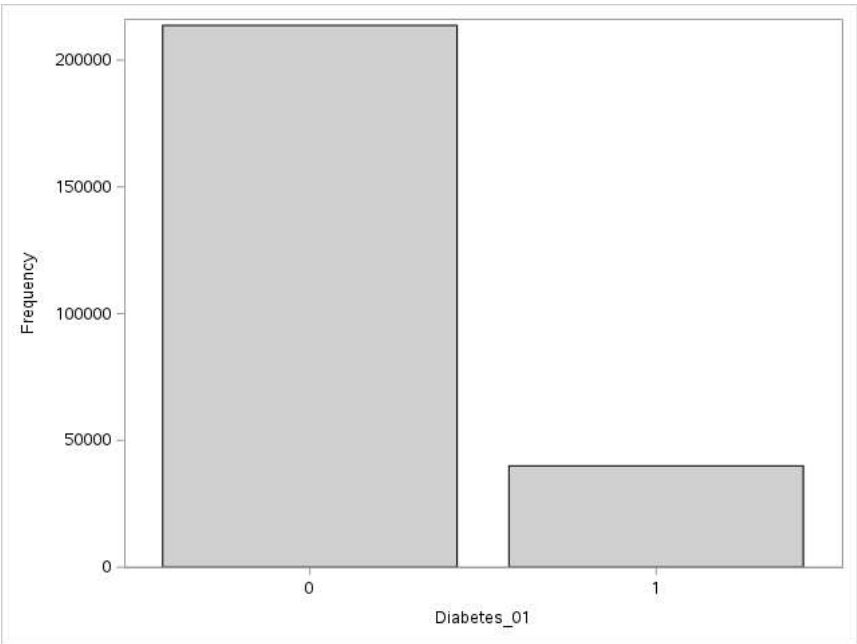


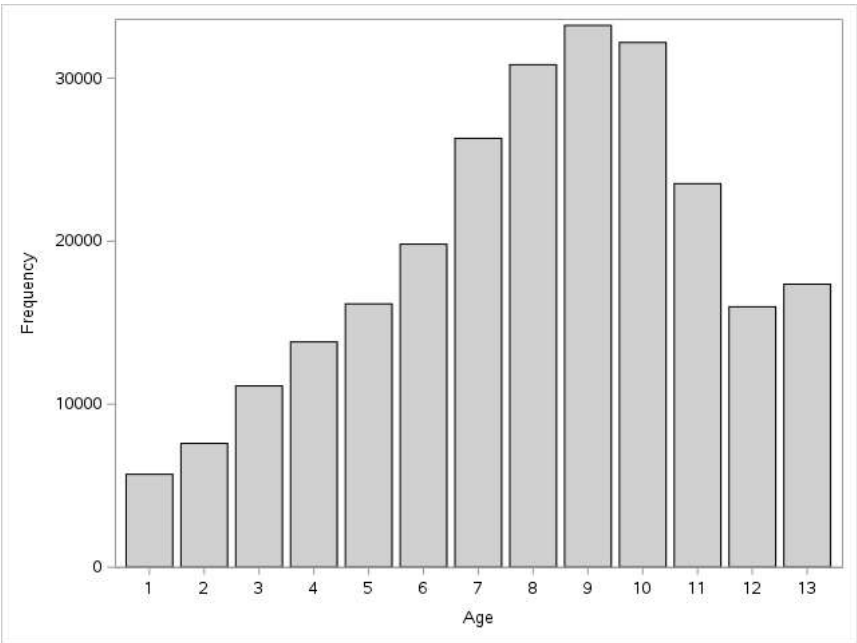
The FREQ Procedure

Diabetes_01	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	213703	84.24	213703	84.24
1	39977	15.76	253680	100.00



The FREQ Procedure

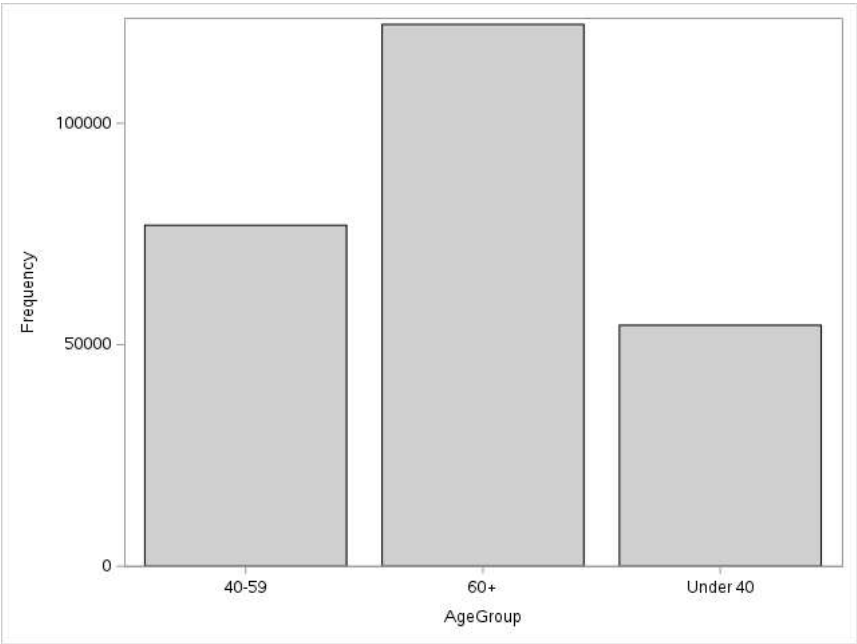
Age	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	5700	2.25	5700	2.25
2	7598	3.00	13298	5.24
3	11123	4.38	24421	9.63
4	13823	5.45	38244	15.08
5	16157	6.37	54401	21.44
6	19819	7.81	74220	29.26
7	26314	10.37	100534	39.63
8	30832	12.15	131366	51.78
9	33244	13.10	164610	64.89
10	32194	12.69	196804	77.58
11	23533	9.28	220337	86.86
12	15980	6.30	236317	93.16
13	17363	6.84	253680	100.00



The FREQ Procedure

Age	AgeGroup	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	Under 40	5700	2.25	5700	2.25
2	Under 40	7598	3.00	13298	5.24
3	Under 40	11123	4.38	24421	9.63
4	Under 40	13823	5.45	38244	15.08
5	Under 40	16157	6.37	54401	21.44
6	40-59	19819	7.81	74220	29.26
7	40-59	26314	10.37	100534	39.63
8	40-59	30832	12.15	131366	51.78
9	60+	33244	13.10	164610	64.89
10	60+	32194	12.69	196804	77.58
11	60+	23533	9.28	220337	86.86
12	60+	15980	6.30	236317	93.16
13	60+	17363	6.84	253680	100.00

AgeGroup	Frequency	Percent	Cumulative Frequency	Cumulative Percent
40-59	76965	30.34	76965	30.34
60+	122314	48.22	199279	78.56
Under 40	54401	21.44	253680	100.00



The UNIVARIATE Procedure
Variable: BMI

Moments			
N	253680	Sum Weights	253680
Mean	28.3823636	Sum Observations	7200038
Std Deviation	6.6086942	Variance	43.674839
Skewness	2.12200376	Kurtosis	10.9974733
Uncorrected SS	215433486	Corrected SS	11079389.5
Coeff Variation	23.2845097	Std Error Mean	0.01312117

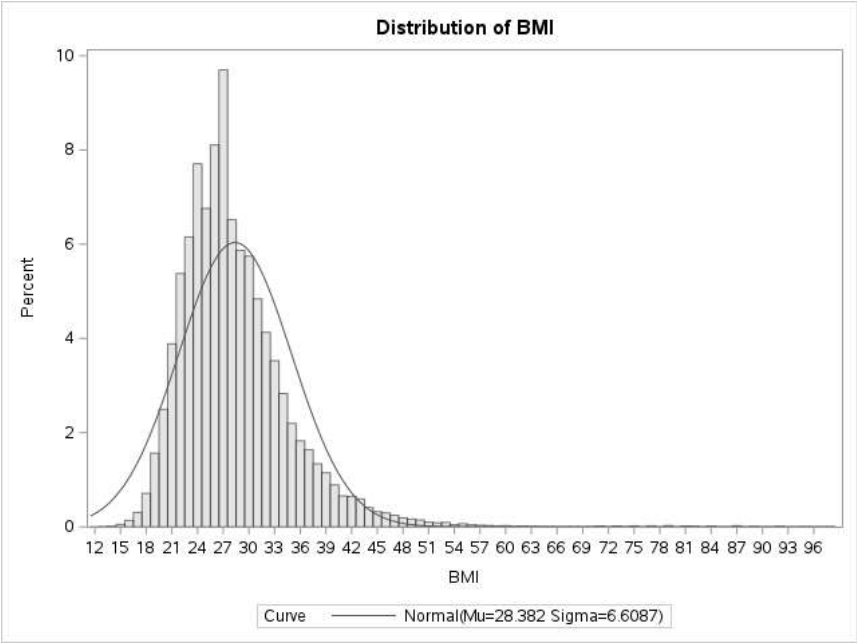
Basic Statistical Measures			
Location		Variability	
Mean	28.38236	Std Deviation	6.60869
Median	27.00000	Variance	43.67484
Mode	27.00000	Range	86.00000
		Interquartile Range	7.00000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	2163.097	Pr > t	<.0001
Sign	M	126840	Pr >= M	<.0001
Signed Rank	S	1.609E10	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	98
99%	50
95%	40
90%	36
75% Q3	31
50% Median	27
25% Q1	24
10%	22
5%	20
1%	18
0% Min	12

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
12	239608	98	76397
12	210864	98	76533
12	177463	98	79479
12	136037	98	79508
12	98003	98	79555

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Fitted Normal Distribution for BMI

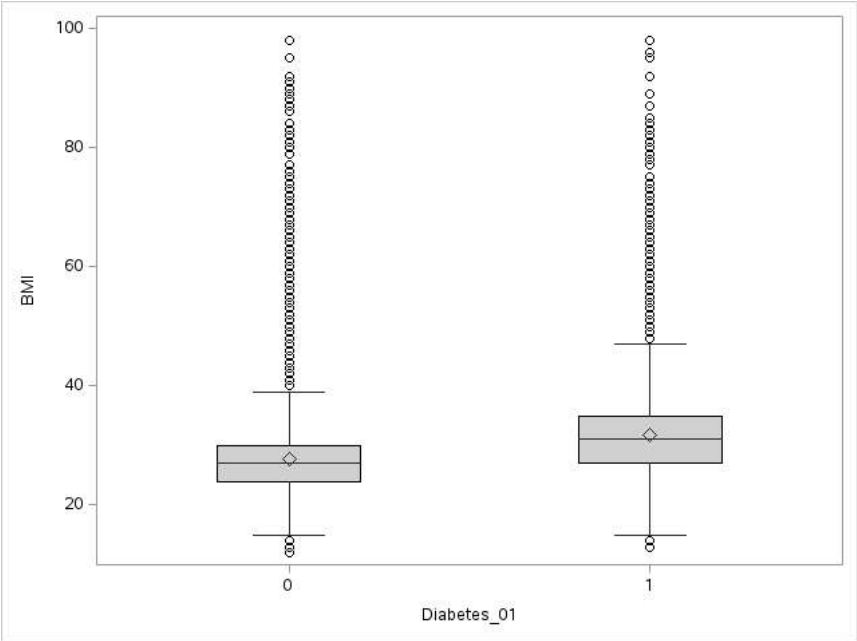
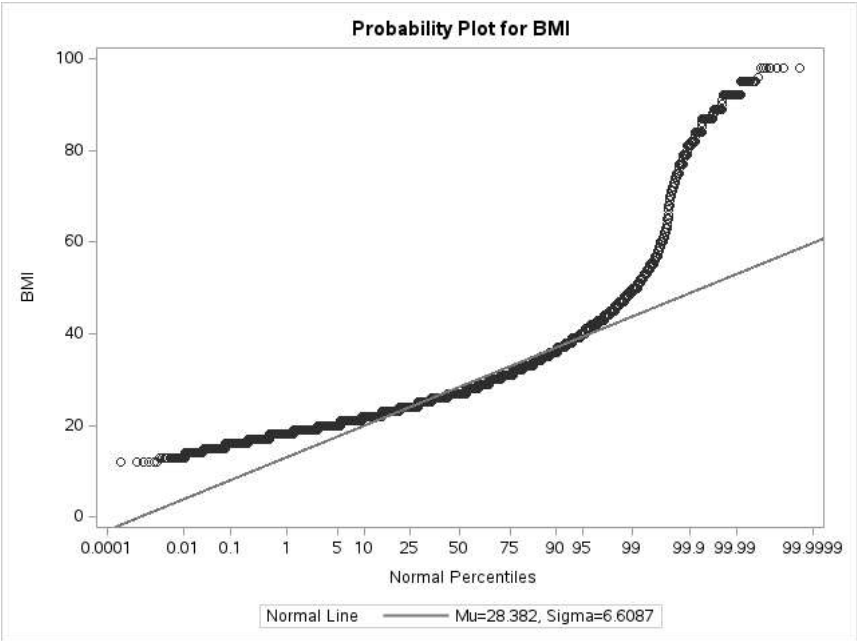
Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	28.38236
Std Dev	Sigma	6.608694

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.11807	Pr > D	<0.010
Cramer-von Mises	W-Sq	867.60802	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	5128.22547	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	18.0000	13.0082
5.0	20.0000	17.5120
10.0	22.0000	19.9130

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
25.0	24.0000	23.9249
50.0	27.0000	28.3824
75.0	31.0000	32.8399
90.0	36.0000	36.8517
95.0	40.0000	39.2527
99.0	50.0000	43.7565

The UNIVARIATE Procedure



The ANOVA Procedure

Class Level Information		
Class	Levels	Values
AgeGroup	3	40-59 60+ Under 40

Number of Observations Read	253680
Number of Observations Used	253680

The ANOVA Procedure

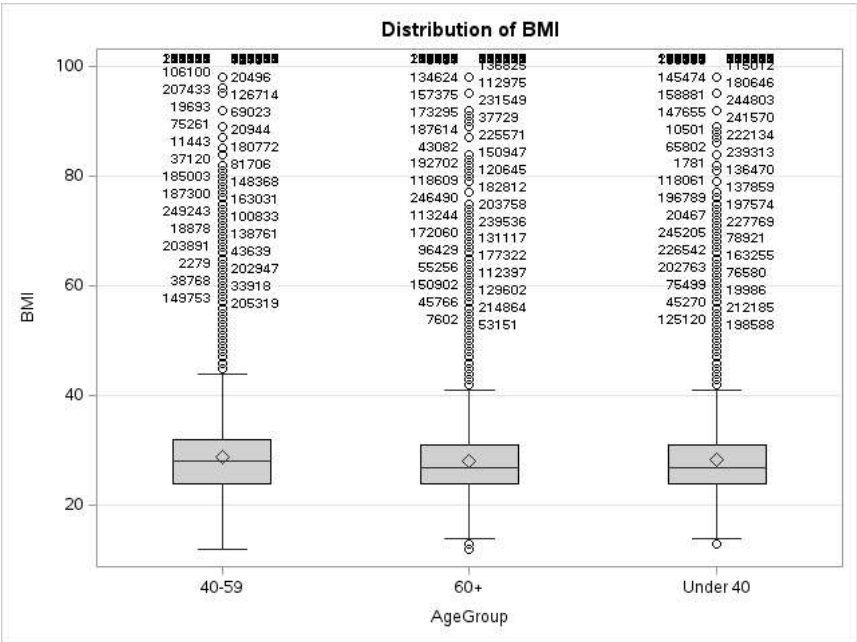
Dependent Variable: BMI

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	36663.80	18331.90	421.13	<.0001
Error	253677	11042725.70	43.53		
Corrected Total	253679	11079389.49			

R-Square	Coeff Var	Root MSE	BMI Mean
0.003309	23.24604	6.597776	28.38236

Source	DF	Anova SS	Mean Square	F Value	Pr > F
AgeGroup	2	36663.79882	18331.89941	421.13	<.0001

The ANOVA Procedure



The ANOVA Procedure

Tukey's Studentized Range (HSD) Test for BMI

Note: This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	253677
Error Mean Square	43.53065
Critical Value of Studentized Range	3.31451

Comparisons significant at the 0.05 level are indicated by ***.				
AgeGroup Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
40-59 - Under 40	0.69714	0.61052	0.78375	***
40-59 - 60+	0.86688	0.79573	0.93802	***
Under 40 - 40-59	-0.69714	-0.78375	-0.61052	***
Under 40 - 60+	0.16974	0.09005	0.24943	***
60+ - 40-59	-0.86688	-0.93802	-0.79573	***
60+ - Under 40	-0.16974	-0.24943	-0.09005	***

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=3 Maxiter=1

Initial Seeds																			
Cluster	HighBP	HighChol	CholCheck	Smoker	Stroke	HeartDiseaseorAttack	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	AnyHealthcare	NoDocbcCost	GenHlth	MentHlth	BMI	PhysHlth	DiffWalk	Age	Education
1	1.00000000	1.00000000	1.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	1.00000000	0.00000000	1.00000000	0.00000000	2.00000000	0.00000000	98.00000000	0.00000000	0.00000000	13.00000000	5.00000000
2	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	1.00000000	1.00000000	1.00000000	0.00000000	0.00000000	0.00000000	3.00000000	0.00000000	12.00000000	0.00000000	1.00000000	13.00000000	5.00000000
3	0.00000000	1.00000000	1.00000000	1.00000000	0.00000000	0.00000000	1.00000000	0.00000000	1.00000000	0.00000000	1.00000000	0.00000000	5.00000000	30.00000000	56.00000000	30.00000000	1.00000000	1.00000000	4.00000000

Criterion Based on Final Seeds = 2,4594

Cluster Summary						
Cluster	Frequency	RMS Std Deviation	Maximum Distance from Seed to Observation	Radius Exceeded	Nearest Cluster	Distance Between Cluster Centroids
1	1413	3.8142	45.5717		2	38.9955
2	220065	1.9327	31.4190		3	25.5031
3	32202	4.2329	39.1357		2	25.5031

Statistics for Variables				
Variable	Total STD	Within STD	R-Square	RSQ/(1-RSQ)
HighBP	0.49493	0.49035	0.018460	0.018807
HighChol	0.49421	0.49149	0.010972	0.011094
CholCheck	0.18957	0.18954	0.000350	0.000350
Smoker	0.49676	0.49351	0.013045	0.013217
Stroke	0.19729	0.19572	0.015924	0.016182
HeartDiseaseorAttack	0.29209	0.28881	0.022323	0.022832
PhysActivity	0.42917	0.42023	0.041213	0.042984
Fruits	0.48164	0.48082	0.003425	0.003436
Veggies	0.39118	0.39029	0.004525	0.004546
HvyAlcoholConsump	0.23030	0.23027	0.000267	0.000267
AnyHealthcare	0.21576	0.21568	0.000772	0.000772
NoDocbcCost	0.27765	0.27398	0.026285	0.026995
GenHlth	1.06848	0.94932	0.210604	0.266791
MentHlth	7.41285	5.88930	0.368820	0.584333
BMI	6.60869	5.88136	0.208008	0.262640
PhysHlth	8.71795	5.07567	0.661036	1.950163
DiffWalk	0.37407	0.34063	0.170806	0.205990
Age	3.05422	3.04941	0.003157	0.003167
Education	0.98577	0.97457	0.022616	0.023140
Income	2.07115	1.99960	0.067907	0.072854
OVER-ALL	3.09952	2.36557	0.417522	0.716803

Pseudo F Statistic = 90918.24

Approximate Expected Over-All R-Squared = 0.45733

Cubic Clustering Criterion = -90.921

WARNING: The two values above are invalid for correlated variables.

Cluster Means																			
Cluster	HighBP	HighChol	CholCheck	Smoker	Stroke	HeartDiseaseorAttack	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	AnyHealthcare	NoDocbcCost	GenHlth	MentHlth	BMI	PhysHlth	DiffWalk	Age	Education
1	0.54493984	0.39561217	0.96319887	0.37154989	0.03255485	0.08634112	0.59377212	0.53290870	0.76008493	0.03113942	0.91861288	0.10898797	2.96461430	2.95753715	66.60934183	4.65534324	0.36730361	6.74734607	4.90728946
2	0.40277191	0.40443960	0.96130689	0.42190262	0.03106809	0.07749074	0.79054825	0.64523663	0.82169359	0.05758753	0.95333651	0.06678481	2.32120964	1.45914616	27.80440324	1.52081885	0.10808170	7.98479540	5.10795447
3	0.60316129	0.55987206	0.97195826	0.59164027	0.10586299	0.20862058	0.53130240	0.56366064	0.74346314	0.04779206	0.93686728	0.20194398	3.79119309	14.98748525	30.65471089	22.82075647	0.57049252	8.41189988	4.66362338

Cluster Standard Deviations																			
Cluster	HighBP	HighChol	CholCheck	Smoker	Stroke	HeartDiseaseorAttack	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	AnyHealthcare	NoDocbcCost	GenHlth	MentHlth	BMI	PhysHlth	DiffWalk	Age	Education
1	0.49815262	0.48915490	0.18833989	0.48339005	0.17753122	0.28096654	0.49130196	0.49909248	0.42718261	0.17375593	0.27352551	0.31173445	1.06323798	6.32508452	12.85312422	8.30027612	0.48224086	2.78105725	1.01645628
2	0.49045672	0.49078438	0.19286297	0.49386426	0.17350217	0.26736913	0.40691826	0.47844264	0.38277134	0.23296234	0.21091754	0.24964953	0.93176297	3.86049404	5.51237946	3.55212187	0.31048428	3.08997209	0.96283434
3	0.48924961	0.49641010	0.16509465	0.49153796	0.30766696	0.40632888	0.49902695	0.49593846	0.43672832	0.21332931	0.24320531	0.40145686	1.05684497	13.02425392	7.58906155	10.66319744	0.49501355	2.76867400	1.04950842

The FREQ Procedure

Diabetes_012	CLUSTER	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1	1027	0.40	1027	0.40
0	2	190260	75.00	191287	75.40
0	3	22416	8.84	213703	84.24
1	1	39	0.02	213742	84.26
1	2	3645	1.44	217387	85.69
1	3	947	0.37	218334	86.07
2	1	347	0.14	218681	86.20
2	2	26160	10.31	244841	96.52
2	3	8839	3.48	253680	100.00

The FASTCLUS Procedure
Replace=FULL Radius=0 Maxclusters=2 Maxiter=1

Initial Seeds																			
Cluster	HighBP	HighChol	CholCheck	Smoker	Stroke	HeartDiseaseorAttack	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	AnyHealthcare	NoDocbcCost	GenHlth	MentHlth	BMI	PhysHlth	DiffWalk	Age	Education
1	0.00000000	0.00000000	1.00000000	0.00000000	0.00000000	0.00000000	1.00000000	1.00000000	1.00000000	0.00000000	0.00000000	0.00000000	3.00000000	0.00000000	12.00000000	0.00000000	1.00000000	13.00000000	5.00000000
2	1.00000000	1.00000000	1.00000000	1.00000000	0.00000000	1.00000000	0.00000000	1.00000000	1.00000000	0.00000000	1.00000000	0.00000000	5.00000000	30.00000000	98.00000000	30.00000000	1.00000000	8.00000000	6.00000000

Criterion Based on Final Seeds = 2.9920

Cluster Summary						
Cluster	Frequency	RMS Std Deviation	Maximum Distance from Seed to Observation	Radius Exceeded	Nearest Cluster	Distance Between Cluster Centroids
1	248676	2.8964	40.9859		2	30.2350
2	5004	5.0327	39.0160		1	30.2350

Statistics for Variables				
Variable	Total STD	Within STD	R-Square	RSQ/(1-RSQ)
HighBP	0.49493	0.49361	0.005335	0.005364
HighChol	0.49421	0.49390	0.001264	0.001265
CholCheck	0.18957	0.18956	0.000106	0.000106

Statistics for Variables				
Variable	Total STD	Within STD	R-Square	RSQ/(1-RSQ)
Smoker	0.49676	0.49668	0.000338	0.000339
Stroke	0.19729	0.19718	0.001199	0.001200
HeartDiseaseorAttack	0.29209	0.29180	0.001939	0.001943
PhysActivity	0.42917	0.42704	0.009892	0.009991
Fruits	0.48164	0.48140	0.000998	0.000999
Veggies	0.39118	0.39101	0.000838	0.000838
HvyAlcoholConsump	0.23030	0.23026	0.000356	0.000356
AnyHealthcare	0.21576	0.21572	0.000324	0.000324
NoDocbcCost	0.27765	0.27706	0.004294	0.004312
GenHlth	1.06848	1.05242	0.029841	0.030759
MentHlth	7.41285	7.23688	0.046917	0.049227
BMI	6.60869	5.75719	0.241093	0.317685
PhysHlth	8.71795	8.45858	0.058622	0.062273
DiffWalk	0.37407	0.36738	0.035415	0.036715
Age	3.05422	3.05255	0.001096	0.001097
Education	0.98577	0.98424	0.003114	0.003123
Income	2.07115	2.05742	0.013217	0.013394
OVER-ALL	3.09952	2.95352	0.091999	0.101320

Pseudo F Statistic = 25702.63

Approximate Expected Over-All R-Squared = 0.29667

Cubic Clustering Criterion = -389.405

WARNING: The two values above are invalid for correlated variables.

Cluster Means																			
Cluster	HighBP	HighChol	CholCheck	Smoker	Stroke	HeartDiseaseorAttack	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	AnyHealthcare	NoDocbcCost	GenHlth	MentHlth	BMI	PhysHlth	DiffWalk	Age	Education
1	0.42387283	0.42162895	0.96239283	0.44187215	0.03960173	0.09236114	0.76259872	0.63641445	0.81302578	0.05681288	0.95160369	0.08159613	2.48520967	2.95700429	27.92205520	3.94265631	0.15823803	8.04646206	5.05823642
2	0.68385292	0.54796163	0.97641886	0.50759392	0.08872902	0.18485212	0.45563549	0.52697842	0.73161471	0.02557954	0.92366107	0.21243006	3.81254996	14.50379696	51.25759392	19.12210232	0.66446843	7.31934452	4.66266986

Cluster Standard Deviations																			
Cluster	HighBP	HighChol	CholCheck	Smoker	Stroke	HeartDiseaseorAttack	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	AnyHealthcare	NoDocbcCost	GenHlth	MentHlth	BMI	PhysHlth	DiffWalk	Age	Education
1	0.49417167	0.49382078	0.19024462	0.49661066	0.19502202	0.28953566	0.42549106	0.48103225	0.38989161	0.23148519	0.21460263	0.27374898	1.05217770	7.07193966	5.52108080	8.35855490	0.36496478	3.06186156	0.98322232
2	0.46501755	0.49774410	0.15175529	0.49999229	0.28438063	0.38821635	0.49807767	0.49932153	0.44316348	0.15789302	0.26556617	0.40906841	1.06421560	13.02609604	12.86494804	12.45610639	0.47222315	2.54732098	1.03357456

The FREQ Procedure

Diabetes_01	CLUSTER	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1	210877	83.13	210877	83.13
0	2	2826	1.11	213703	84.24
1	1	37799	14.90	251502	99.14
1	2	2178	0.86	253680	100.00