	0.68
HighBP=1	0.75	0.25	0.32
HighChol=0	0.34	0.74	0.65
HighChol=1	0.66	0.26	0.35
HvyAlcoholConsump=0	0.96	0.92	0.94
HvyAlcoholConsump=1	0.04	0.08	0.06
NoDocbcCost=0	0.90	0.52	0.99
NoDocbcCost=1	0.10	0.48	0.01
PhysActivity=0	0.49	0.24	0.13
PhysActivity=1	0.51	0.76	0.87
Sex=0	0.59	0.55	0.54
Sex=1	0.41	0.45	0.46
Smoker=0	0.39	0.54	0.63
Smoker=1	0.61	0.46	0.37
Stroke=0	0.87	0.99	0.99
Stroke=1	0.13	0.01	0.01
Veggies=0	0.30	0.20	0.14
Veggies=1	0.70	0.80	0.86
Transform: Education	0.35	0.44	0.57
Transform: GenHlth	0.76	0.50	0.39
Transform: Income	0.30	0.40	0.60
Transform: MentHlth	0.58	0.55	0.46
Transform: PhysHlth	0.70	0.49	0.42









#### Node=Sample(90%) Summary

Node id = Smpl Node label = Sample(90%) Meta path = Ids => Filter => Smpl Notes =

### Node=Sample(90%) Properties

Property	Value	Default	Property	Value	Default	Property	Value	Default
Component	Sample		IgnoreSmallStrata	N		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

		Frequency	
Role	Level	Count	Name
REJECTED	NOMINAL	1	Diabetes_012
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith

### Node=Variable Selection (2) Summary

Node id = Varsel2 Node label = Variable Selection (2) Meta path = lds => Filter => Smpl => Varsel2 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	Υ	
ByPassVars	NONE		MaxRows	3000		StopR2	0.0005	
ByPassVarsRole	INPUT		MinR2	0.005		TargetModel	DEFAULT	
ChiSquare	3.84		Passes	6		UseAov16	N	
HideRejectedVars	Υ		PrintOption	DEFAULT		UseGroups	Υ	
HideUnusedInputVars	Υ		RejectUnusedInputVars	Υ		UseInteractions	N	

# Node=Variable Selection (2) Variable Summary

Role	Level	Frequency Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHlth Income MentHlth PhysHlth

# Node=Variable Selection (2) Variable Selection

Variable Name	Role	Measurement Level	Type	Label	Reasons for Rejection
Age	INPUT	INTERVAL	N		
AnyHealthcare	INPUT	BINARY	N		
ВМІ	INPUT	INTERVAL	N		
CholCheck	INPUT	BINARY	N		
DiffWalk	INPUT	BINARY	N		
Education	INPUT	ORDINAL	N		
Fruits	INPUT	BINARY	N		
GenHlth	INPUT	ORDINAL	N		
HeartDiseaseorAttack	INPUT	BINARY	N		
HighBP	INPUT	BINARY	N		
HighChol	INPUT	BINARY	N		
HvyAlcoholConsump	INPUT	BINARY	N		
Income	INPUT	ORDINAL	N		
MentHlth	INPUT	ORDINAL	N		
NoDocbcCost	INPUT	BINARY	N		
PhysActivity	INPUT	BINARY	N		
PhysHlth	INPUT	ORDINAL	N		

Variable Name	Role	Measurement Level	Туре	Label	Reasons for Rejection
Sex	INPUT	BINARY	N		
Smoker	INPUT	BINARY	N		
Stroke	INPUT	BINARY	N		
Veggies	INPUT	BINARY	N		

### Node=90% Average Clustering Summary

Node id = Clus6 Node label = 90% Average Clustering Meta path = Ids => Filter => Smpl => Varsel2 => Clus6 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		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				

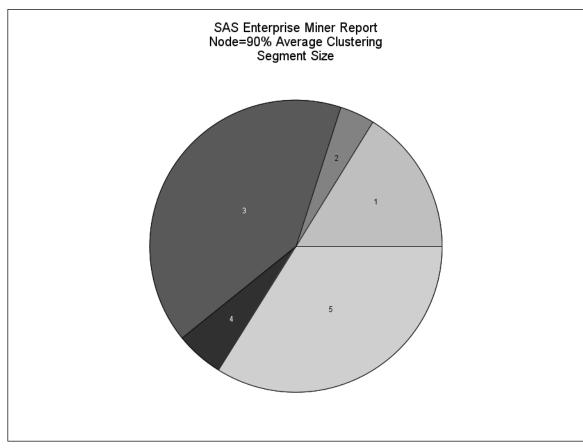
# Node=90% Average Clustering Variable Summary

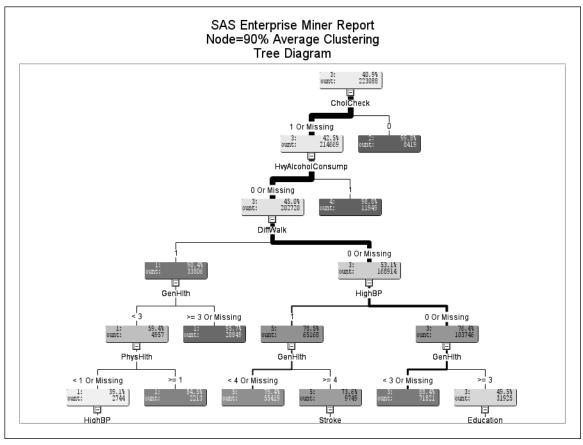
		Frequency	
Role	Level	Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHith Income MentHith PhysHith
ID	INTERVAL	1	_dataobs_

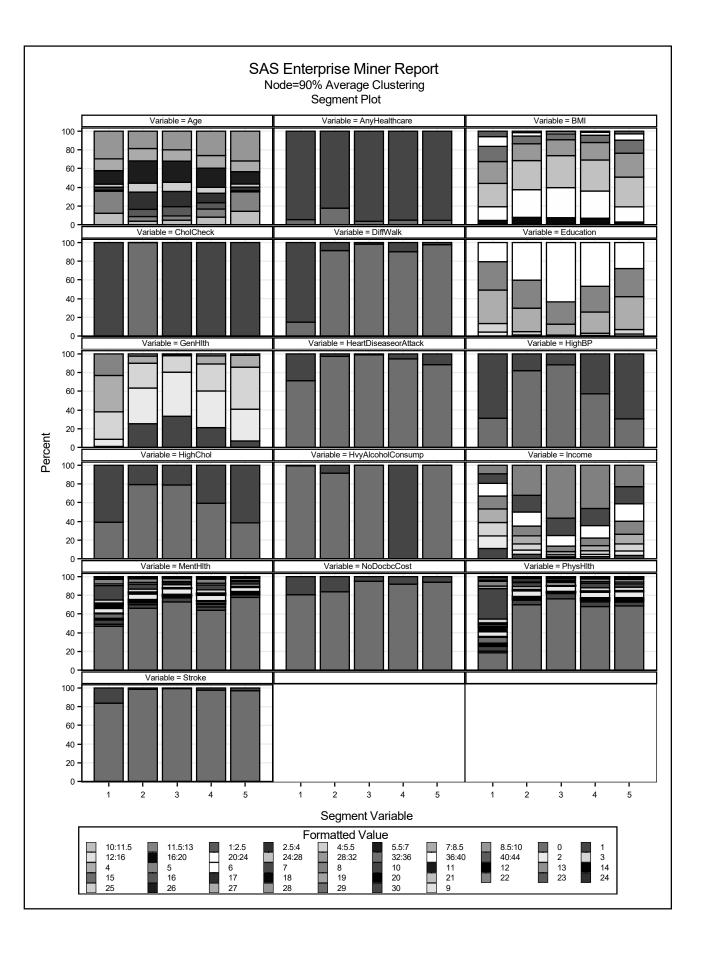
# Node=90% Average Clustering Mean Statistics

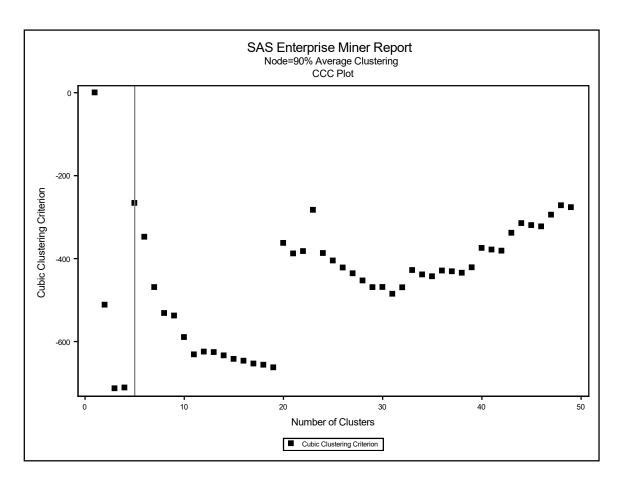
Variable	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
Clustering Criterion	0.68	0.68	0.68	0.68	0.68
Maximum Relative Change in Cluster Seeds	0.00	0.00	0.00	0.00	0.00
Improvement in Clustering Criterion		·			
Frequency of Cluster	36091.00	8401.00	91277.00	11802.00	75517.00
Root-Mean-Square Standard Deviation	0.83	0.77	0.58	0.70	0.69
Maximum Distance from Cluster Seed	9.60	10.16	8.69	9.14	9.04
Nearest Cluster	5.00	3.00	5.00	5.00	3.00
Distance to Nearest Cluster	3.14	5.43	2.41	4.54	2.41
Age	9.39	6.65	6.65	7.64	9.32
вмі	29.97	26.79	26.20	26.76	29.05
AnyHealthcare=0	0.05	0.18	0.04	0.05	0.05
AnyHealthcare=1	0.95	0.82	0.96	0.95	0.95

	Seament	Segment		Segment	
Variable	1	2	Segment 3	4	Segment 5
CholCheck=0	0.00	1.00	0.00	0.00	-0.00
CholCheck=1	1.00	0.00	1.00	1.00	1.00
DiffWalk=0	0.15	0.91	0.98	0.90	0.98
DiffWalk=1	0.85	0.09	0.02	0.10	0.02
Fruits=0	0.43	0.42	0.27	0.43	0.43
Fruits=1	0.57	0.58	0.73	0.57	0.57
HeartDiseaseorAttack=0	0.71	0.97	0.99	0.95	0.88
HeartDiseaseorAttack=1	0.29	0.03	0.01	0.05	0.12
HighBP=0	0.31	0.82	0.88	0.57	0.30
HighBP=1	0.69	0.18	0.12	0.43	0.70
HighChol=0	0.39	0.79	0.79	0.59	0.38
HighChol=1	0.61	0.21	0.21	0.41	0.62
HvyAlcoholConsump=0	1.00	0.92	1.00	0.00	1.00
HvyAlcoholConsump=1	0.00	0.08	-0.00	1.00	-0.00
NoDocbcCost=0	0.81	0.84	0.95	0.92	0.94
NoDocbcCost=1	0.19	0.16	0.05	0.08	0.06
PhysActivity=0	0.52	0.25	0.10	0.21	0.28
PhysActivity=1	0.48	0.75	0.90	0.79	0.72
Sex=0	0.64	0.50	0.58	0.55	0.49
Sex=1	0.36	0.50	0.42	0.45	0.51
Smoker=0	0.40	0.53	0.72	0.36	0.46
Smoker=1	0.60	0.47	0.28	0.64	0.54
Stroke=0	0.84	0.99	0.99	0.98	0.97
Stroke=1	0.16	0.01	0.01	0.02	0.03
Veggies=0	0.28	0.20	0.10	0.15	0.25
Veggies=1	0.72	0.80	0.90	0.85	0.75
Transform: Education	0.36	0.49	0.62	0.53	0.41
Transform: GenHlth	0.80	0.43	0.34	0.46	0.57
Transform: Income	0.28	0.48	0.64	0.57	0.43
Transform: MentHlth	0.64	0.52	0.48	0.53	0.46
Transform: PhysHlth	0.78	0.46	0.42	0.47	0.47









# Node=90% Centroid Clustering Summary

Node id = Clus5 Node label = 90% Centroid Clustering Meta path = lds => Filter => Smpl => Varsel2 => Clus5 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		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				

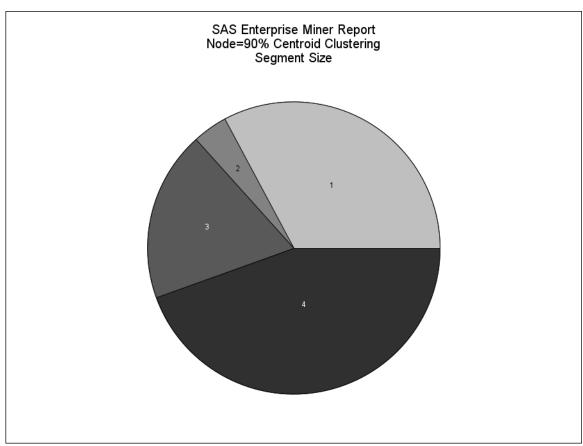
# Node=90% Centroid Clustering Variable Summary

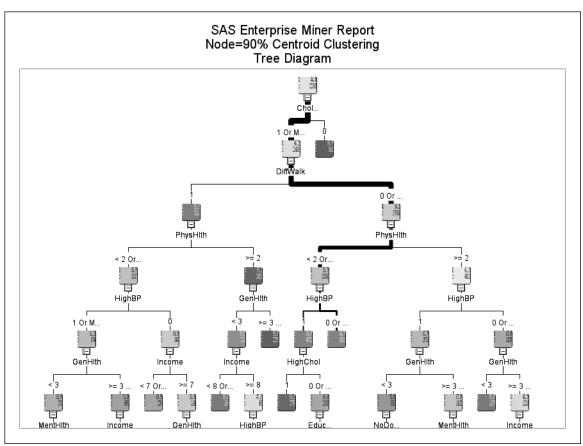
Role	Level	Frequency Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHlth Income MentHlth PhysHlth
ID	INTERVAL	1	_dataobs_

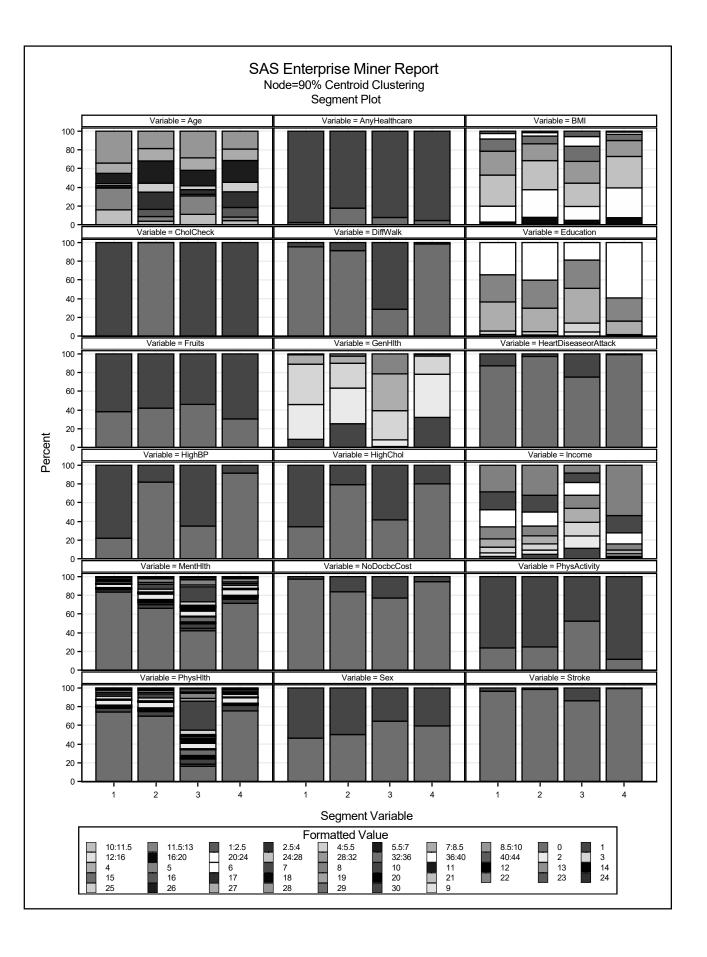
# Node=90% Centroid Clustering Mean Statistics

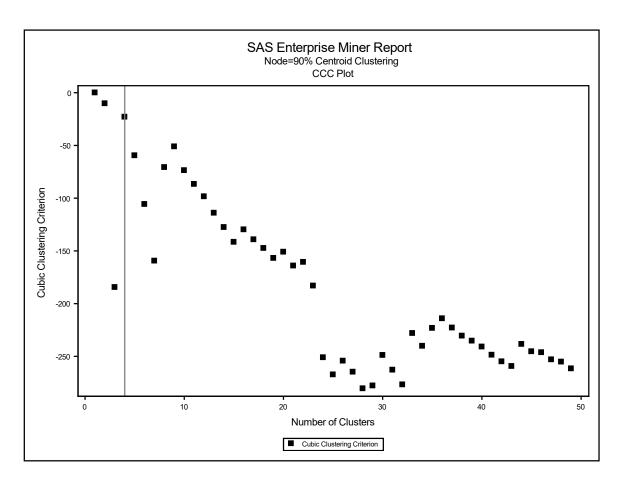
Variable	Segment 1	Segment 2	Segment 3	Segment 4
Clustering Criterion	0.69	0.69	0.69	0.69
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01	0.01
Improvement in Clustering Criterion	•			
Frequency of Cluster	73201.00	8408.00	42407.00	99072.00
Root-Mean-Square Standard Deviation	0.68	0.77	0.85	0.62
Maximum Distance from Cluster Seed	9.28	10.16	9.61	8.68
Nearest Cluster	4.00	4.00	1.00	1.00
Distance to Nearest Cluster	2.43	5.39	3.13	2.43
Age	9.74	6.65	8.97	6.52
ВМІ	28.79	26.79	29.94	26.30
AnyHealthcare=0	0.02	0.18	0.08	0.04
AnyHealthcare=1	0.98	0.82	0.92	0.96

		Segment	Segment	Segment
Variable	Segment 1	2	3	4
CholCheck=0	-0.00	1.00	0.00	0.00
CholCheck=1	1.00	0.00	1.00	1.00
DiffWalk=0	0.95	0.91	0.29	0.98
DiffWalk=1	0.05	0.09	0.71	0.02
Fruits=0	0.38	0.42	0.46	0.30
Fruits=1	0.62	0.58	0.54	0.70
HeartDiseaseorAttack=0	0.87	0.97	0.75	0.99
HeartDiseaseorAttack=1	0.13	0.03	0.25	0.01
HighBP=0	0.22	0.82	0.35	0.92
HighBP=1	0.78	0.18	0.65	0.08
HighChol=0	0.34	0.79	0.42	0.80
HighChol=1	0.66	0.21	0.58	0.20
HvyAlcoholConsump=0	0.94	0.92	0.96	0.94
HvyAlcoholConsump=1	0.06	0.08	0.04	0.06
NoDocbcCost=0	0.97	0.84	0.77	0.95
NoDocbcCost=1	0.03	0.16	0.23	0.05
PhysActivity=0	0.24	0.25	0.52	0.12
PhysActivity=1	0.76	0.75	0.48	0.88
Sex=0	0.46	0.50	0.64	0.59
Sex=1	0.54	0.50	0.36	0.41
Smoker=0	0.47	0.53	0.39	0.69
Smoker=1	0.53	0.47	0.61	0.31
Stroke=0	0.96	0.98	0.86	1.00
Stroke=1	0.04	0.02	0.14	0.00
Veggies=0	0.21	0.20	0.30	0.12
Veggies=1	0.79	0.80	0.70	0.88
Transform: Education	0.45	0.49	0.35	0.60
Transform: GenHlth	0.54	0.43	0.80	0.35
Transform: Income	0.47	0.48	0.27	0.62
Transform: MentHlth	0.43	0.52	0.66	0.48
Transform: PhysHlth	0.44	0.46	0.79	0.43









### Node=90% Ward Clustering Summary

Node id = Clus4 Node label = 90% Ward Clustering Meta path = Ids => Filter => Smpl => Varsel2 => Clus4 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		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				

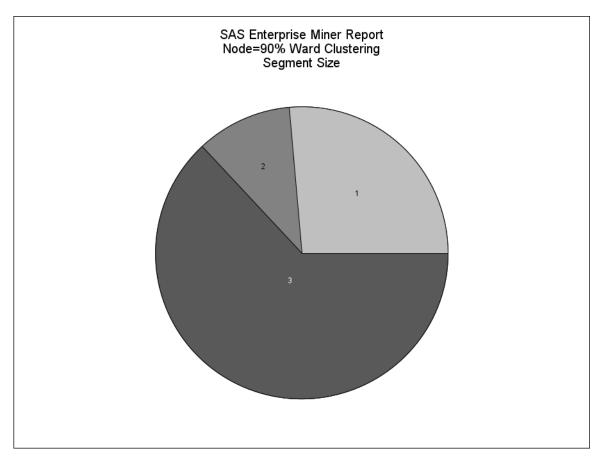
# Node=90% Ward Clustering Variable Summary

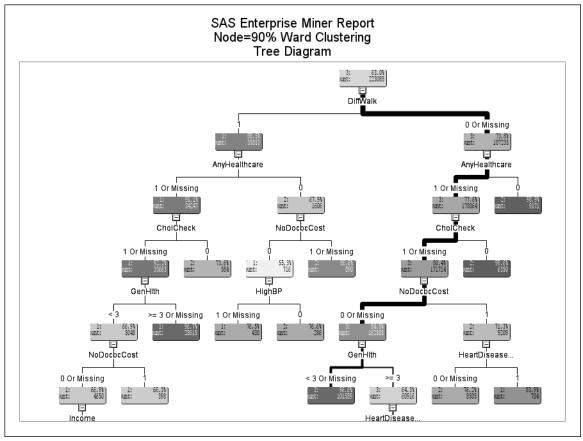
Role	Level	Frequency Count	Name
INPUT	BINARY	14	AnyHealthcare CholCheck DiffWalk Fruits HeartDiseaseorAttack HighBP HighChol HvyAlcoholConsump NoDocbcCost PhysActivity Sex Smoker Stroke Veggies
INPUT	INTERVAL	2	Age BMI
INPUT	ORDINAL	5	Education GenHlth Income MentHlth PhysHlth
ID	INTERVAL	1	_dataobs_

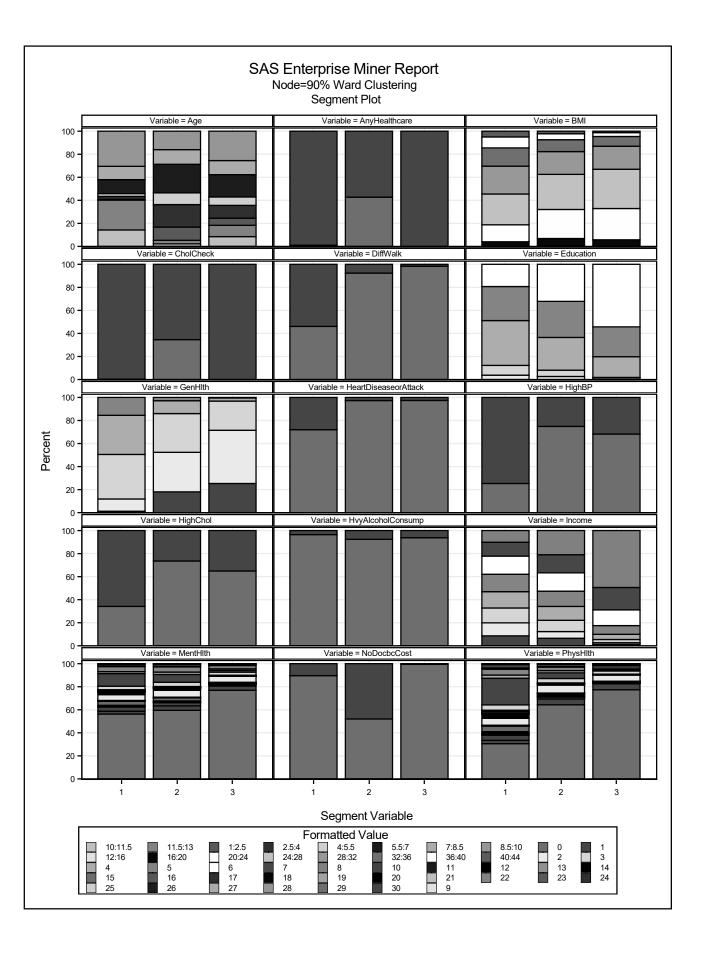
# Node=90% Ward Clustering Mean Statistics

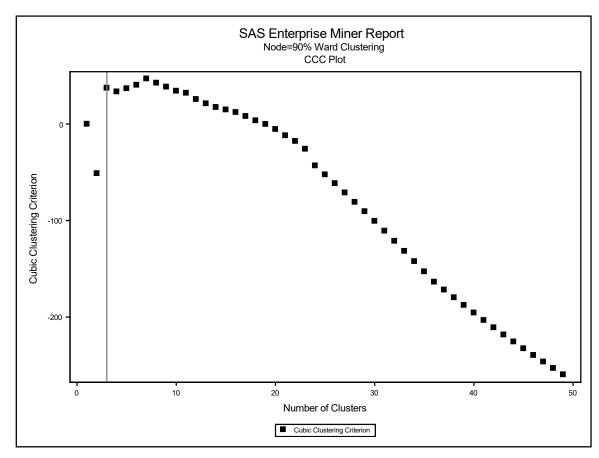
	Segment	Segment	
Variable	1	2	Segment 3
Clustering Criterion	0.71	0.71	0.71
Maximum Relative Change in Cluster Seeds	0.01	0.01	0.01
Improvement in Clustering Criterion			
Frequency of Cluster	58849.00	23775.00	140464.00
Root-Mean-Square Standard Deviation	0.81	0.94	0.62
Maximum Distance from Cluster Seed	9.58	10.40	7.86
Nearest Cluster	3.00	3.00	1.00
Distance to Nearest Cluster	3.37	3.45	3.37
Age	9.69	6.14	7.69
ВМІ	29.78	27.56	27.06
AnyHealthcare=0	0.01	0.43	0.00
AnyHealthcare=1	0.99	0.57	1.00

	Seament	Segment	
Variable	1	2	Segment 3
CholCheck=0	0.00	0.35	-0.00
CholCheck=1	1.00	0.65	1.00
DiffWalk=0	0.46	0.92	0.98
DiffWalk=1	0.54	0.08	0.02
Fruits=0	0.45	0.41	0.32
Fruits=1	0.55	0.59	0.68
HeartDiseaseorAttack=0	0.72	0.97	0.97
HeartDiseaseorAttack=1	0.28	0.03	0.03
HighBP=0	0.25	0.75	0.68
HighBP=1	0.75	0.25	0.32
HighChol=0	0.34	0.74	0.65
HighChol=1	0.66	0.26	0.35
HvyAlcoholConsump=0	0.96	0.92	0.94
HvyAlcoholConsump=1	0.04	0.08	0.06
NoDocbcCost=0	0.90	0.52	0.99
NoDocbcCost=1	0.10	0.48	0.01
PhysActivity=0	0.48	0.24	0.13
PhysActivity=1	0.52	0.76	0.87
Sex=0	0.59	0.55	0.54
Sex=1	0.41	0.45	0.46
Smoker=0	0.39	0.54	0.63
Smoker=1	0.61	0.46	0.37
Stroke=0	0.87	0.99	0.99
Stroke=1	0.13	0.01	0.01
Veggies=0	0.30	0.20	0.14
Veggies=1	0.70	0.80	0.86
Transform: Education	0.35	0.44	0.57
Transform: GenHlth	0.76	0.50	0.39
Transform: Income	0.30	0.40	0.60
Transform: MentHlth	0.58	0.55	0.46
Transform: PhysHlth	0.70	0.49	0.42









End of Report