Program Summary - adhoc and normality for INPUT VARIABLES (INDEPENDENT VARIABLES) var.sas

Execution Environment

Author:	u64136608
File:	/home/u64136608/STAT 520 PROJECT/adhoc and normality for INPUT VARIABLES (INDEPENDENT VARIABLES) var.sas
SAS Platform:	Linux LIN X64 5.14.0-284.30.1.el9_2.x86_64
SAS Host:	ODAWS01-USW2.ODA.SAS.COM
SAS Version:	9.04.01M8P02222023
SAS Locale:	en_US
Submission Time:	10/19/2025, 12:21:15 PM
Browser Host:	104-63-252-32.LIGHTSPEED.SNDGCA.SBCGLOBAL.NET
User Agent:	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/141.0.0.0 Safari/537.36
Application Server:	ODAMID00-USW2.ODA.SAS.COM

Code: adhoc and normality for INPUT VARIABLES (INDEPENDENT VARIABLES) var.sas

```
ods noproctitle;

/*** Analyze numeric variables ***/
title "Descriptive Statistics for Numeric Variables";

proc means data=STPROJ.RCHERI n nmiss min mean median max std;
    var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
run;

title;

/* Added missing VAR statement before HISTOGRAM */
proc univariate data=STPROJ.RCHERI noprint;
    var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
    histogram FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
run;

title;

/* ---------- HISTOGRAMS ---------- */
title "Histograms for Selected Variables";
proc univariate data=STPROJ.RCHERI;
    var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
    histogram / normal; /* includes normal curve */
run;

/*** Histograms & Normality Tests ***/
title "Histograms and Normality Tests";

/* Removed invalid “normal” option from PROC line */
proc univariate data=STPROJ.RCHERI;
    var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
    histogram / normal;  /* Shows distribution with normal curve */
    inset n mean std skewness kurtosis / position=ne;
run;

title;

/*** Optional: Correlations Between Variables ***/
title "Correlation Matrix (Ad-Hoc Association Check)";
proc corr data=STPROJ.RCHERI pearson spearman;
    var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
run;
```

Log: adhoc and normality for INPUT VARIABLES (INDEPENDENT VARIABLES) var.sas

Notes (7)

```
1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
69
70         ods noproctitle;
71
72         /*** Analyze numeric variables ***/
73         title "Descriptive Statistics for Numeric Variables";
```

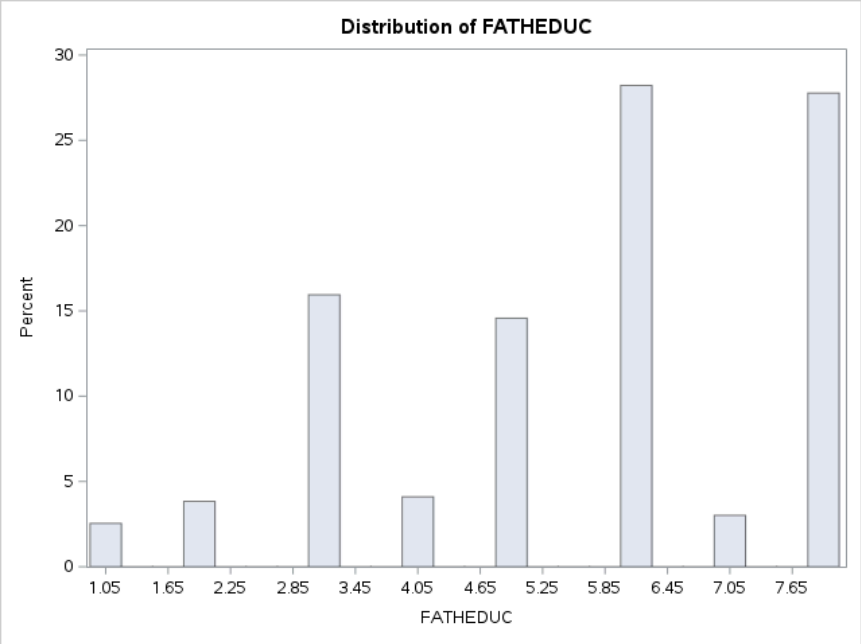
```
74
75          proc means data=STPROJ.RCHERI n nmiss min mean median max std;
76          var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
77          run;

NOTE: There were 5000 observations read from the data set STPROJ.RCHERI.
NOTE: PROCEDURE MEANS used (Total process time):
      real time           0.05 seconds
      user cpu time       0.04 seconds
      system cpu time     0.01 seconds
      memory              8518.45k
      OS Memory           34756.00k
      Timestamp           10/19/2025 07:21:10 PM
      Step Count                        167  Switch Count  3
      Page Faults                       0
      Page Reclaims                     1582
      Page Swaps                        0
      Voluntary Context Switches        31
      Involuntary Context Switches      2
      Block Input Operations            0
      Block Output Operations           8


78
79          title;
80
81          /* Added missing VAR statement before HISTOGRAM */
82          proc univariate data=STPROJ.RCHERI noprint;
83          var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
84          histogram FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
85          run;

NOTE: PROCEDURE UNIVARIATE used (Total process time):
      real time           0.51 seconds
      user cpu time       0.32 seconds
      system cpu time     0.03 seconds
      memory              14748.87k
      OS Memory           41228.00k
      Timestamp           10/19/2025 07:21:11 PM
      Step Count                        168  Switch Count  3
      Page Faults                       0
      Page Reclaims                     7159
      Page Swaps                        0
      Voluntary Context Switches        1156
      Involuntary Context Switches      20
      Block Input Operations            0
      Block Output Operations           3016


86
87          title;
88
89          /* ---------- HISTOGRAMS ---------- */
90          title "Histograms for Selected Variables";
91          proc univariate data=STPROJ.RCHERI;
92              var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
93              histogram / normal; /* includes normal curve */
94          run;

NOTE: PROCEDURE UNIVARIATE used (Total process time):
      real time           1.46 seconds
      user cpu time       1.10 seconds
      system cpu time     0.06 seconds
      memory              9332.78k
      OS Memory           41996.00k
      Timestamp           10/19/2025 07:21:12 PM
      Step Count                        169  Switch Count  4
      Page Faults                       0
      Page Reclaims                     4923
      Page Swaps                        0
      Voluntary Context Switches        9130
      Involuntary Context Switches      32
      Block Input Operations            0
      Block Output Operations           9744


95
96          /*** Histograms & Normality Tests ***/
97          title "Histograms and Normality Tests";
98
99          /* Removed invalid “normal” option from PROC line */
100         proc univariate data=STPROJ.RCHERI;
101             var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
102             histogram / normal;  /* Shows distribution with normal curve */
103             inset n mean std skewness kurtosis / position=ne;
```

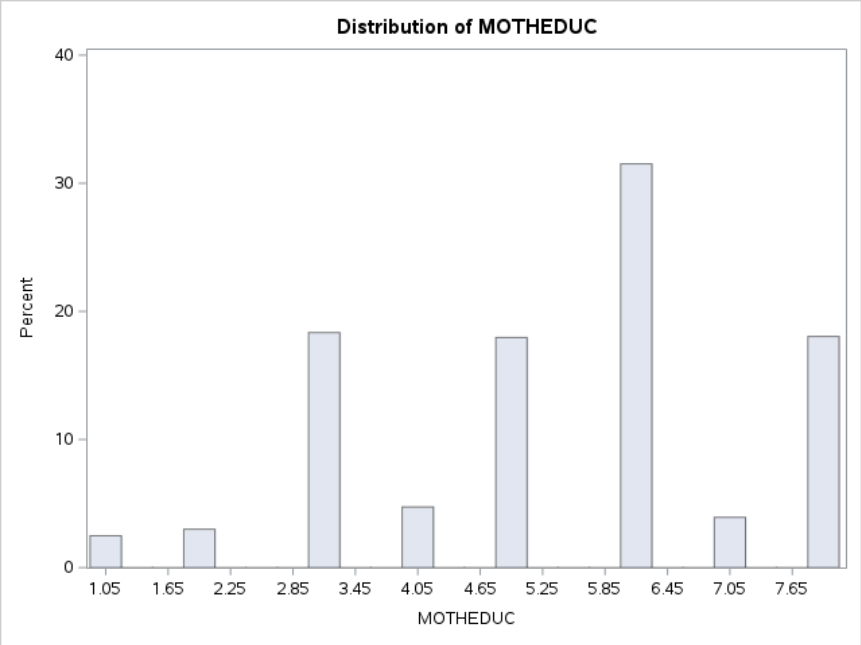
```
104        run;

NOTE: PROCEDURE UNIVARIATE used (Total process time):
      real time           1.67 seconds
      user cpu time       1.12 seconds
      system cpu time     0.09 seconds
      memory              9080.18k
      OS Memory           42252.00k
      Timestamp           10/19/2025 07:21:14 PM
      Step Count                        170  Switch Count  4
      Page Faults                       0
      Page Reclaims                     4924
      Page Swaps                        0
      Voluntary Context Switches        9082
      Involuntary Context Switches      37
      Block Input Operations            0
      Block Output Operations           4672


105
106        title;
107
108        /*** Optional: Correlations Between Variables ***/
109        title "Correlation Matrix (Ad-Hoc Association Check)";
110        proc corr data=STPROJ.RCHERI pearson spearman;
111            var FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07;
112        run;

NOTE: PROCEDURE CORR used (Total process time):
      real time           0.31 seconds
      user cpu time       0.31 seconds
      system cpu time     0.01 seconds
      memory              3526.90k
      OS Memory           39856.00k
      Timestamp           10/19/2025 07:21:14 PM
      Step Count                        171  Switch Count  4
      Page Faults                       0
      Page Reclaims                     245
      Page Swaps                        0
      Voluntary Context Switches        20
      Involuntary Context Switches      2
      Block Input Operations            0
      Block Output Operations           112


113
114
115        OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
125
```

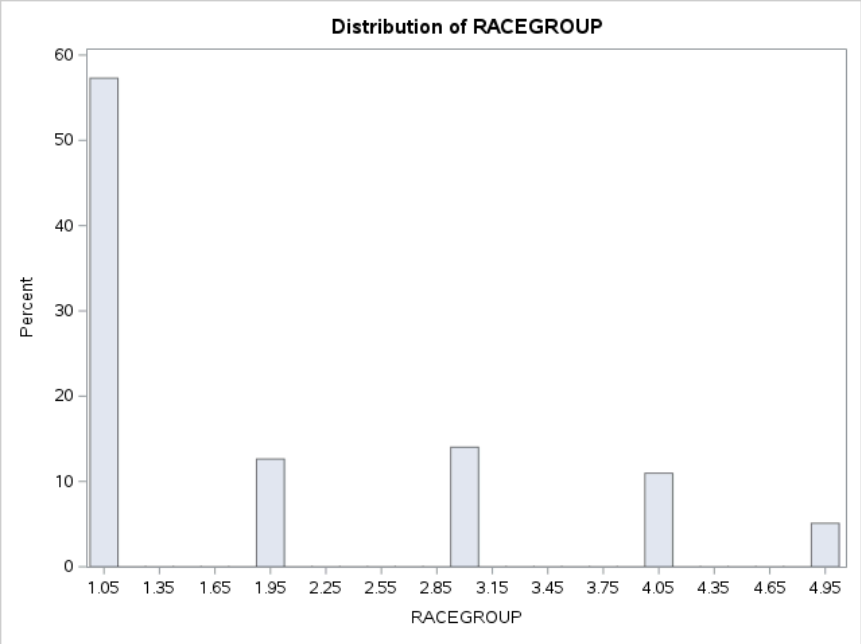
Results: adhoc and normality for INPUT VARIABLES (INDEPENDENT VARIABLES) var.sas

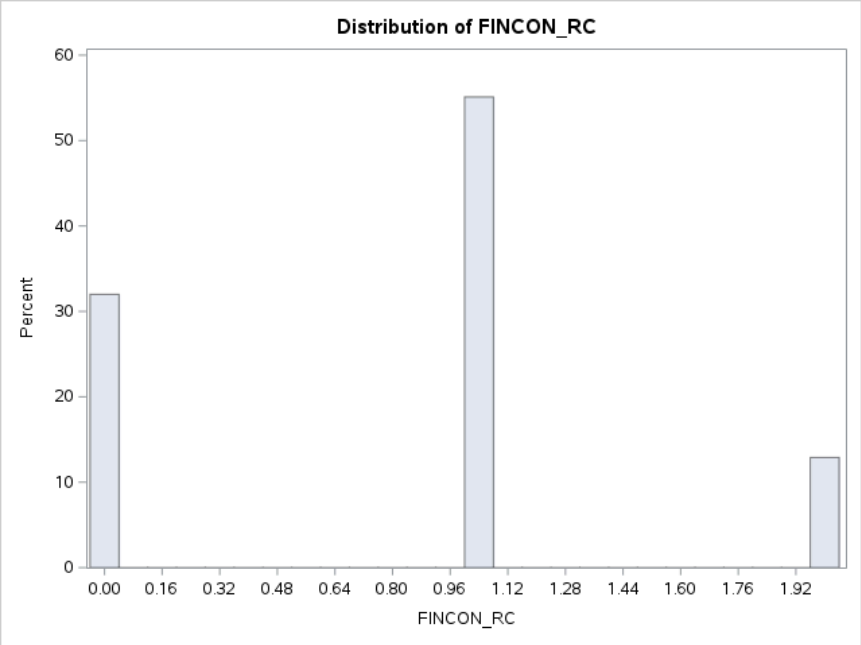
Descriptive Statistics for Numeric Variables

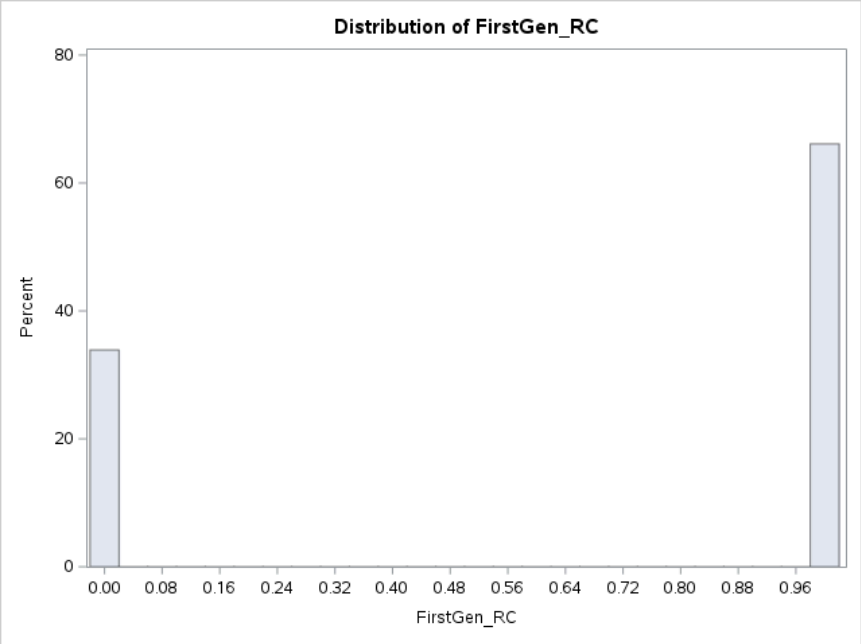
Variable	N	N Miss	Minimum	Mean	Median	Maximum	Std Dev
FATHEDUC	4879	121	1.0000000	5.5990982	6.0000000	8.0000000	1.9936264
MOTHEDUC	4944	56	1.0000000	5.3313107	6.0000000	8.0000000	1.8534904
RACEGROUP	4751	249	1.0000000	1.9393812	1.0000000	5.0000000	1.2676162
FINCON_RC	4847	153	0	0.8089540	1.0000000	2.0000000	0.6422803
FirstGen_RC	4863	137	0	0.6611145	1.0000000	1.0000000	0.4733795
INCOME	4516	484	1.0000000	9.3250664	10.0000000	14.0000000	3.1253900
HSGPA	4941	59	1.0000000	6.5539365	7.0000000	8.0000000	1.3441187
CITIZEN	4955	45	1.0000000	1.9315843	2.0000000	2.0000000	0.2524835
PLANLIVE	4991	9	1.0000000	2.8429173	3.0000000	6.0000000	0.6214030
DSstud_RC	5000	0	1.0000000	1.0054000	1.0000000	2.0000000	0.0732933
CSSRAT01	4901	99	1.0000000	3.9738829	4.0000000	5.0000000	0.6981984
CSSRAT07	4896	104	1.0000000	4.0729167	4.0000000	5.0000000	0.8040969

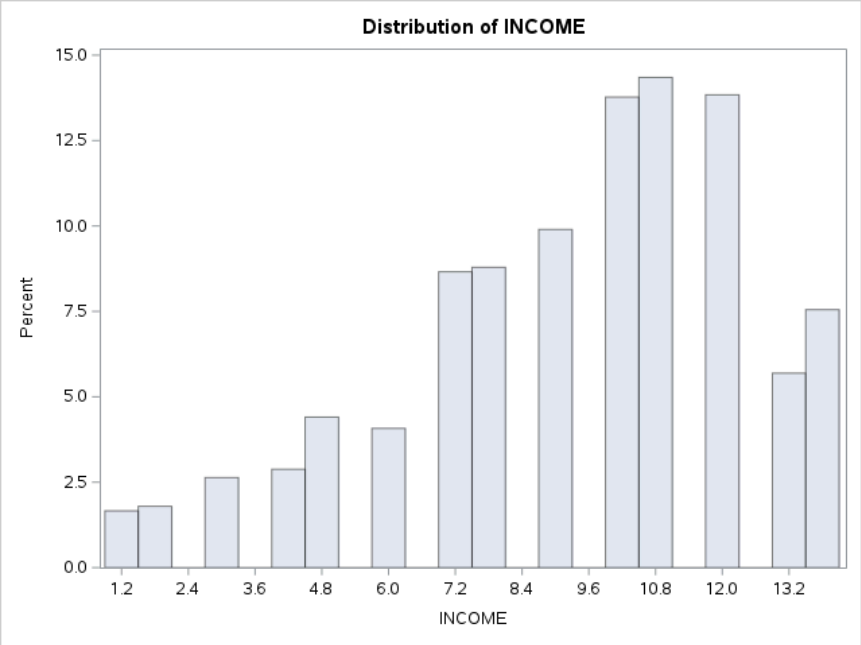

Distribution of FATHEDUC
Percent
0
5
10
15
20
25
30
1.05
1.65
2.25
2.85
3.45
4.05
4.65
5.25
5.85
6.45
7.05
7.65
FATHEDUC

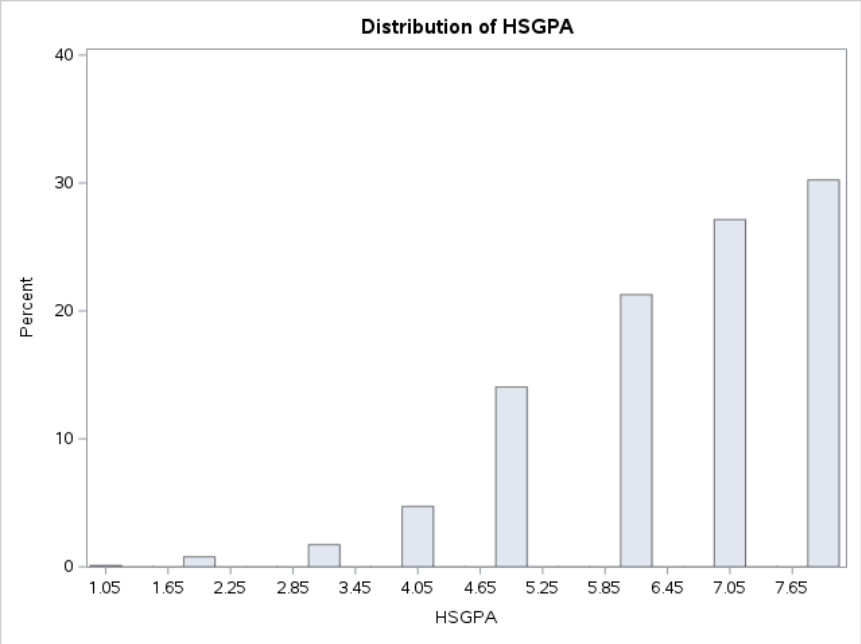

Distribution of MOTHEDUC
Percent
0
10
20
30
40
1.05
1.65
2.25
2.85
3.45
4.05
4.65
5.25
5.85
6.45
7.05
7.65
MOTHEDUC

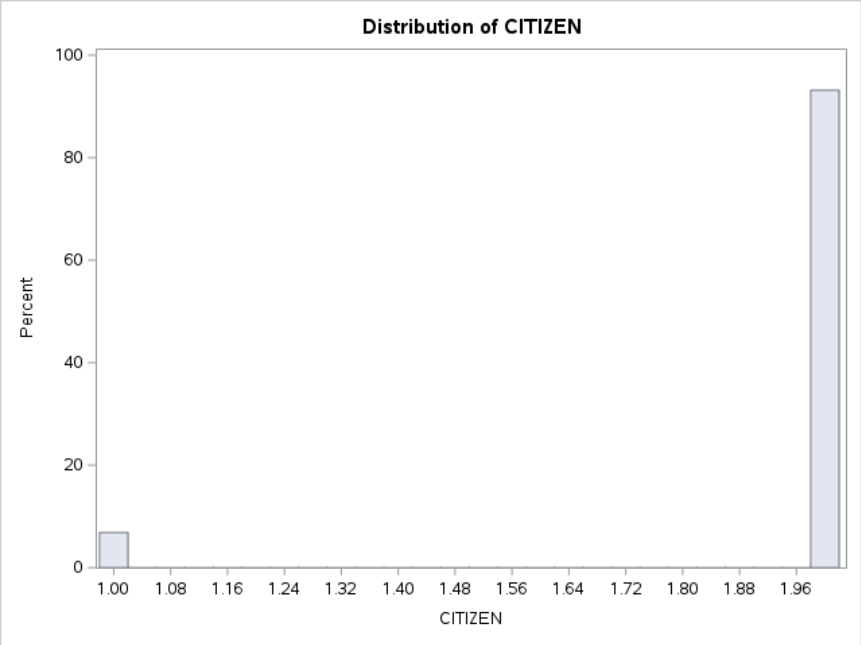

Distribution of RACEGROUP
Percent
0
10
20
30
40
50
60
1.05
1.35
1.65
1.95
2.25
2.55
2.85
3.15
3.45
3.75
4.05
4.35
4.65
4.95
RACEGROUP

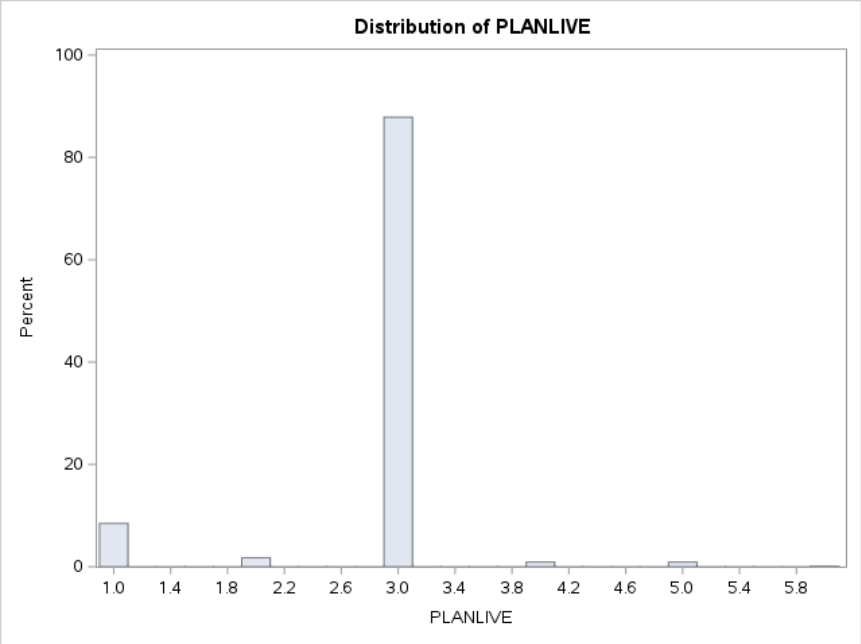

Distribution of FINCON_RC
Percent
0
10
20
30
40
50
60
0.00
0.16
0.32
0.48
0.64
0.80
0.96
1.12
1.28
1.44
1.60
1.76
1.92
FINCON_RC

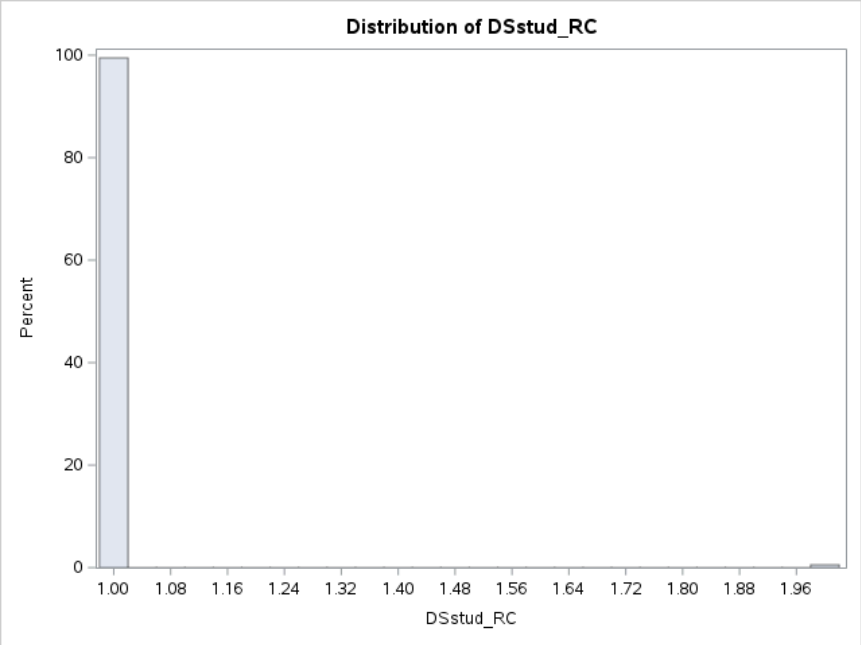

Distribution of FirstGen_RC
Percent
80
60
40
20
0
0.00
0.08
0.16
0.24
0.32
0.40
0.48
0.56
0.64
0.72
0.80
0.88
0.96
FirstGen_RC

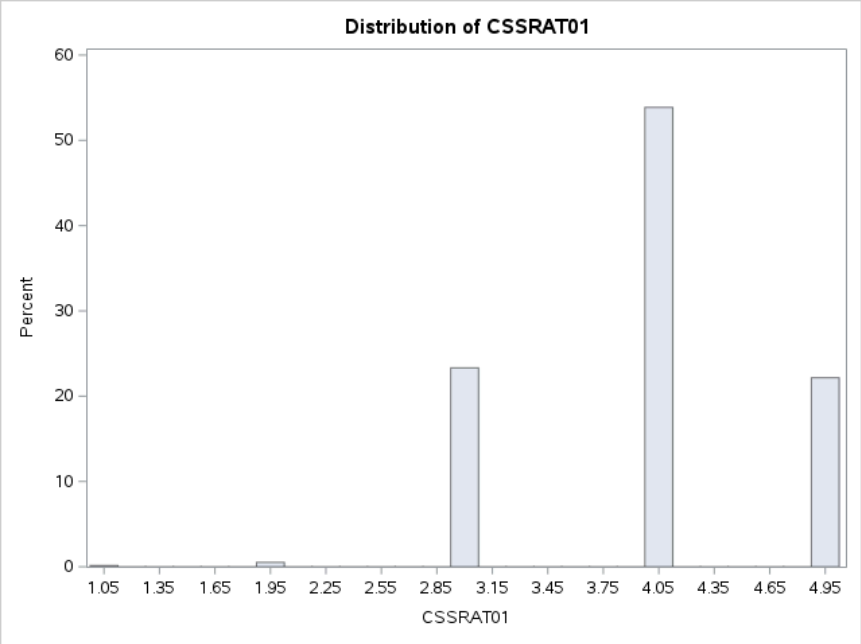

Distribution of INCOME
Percent
15.0
12.5
10.0
7.5
5.0
2.5
0.0
1.2
2.4
3.6
4.8
6.0
7.2
8.4
9.6
10.8
12.0
13.2
INCOME

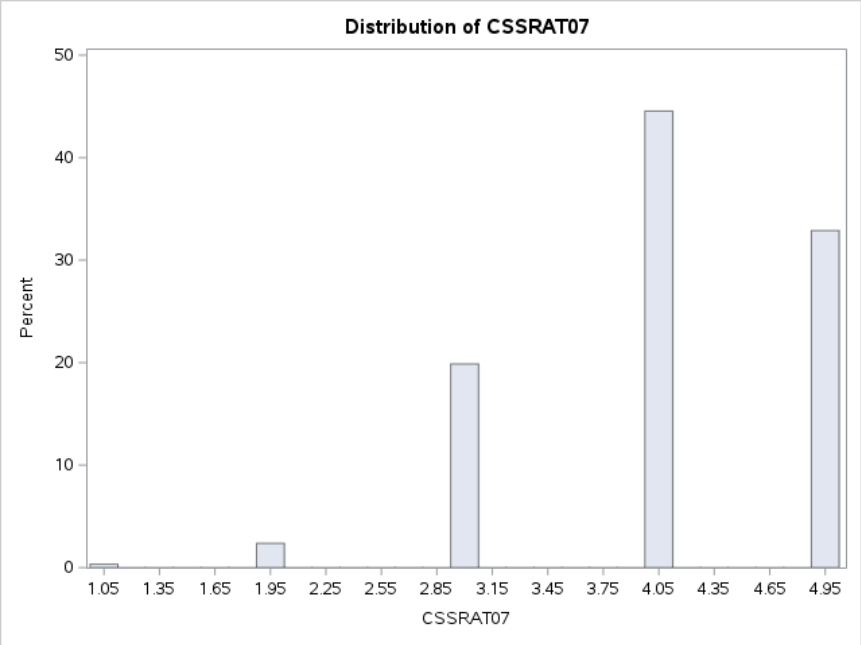

Distribution of HSGPA
Percent
40
30
20
10
0
1.05
1.65
2.25
2.85
3.45
4.05
4.65
5.25
5.85
6.45
7.05
7.65
HSGPA


Distribution of CITIZEN
Percent
100
80
60
40
20
0
1.00
1.08
1.16
1.24
1.32
1.40
1.48
1.56
1.64
1.72
1.80
1.88
1.96
CITIZEN


Distribution of PLANLIVE
Percent
100
80
60
40
20
0
1.0
1.4
1.8
2.2
2.6
3.0
3.4
3.8
4.2
4.6
5.0
5.4
5.8
PLANLIVE


Distribution of DSstud_RC
Percent
100
80
60
40
20
0
1.00
1.08
1.16
1.24
1.32
1.40
1.48
1.56
1.64
1.72
1.80
1.88
1.96
DSstud_RC





Histograms for Selected Variables

Variable: FATHEDUC

Moments			
N	4879	Sum Weights	4879
Mean	5.59909818	Sum Observations	27318
Std Deviation	1.99362638	Variance	3.97454613
Skewness	-0.4184093	Kurtosis	-0.8010247
Uncorrected SS	172344	Corrected SS	19387.836
Coeff Variation	35.606205	Std Error Mean	0.0285416

Basic Statistical Measures			
Location		Variability	
Mean	5.599098	Std Deviation	1.99363
Median	6.000000	Variance	3.97455
Mode	6.000000	Range	7.00000
		Interquartile Range	4.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	196.1732	Pr > |t|	<.0001

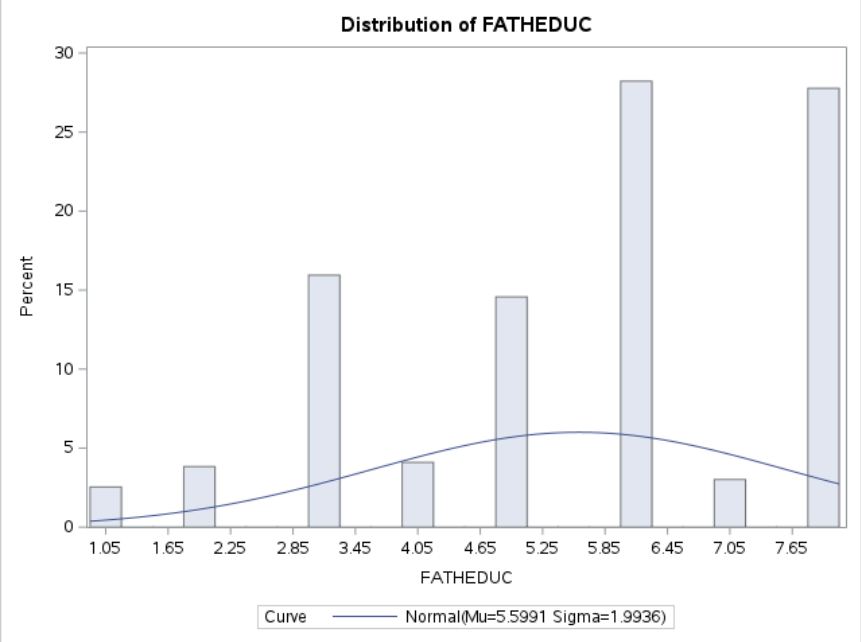
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2439.5	Pr >= |M|	<.0001
Signed Rank	S	5952380	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	8
90%	8
75% Q3	8
50% Median	6
25% Q1	4
10%	3
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4990	8	4982
1	4927	8	4991
1	4912	8	4993
1	4880	8	4994
1	4720	8	4996

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	121	2.42	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for FATHEDUC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.599098
Std Dev	Sigma	1.993626

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.169767	Pr > D	<0.010
Cramer-von Mises	W-Sq	26.566001	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	180.747786	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	1.00000	0.96123
5.0	2.00000	2.31987
10.0	3.00000	3.04416
25.0	4.00000	4.25442
50.0	6.00000	5.59910
75.0	8.00000	6.94378
90.0	8.00000	8.15403
95.0	8.00000	8.87832
99.0	8.00000	10.23697

Histograms for Selected Variables

Variable: MOTHEDUC

Moments			
N	4944	Sum Weights	4944
Mean	5.33131068	Sum Observations	26358
Std Deviation	1.85349035	Variance	3.43542648
Skewness	-0.293118	Kurtosis	-0.6657935
Uncorrected SS	157504	Corrected SS	16981.3131
Coeff Variation	34.7661291	Std Error Mean	0.02636035

Basic Statistical Measures			
Location		Variability	
Mean	5.331311	Std Deviation	1.85349
Median	6.000000	Variance	3.43543
Mode	6.000000	Range	7.00000
		Interquartile Range	2.00000

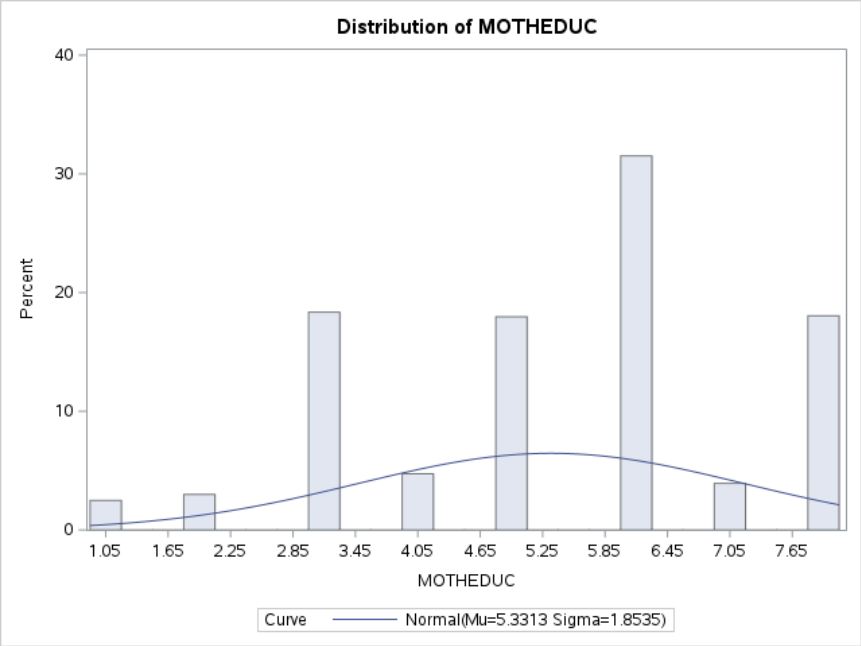
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	202.2474	Pr > |t|	<.0001
Sign	M	2472	Pr >= |M|	<.0001
Signed Rank	S	6112020	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	8
90%	8
75% Q3	6
50% Median	6
25% Q1	4
10%	3
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4990	8	4980
1	4987	8	4992
1	4912	8	4995
1	4895	8	4996
1	4852	8	4998

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	56	1.12	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for MOTHEDUC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.331311
Std Dev	Sigma	1.85349

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.175655	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	25.434825	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	154.554757	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	1.01945
5.0	2.00000	2.28259
10.0	3.00000	2.95597
25.0	4.00000	4.08115
50.0	6.00000	5.33131
75.0	6.00000	6.58147
90.0	8.00000	7.70665
95.0	8.00000	8.38003
99.0	8.00000	9.64317

Histograms for Selected Variables

Variable: RACEGROUP

Moments			
N	4751	**Sum Weights**	4751
Mean	1.93938118	**Sum Observations**	9214
Std Deviation	1.26761623	**Variance**	1.6068509
Skewness	1.03764058	**Kurtosis**	-0.2595282
Uncorrected SS	25502	**Corrected SS**	7632.54178
Coeff Variation	65.3618917	**Std Error Mean**	0.01839057

Basic Statistical Measures			
Location		**Variability**	
Mean	1.939381	**Std Deviation**	1.26762
Median	1.000000	**Variance**	1.60685
Mode	1.000000	**Range**	4.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	105.4552	**Pr > |t|**	<.0001

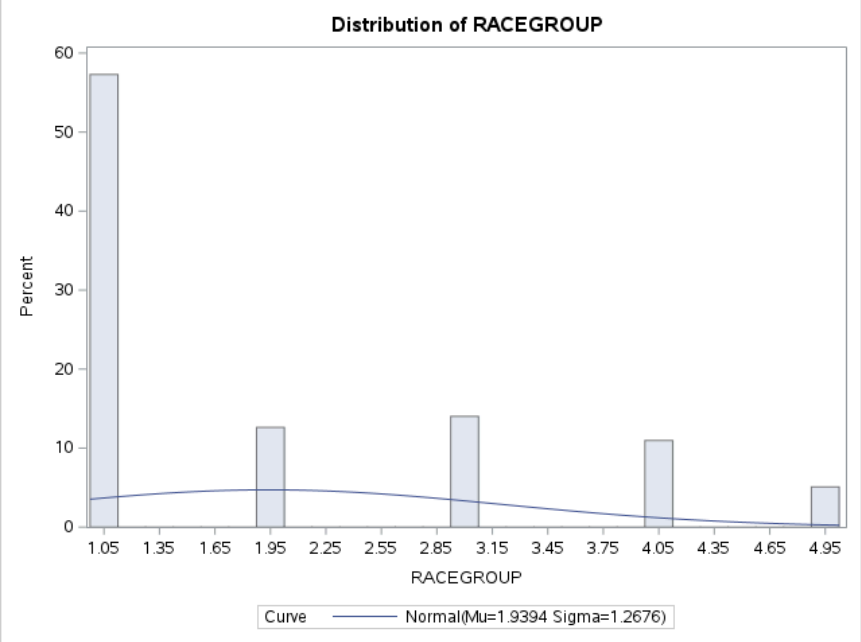
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2375.5	Pr >= |M|	<.0001
Signed Rank	S	5644188	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	4
75% Q3	3
50% Median	1
25% Q1	1
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4991	5	4871
1	4981	5	4888
1	4980	5	4892
1	4979	5	4932
1	4978	5	4969

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	249	4.98	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for RACEGROUP

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.939381
Std Dev	Sigma	1.267616

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.343604	Pr > D	<0.010
Cramer-von Mises	W-Sq	96.173699	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	539.486163	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	1.00000	-1.00954
5.0	1.00000	-0.14566
10.0	1.00000	0.31487
25.0	1.00000	1.08439
50.0	1.00000	1.93938
75.0	3.00000	2.79438
90.0	4.00000	3.56390
95.0	5.00000	4.02442
99.0	5.00000	4.88830

Histograms for Selected Variables

Variable: FINCON_RC

Moments			
N	4847	Sum Weights	4847
Mean	0.80895399	Sum Observations	3921
Std Deviation	0.64228033	Variance	0.41252402
Skewness	0.19755621	Kurtosis	-0.6640766
Uncorrected SS	5171	Corrected SS	1999.0914
Coeff Variation	79.3963975	Std Error Mean	0.00922546

Basic Statistical Measures			
Location		Variability	
Mean	0.808954	Std Deviation	0.64228
Median	1.000000	Variance	0.41252
Mode	1.000000	Range	2.00000
		Interquartile Range	1.00000

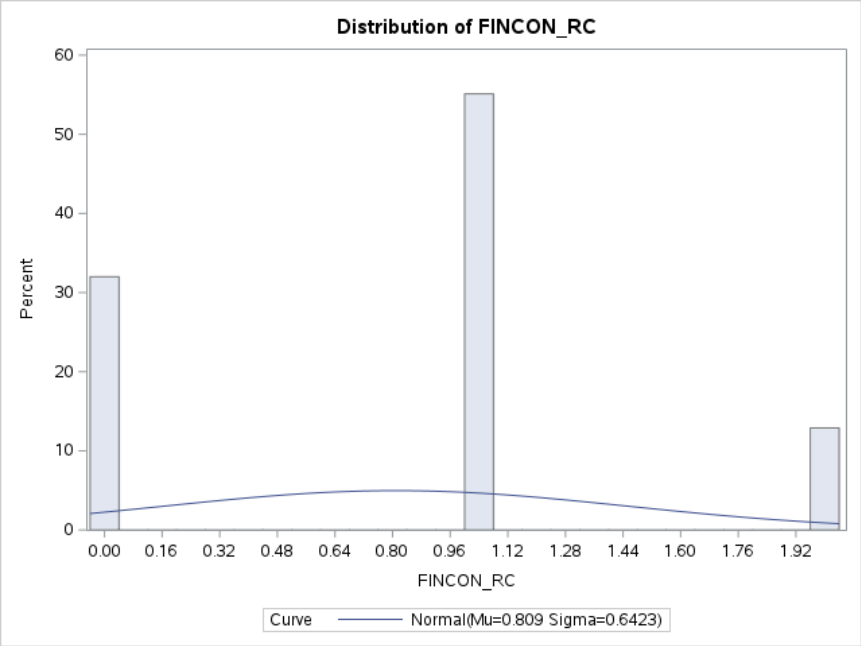
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	87.6871	Pr > |t|	<.0001
Sign	M	1648	Pr >= |M|	<.0001
Signed Rank	S	2716728	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	2
95%	2
90%	2
75% Q3	1
50% Median	1
25% Q1	0
10%	0
5%	0
1%	0
0% Min	0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	4982	2	4985
0	4981	2	4986
0	4980	2	4989
0	4976	2	4995
0	4974	2	4997

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	153	3.06	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for FINCON_RC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.808954
Std Dev	Sigma	0.64228

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.296947	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	88.459229	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	488.099052	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.68521
5.0	0.00000	-0.24750
10.0	0.00000	-0.01416
25.0	0.00000	0.37574
50.0	1.00000	0.80895
75.0	1.00000	1.24217
90.0	2.00000	1.63207
95.0	2.00000	1.86541
99.0	2.00000	2.30312

Histograms for Selected Variables

Variable: FirstGen_RC

Moments			
N	4863	**Sum Weights**	4863
Mean	0.66111454	**Sum Observations**	3215
Std Deviation	0.47337954	**Variance**	0.22408819
Skewness	-0.6809793	**Kurtosis**	-1.5368995
Uncorrected SS	3215	**Corrected SS**	1089.51676
Coeff Variation	71.6032562	**Std Error Mean**	0.00678824

Basic Statistical Measures			
Location		**Variability**	
Mean	0.661115	**Std Deviation**	0.47338
Median	1.000000	**Variance**	0.22409
Mode	1.000000	**Range**	1.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	97.39112	**Pr > |t|**	<.0001

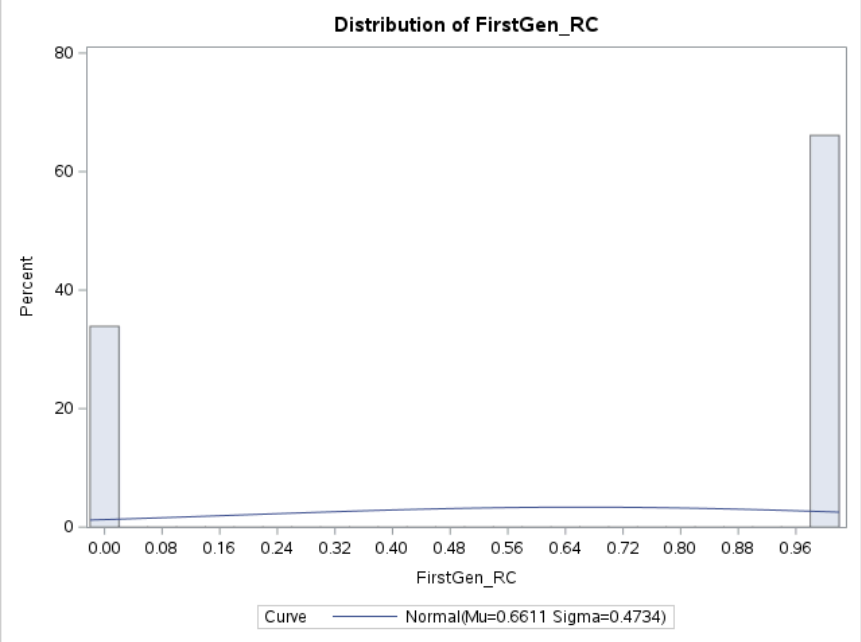
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	1607.5	Pr >= |M|	<.0001
Signed Rank	S	2584860	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1
99%	1
95%	1
90%	1
75% Q3	1
50% Median	1
25% Q1	0
10%	0
5%	0
1%	0
0% Min	0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	4998	1	4987
0	4996	1	4988
0	4995	1	4989
0	4994	1	4990
0	4993	1	4999

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	137	2.74	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for FirstGen_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.661115
Std Dev	Sigma	0.47338

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.424083	Pr > D	<0.010
Cramer-von Mises	W-Sq	173.805363	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	995.128239	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.00000	-0.44013
5.0	0.00000	-0.11753
10.0	0.00000	0.05445
25.0	0.00000	0.34182
50.0	1.00000	0.66111
75.0	1.00000	0.98040
90.0	1.00000	1.26777
95.0	1.00000	1.43975
99.0	1.00000	1.76236

Histograms for Selected Variables

Variable: INCOME

Moments			
N	4516	Sum Weights	4516
Mean	9.32506643	Sum Observations	42112
Std Deviation	3.12538999	Variance	9.76806256
Skewness	-0.6588608	Kurtosis	-0.1193078
Uncorrected SS	436800	Corrected SS	44102.8025
Coeff Variation	33.5160077	Std Error Mean	0.04650796

Basic Statistical Measures			
Location		Variability	
Mean	9.32507	Std Deviation	3.12539
Median	10.00000	Variance	9.76806
Mode	11.00000	Range	13.00000
		Interquartile Range	5.00000

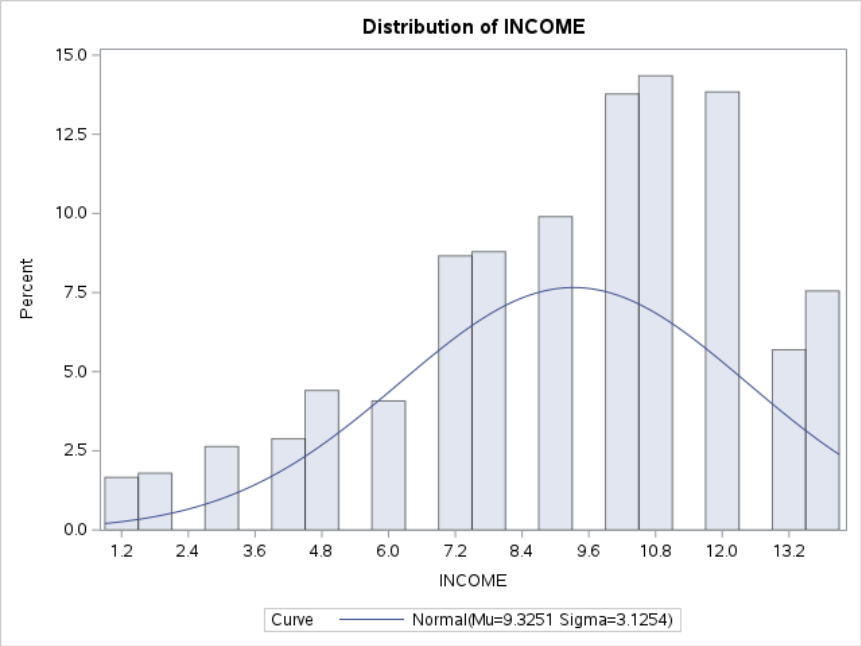
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	200.5048	Pr > |t|	<.0001
Sign	M	2258	Pr >= |M|	<.0001
Signed Rank	S	5099693	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	14
99%	14
95%	14
90%	13
75% Q3	12
50% Median	10
25% Q1	7
10%	5
5%	3
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4969	14	4803
1	4813	14	4819
1	4795	14	4850
1	4770	14	4864
1	4670	14	4900

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	484	9.68	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for INCOME

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.325066
Std Dev	Sigma	3.12539

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1375245	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	11.4324976	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	68.9893721	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	2.05432
5.0	3.00000	4.18426
10.0	5.00000	5.31972
25.0	7.00000	7.21702
50.0	10.00000	9.32507
75.0	12.00000	11.43311
90.0	13.00000	13.33041
95.0	14.00000	14.46588
99.0	14.00000	16.59581

Histograms for Selected Variables

Variable: HSGPA

Moments			
N	4941	**Sum Weights**	4941
Mean	6.55393645	**Sum Observations**	32383
Std Deviation	1.34411869	**Variance**	1.80665505
Skewness	-0.8579831	**Kurtosis**	0.43226699
Uncorrected SS	221161	**Corrected SS**	8924.87594
Coeff Variation	20.5085707	**Std Error Mean**	0.01912186

Basic Statistical Measures			
Location		**Variability**	
Mean	6.553936	**Std Deviation**	1.34412
Median	7.000000	**Variance**	1.80666
Mode	8.000000	**Range**	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	342.7457	**Pr > |t|**	<.0001

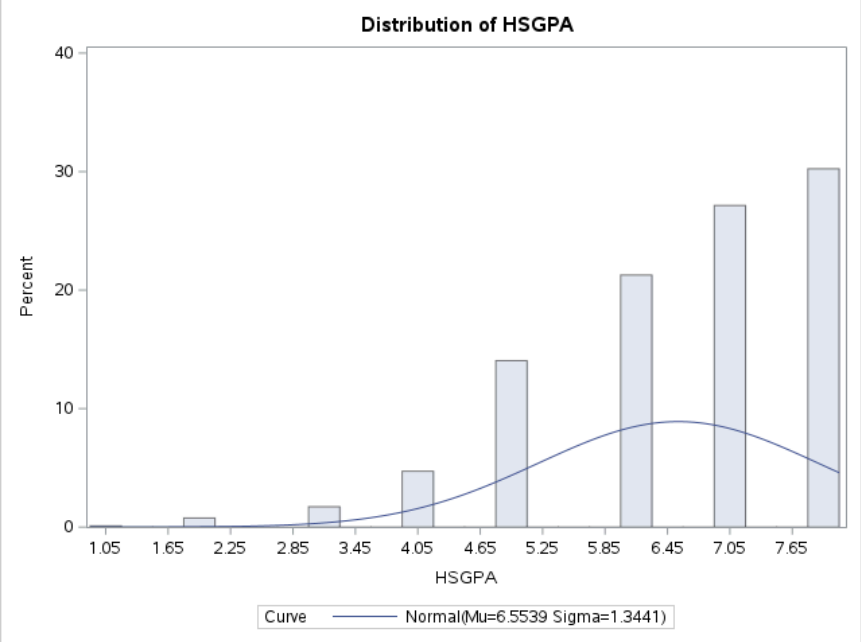
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2470.5	Pr >= |M|	<.0001
Signed Rank	S	6104606	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	8
90%	8
75% Q3	8
50% Median	7
25% Q1	6
10%	5
5%	4
1%	3
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	598	8	4978
1	498	8	4987
1	496	8	4988
1	211	8	4995
1	110	8	4996

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	59	1.18	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for HSGPA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.553936
Std Dev	Sigma	1.344119

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.203774	Pr > D	<0.010
Cramer-von Mises	W-Sq	31.942573	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	200.629509	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	3.00000	3.42705
5.0	4.00000	4.34306
10.0	5.00000	4.83138
25.0	6.00000	5.64734
50.0	7.00000	6.55394
75.0	8.00000	7.46053
90.0	8.00000	8.27649
95.0	8.00000	8.76481
99.0	8.00000	9.68082

Histograms for Selected Variables

Variable: CITIZEN

Moments			
N	4955	Sum Weights	4955
Mean	1.93158426	Sum Observations	9571
Std Deviation	0.25248345	Variance	0.06374789
Skewness	-3.4200937	Kurtosis	9.70095633
Uncorrected SS	18803	Corrected SS	315.807064
Coeff Variation	13.0713144	Std Error Mean	0.00358683

Basic Statistical Measures			
Location		Variability	
Mean	1.931584	Std Deviation	0.25248
Median	2.000000	Variance	0.06375
Mode	2.000000	Range	1.00000
		Interquartile Range	0

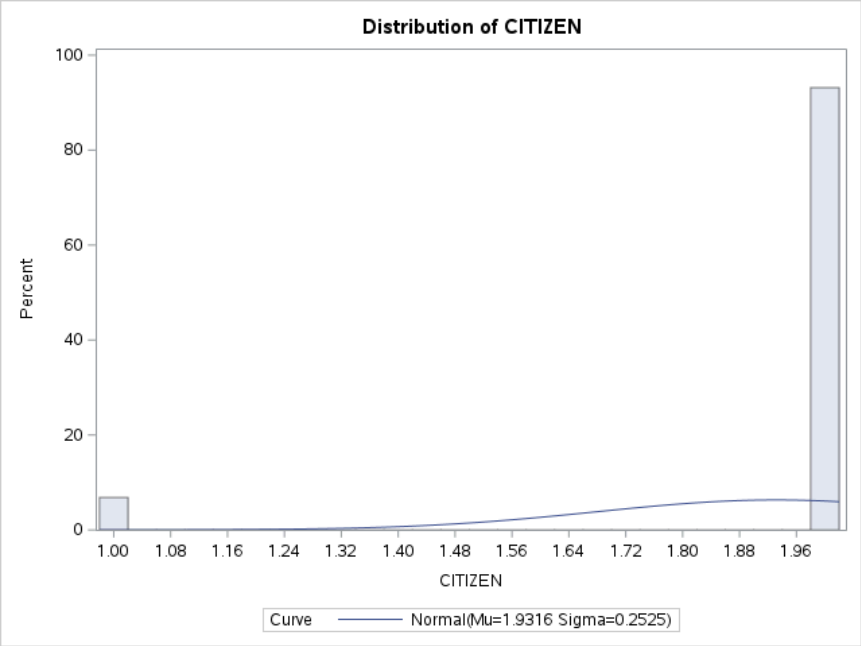
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	538.5209	Pr > |t|	<.0001
Sign	M	2477.5	Pr >= |M|	<.0001
Signed Rank	S	6139245	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	2
95%	2
90%	2
75% Q3	2
50% Median	2
25% Q1	2
10%	2
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4999	2	4995
1	4989	2	4996
1	4987	2	4997
1	4986	2	4998
1	4984	2	5000

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	45	0.90	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for CITIZEN

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.931584
Std Dev	Sigma	0.252483

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.53838	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	358.67913	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1733.65904	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	1.34422
5.0	1.00000	1.51629
10.0	2.00000	1.60801
25.0	2.00000	1.76129
50.0	2.00000	1.93158
75.0	2.00000	2.10188
90.0	2.00000	2.25515
95.0	2.00000	2.34688
99.0	2.00000	2.51895

Histograms for Selected Variables

Variable: PLANLIVE

Moments			
N	4991	**Sum Weights**	4991
Mean	2.84291725	**Sum Observations**	14189
Std Deviation	0.62140302	**Variance**	0.38614171
Skewness	-1.6748966	**Kurtosis**	5.71539897
Uncorrected SS	42265	**Corrected SS**	1926.84712
Coeff Variation	21.8579354	**Std Error Mean**	0.00879589

Basic Statistical Measures			
Location		**Variability**	
Mean	2.842917	**Std Deviation**	0.62140
Median	3.000000	**Variance**	0.38614
Mode	3.000000	**Range**	5.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	323.2099	**Pr > |t|**	<.0001

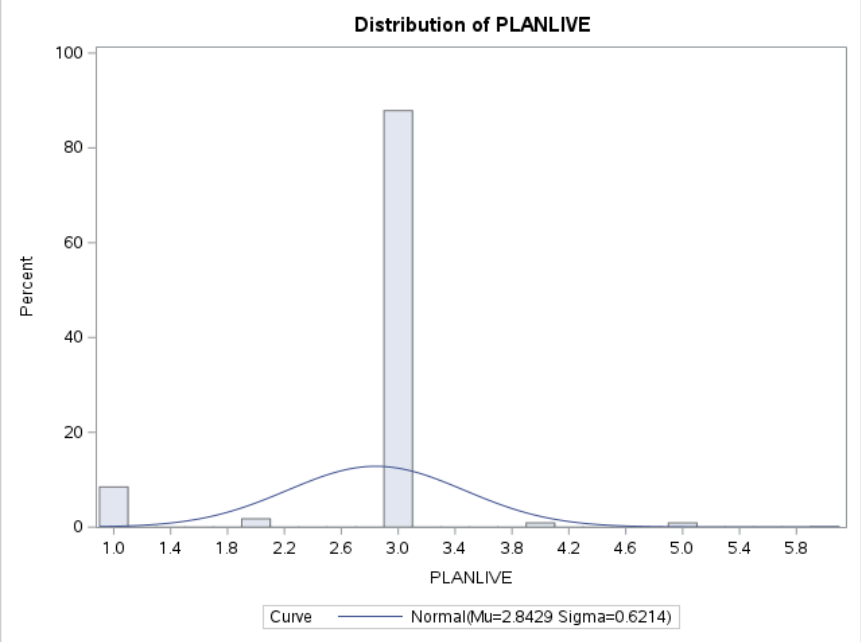
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2495.5	Pr >= |M|	<.0001
Signed Rank	S	6228768	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6
99%	5
95%	3
90%	3
75% Q3	3
50% Median	3
25% Q1	3
10%	2
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4988	6	117
1	4987	6	147
1	4974	6	2531
1	4973	6	3022
1	4970	6	4850

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	9	0.18	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for PLANLIVE

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.842917
Std Dev	Sigma	0.621403

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.49740	Pr > D	<0.010
Cramer-von Mises	W-Sq	297.85325	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1418.62337	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	1.00000	1.39732
5.0	1.00000	1.82080
10.0	2.00000	2.04656
25.0	3.00000	2.42379
50.0	3.00000	2.84292
75.0	3.00000	3.26205
90.0	3.00000	3.63928
95.0	3.00000	3.86503
99.0	5.00000	4.28852

Histograms for Selected Variables

Variable: DSstud_RC

Moments			
N	5000	Sum Weights	5000
Mean	1.0054	Sum Observations	5027
Std Deviation	0.07329334	Variance	0.00537191
Skewness	13.5018513	Kurtosis	180.372136
Uncorrected SS	5081	Corrected SS	26.8542
Coeff Variation	7.28996864	Std Error Mean	0.00103652

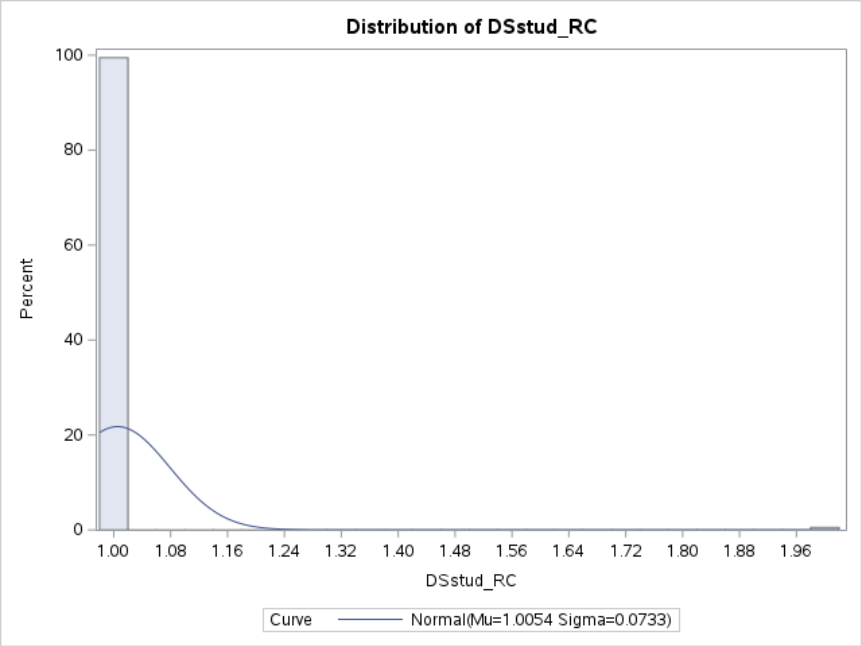
Basic Statistical Measures			
Location		Variability	
Mean	1.005400	Std Deviation	0.07329
Median	1.000000	Variance	0.00537
Mode	1.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	969.9723	Pr > |t|	<.0001
Sign	M	2500	Pr >= |M|	<.0001
Signed Rank	S	6251250	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	1
95%	1
90%	1
75% Q3	1
50% Median	1
25% Q1	1
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	5000	2	4170
1	4999	2	4233
1	4998	2	4360
1	4997	2	4677
1	4996	2	4840

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for DSstud_RC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.0054
Std Dev	Sigma	0.073293

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.52397	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	413.48952	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1922.00711	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	0.83489
5.0	1.00000	0.88484
10.0	1.00000	0.91147
25.0	1.00000	0.95596
50.0	1.00000	1.00540
75.0	1.00000	1.05484
90.0	1.00000	1.09933
95.0	1.00000	1.12596
99.0	1.00000	1.17591

Histograms for Selected Variables

Variable: CSSRAT01

Moments			
N	4901	**Sum Weights**	4901
Mean	3.97388288	**Sum Observations**	19476
Std Deviation	0.69819841	**Variance**	0.48748102
Skewness	-0.1552168	**Kurtosis**	-0.2854234
Uncorrected SS	79784	**Corrected SS**	2388.65701
Coeff Variation	17.5696776	**Std Error Mean**	0.00997325

Basic Statistical Measures			
Location		**Variability**	
Mean	3.973883	**Std Deviation**	0.69820
Median	4.000000	**Variance**	0.48748
Mode	4.000000	**Range**	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	398.4543	**Pr > |t|**	<.0001

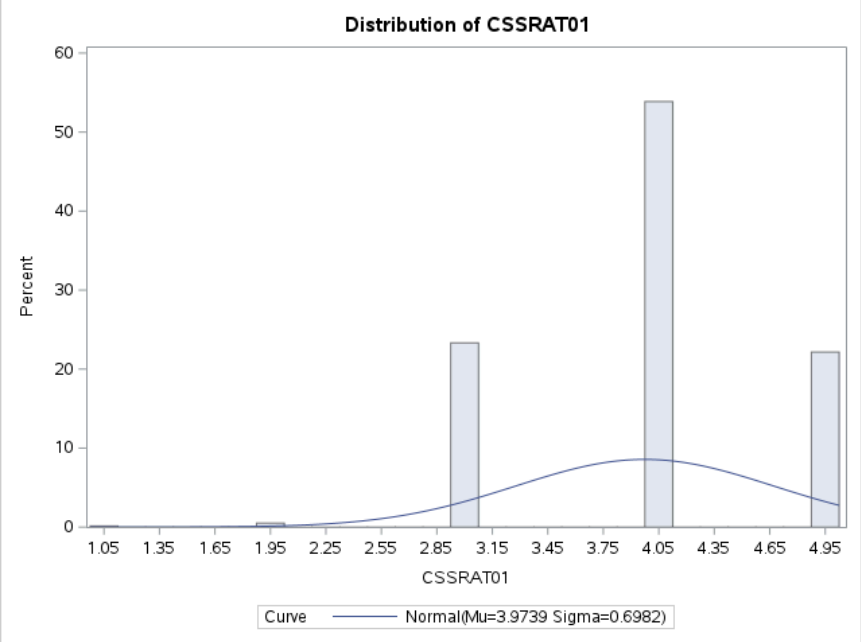
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2450.5	Pr >= |M|	<.0001
Signed Rank	S	6006176	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	5
75% Q3	4
50% Median	4
25% Q1	4
10%	3
5%	3
1%	3
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4756	5	4984
1	4577	5	4987
1	3158	5	4989
1	1980	5	4993
1	1782	5	4996

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	99	1.98	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for CSSRAT01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.973883
Std Dev	Sigma	0.698198

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.275173	Pr > D	<0.010
Cramer-von Mises	W-Sq	77.263357	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	414.849674	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	3.00000	2.34963
5.0	3.00000	2.82545
10.0	3.00000	3.07911
25.0	4.00000	3.50296
50.0	4.00000	3.97388
75.0	4.00000	4.44481
90.0	5.00000	4.86866
95.0	5.00000	5.12232
99.0	5.00000	5.59814

Histograms for Selected Variables

Variable: CSSRAT07

Moments			
N	4896	Sum Weights	4896
Mean	4.07291667	Sum Observations	19941
Std Deviation	0.80409686	Variance	0.64657176
Skewness	-0.5571107	Kurtosis	-0.043115
Uncorrected SS	84383	Corrected SS	3164.96875
Coeff Variation	19.7425315	Std Error Mean	0.01149179

Basic Statistical Measures			
Location		Variability	
Mean	4.072917	Std Deviation	0.80410
Median	4.000000	Variance	0.64657
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

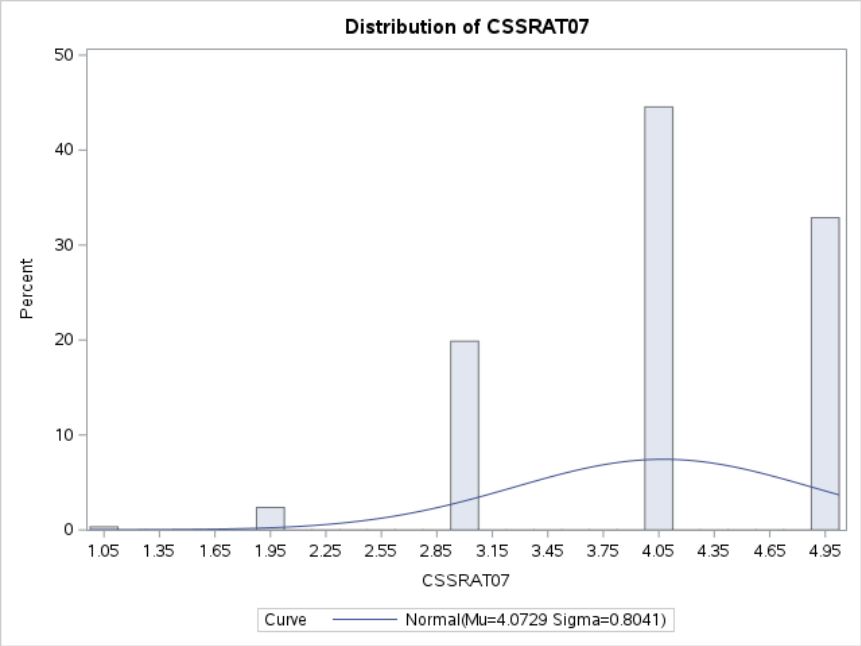
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	354.4197	Pr > |t|	<.0001
Sign	M	2448	Pr >= |M|	<.0001
Signed Rank	S	5993928	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	5
75% Q3	5
50% Median	4
25% Q1	4
10%	3
5%	3
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4827	5	4989
1	4756	5	4991
1	4577	5	4992
1	4113	5	4996
1	3559	5	4998

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	104	2.08	100.00

Histograms for Selected Variables



Histograms for Selected Variables

Fitted Normal Distribution for CSSRAT07

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.072917
Std Dev	Sigma	0.804097

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.238178	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	58.095731	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	338.835121	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	2.20231
5.0	3.00000	2.75030
10.0	3.00000	3.04243
25.0	4.00000	3.53056
50.0	4.00000	4.07292
75.0	5.00000	4.61527
90.0	5.00000	5.10341
95.0	5.00000	5.39554
99.0	5.00000	5.94353

Histograms and Normality Tests

Variable: FATHEDUC

Moments			
N	4879	**Sum Weights**	4879
Mean	5.59909818	**Sum Observations**	27318
Std Deviation	1.99362638	**Variance**	3.97454613
Skewness	-0.4184093	**Kurtosis**	-0.8010247
Uncorrected SS	172344	**Corrected SS**	19387.836
Coeff Variation	35.606205	**Std Error Mean**	0.0285416

Basic Statistical Measures			
Location		**Variability**	
Mean	5.599098	**Std Deviation**	1.99363
Median	6.000000	**Variance**	3.97455
Mode	6.000000	**Range**	7.00000
		Interquartile Range	4.00000

Tests for Location: Mu0=0		
Test	**Statistic**	**p Value**

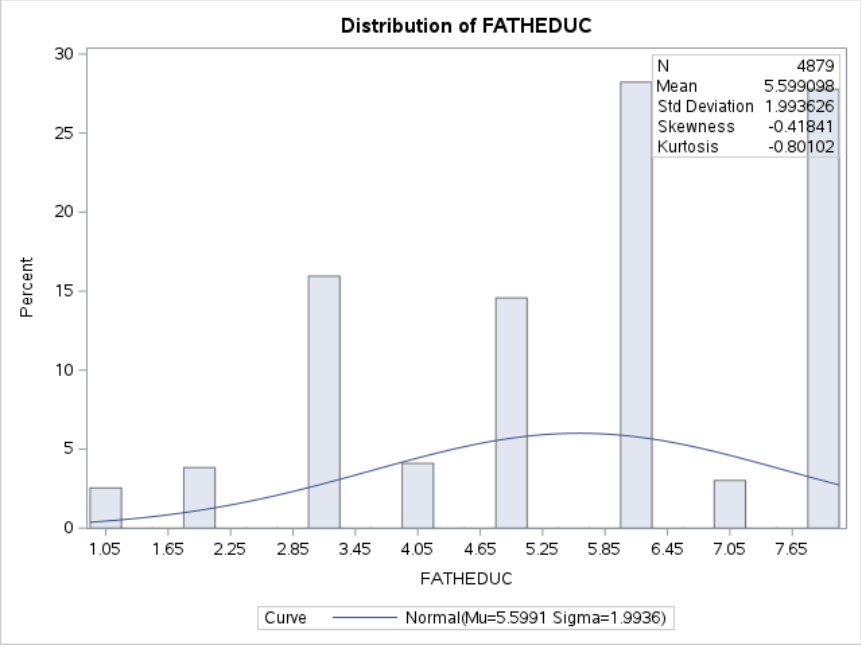
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	196.1732	Pr > |t|	<.0001
Sign	M	2439.5	Pr >= |M|	<.0001
Signed Rank	S	5952380	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	8
90%	8
75% Q3	8
50% Median	6
25% Q1	4
10%	3
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4990	8	4982
1	4927	8	4991
1	4912	8	4993
1	4880	8	4994
1	4720	8	4996

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	121	2.42	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for FATHEDUC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.599098
Std Dev	Sigma	1.993626

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.169767	Pr > D	<0.010
Cramer-von Mises	W-Sq	26.566001	Pr > W-Sq	<0.005

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Anderson-Darling	A-Sq	180.747786	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	1.00000	0.96123
5.0	2.00000	2.31987
10.0	3.00000	3.04416
25.0	4.00000	4.25442
50.0	6.00000	5.59910
75.0	8.00000	6.94378
90.0	8.00000	8.15403
95.0	8.00000	8.87832
99.0	8.00000	10.23697

Histograms and Normality Tests

Variable: MOTHEDUC

Moments			
N	4944	Sum Weights	4944
Mean	5.33131068	Sum Observations	26358
Std Deviation	1.85349035	Variance	3.43542648
Skewness	-0.293118	Kurtosis	-0.6657935
Uncorrected SS	157504	Corrected SS	16981.3131
Coeff Variation	34.7661291	Std Error Mean	0.02636035

Basic Statistical Measures			
Location		Variability	
Mean	5.331311	Std Deviation	1.85349
Median	6.000000	Variance	3.43543
Mode	6.000000	Range	7.00000
		Interquartile Range	2.00000

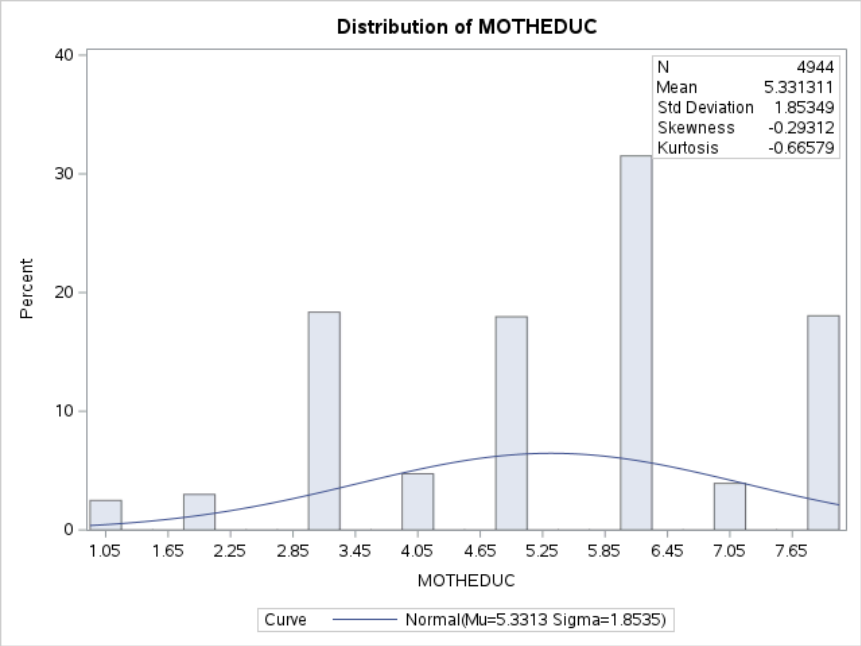
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	202.2474	Pr > |t|	<.0001
Sign	M	2472	Pr >= |M|	<.0001
Signed Rank	S	6112020	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	8
90%	8
75% Q3	6
50% Median	6
25% Q1	4
10%	3
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4990	8	4980
1	4987	8	4992
1	4912	8	4995
1	4895	8	4996
1	4852	8	4998

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	56	1.12	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for MOTHEDUC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.331311
Std Dev	Sigma	1.85349

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.175655	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	25.434825	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	154.554757	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	1.01945
5.0	2.00000	2.28259
10.0	3.00000	2.95597
25.0	4.00000	4.08115
50.0	6.00000	5.33131
75.0	6.00000	6.58147
90.0	8.00000	7.70665
95.0	8.00000	8.38003
99.0	8.00000	9.64317

Histograms and Normality Tests

Variable: RACEGROUP

Moments			
N	4751	**Sum Weights**	4751
Mean	1.93938118	**Sum Observations**	9214
Std Deviation	1.26761623	**Variance**	1.6068509
Skewness	1.03764058	**Kurtosis**	-0.2595282
Uncorrected SS	25502	**Corrected SS**	7632.54178
Coeff Variation	65.3618917	**Std Error Mean**	0.01839057

Basic Statistical Measures			
Location		**Variability**	
Mean	1.939381	**Std Deviation**	1.26762
Median	1.000000	**Variance**	1.60685
Mode	1.000000	**Range**	4.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	105.4552	**Pr > |t|**	<.0001

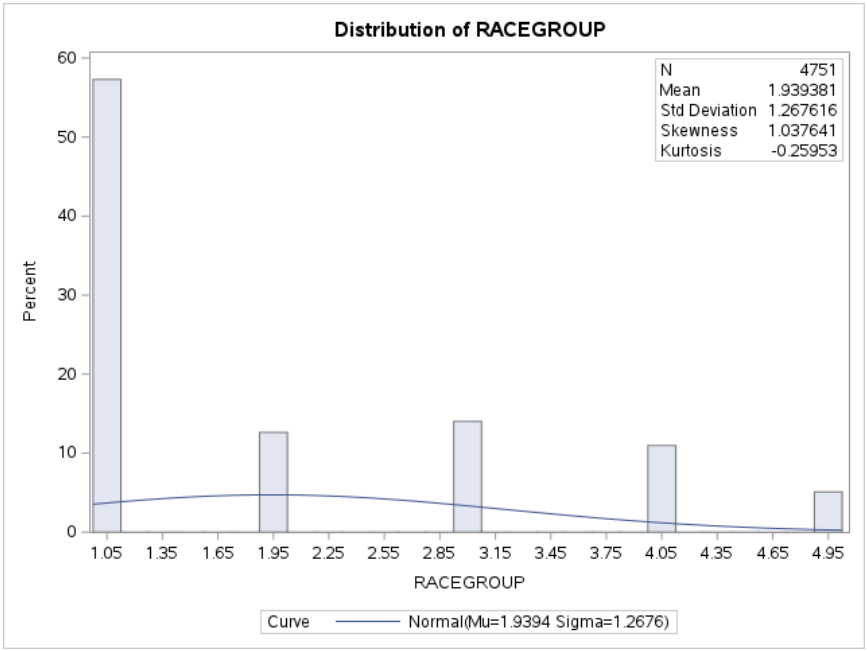
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2375.5	Pr >= |M|	<.0001
Signed Rank	S	5644188	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	4
75% Q3	3
50% Median	1
25% Q1	1
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4991	5	4871
1	4981	5	4888
1	4980	5	4892
1	4979	5	4932
1	4978	5	4969

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	249	4.98	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for RACEGROUP

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.939381
Std Dev	Sigma	1.267616

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.343604	Pr > D	<0.010
Cramer-von Mises	W-Sq	96.173699	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	539.486163	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	1.00000	-1.00954
5.0	1.00000	-0.14566
10.0	1.00000	0.31487
25.0	1.00000	1.08439
50.0	1.00000	1.93938
75.0	3.00000	2.79438
90.0	4.00000	3.56390
95.0	5.00000	4.02442
99.0	5.00000	4.88830

Histograms and Normality Tests

Variable: FINCON_RC

Moments			
N	4847	Sum Weights	4847
Mean	0.80895399	Sum Observations	3921
Std Deviation	0.64228033	Variance	0.41252402
Skewness	0.19755621	Kurtosis	-0.6640766
Uncorrected SS	5171	Corrected SS	1999.0914
Coeff Variation	79.3963975	Std Error Mean	0.00922546

Basic Statistical Measures			
Location		Variability	
Mean	0.808954	Std Deviation	0.64228
Median	1.000000	Variance	0.41252
Mode	1.000000	Range	2.00000
		Interquartile Range	1.00000

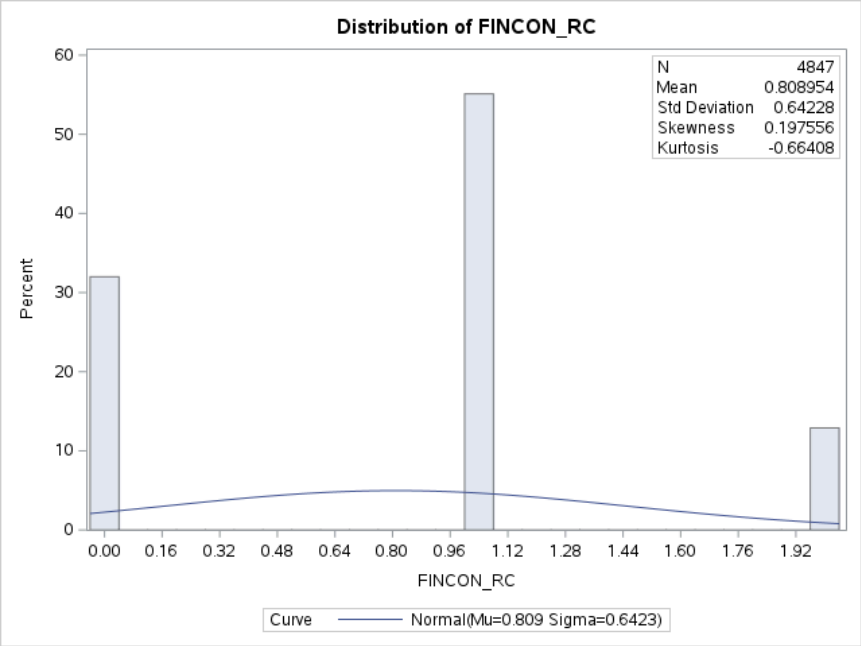
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	87.6871	Pr > |t|	<.0001
Sign	M	1648	Pr >= |M|	<.0001
Signed Rank	S	2716728	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	2
95%	2
90%	2
75% Q3	1
50% Median	1
25% Q1	0
10%	0
5%	0
1%	0
0% Min	0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	4982	2	4985
0	4981	2	4986
0	4980	2	4989
0	4976	2	4995
0	4974	2	4997

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	153	3.06	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for FINCON_RC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.808954
Std Dev	Sigma	0.64228

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.296947	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	88.459229	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	488.099052	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.68521
5.0	0.00000	-0.24750
10.0	0.00000	-0.01416
25.0	0.00000	0.37574
50.0	1.00000	0.80895
75.0	1.00000	1.24217
90.0	2.00000	1.63207
95.0	2.00000	1.86541
99.0	2.00000	2.30312

Histograms and Normality Tests

Variable: FirstGen_RC

Moments			
N	4863	**Sum Weights**	4863
Mean	0.66111454	**Sum Observations**	3215
Std Deviation	0.47337954	**Variance**	0.22408819
Skewness	-0.6809793	**Kurtosis**	-1.5368995
Uncorrected SS	3215	**Corrected SS**	1089.51676
Coeff Variation	71.6032562	**Std Error Mean**	0.00678824

Basic Statistical Measures			
Location		**Variability**	
Mean	0.661115	**Std Deviation**	0.47338
Median	1.000000	**Variance**	0.22409
Mode	1.000000	**Range**	1.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	97.39112	**Pr > |t|**	<.0001

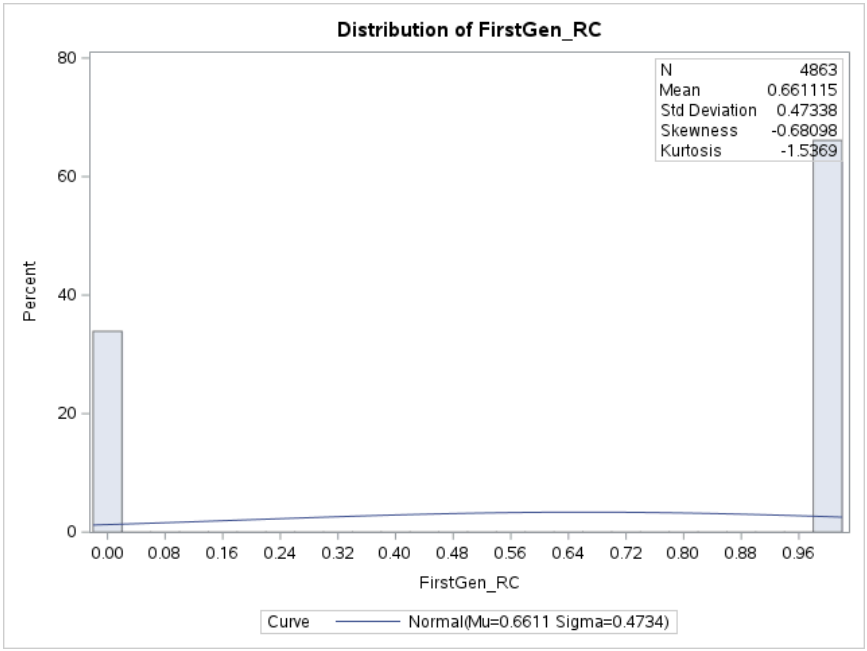
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	1607.5	Pr >= |M|	<.0001
Signed Rank	S	2584860	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1
99%	1
95%	1
90%	1
75% Q3	1
50% Median	1
25% Q1	0
10%	0
5%	0
1%	0
0% Min	0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	4998	1	4987
0	4996	1	4988
0	4995	1	4989
0	4994	1	4990
0	4993	1	4999

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	137	2.74	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for FirstGen_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.661115
Std Dev	Sigma	0.47338

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.424083	Pr > D	<0.010
Cramer-von Mises	W-Sq	173.805363	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	995.128239	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.00000	-0.44013
5.0	0.00000	-0.11753
10.0	0.00000	0.05445
25.0	0.00000	0.34182
50.0	1.00000	0.66111
75.0	1.00000	0.98040
90.0	1.00000	1.26777
95.0	1.00000	1.43975
99.0	1.00000	1.76236

Histograms and Normality Tests

Variable: INCOME

Moments			
N	4516	Sum Weights	4516
Mean	9.32506643	Sum Observations	42112
Std Deviation	3.12538999	Variance	9.76806256
Skewness	-0.6588608	Kurtosis	-0.1193078
Uncorrected SS	436800	Corrected SS	44102.8025
Coeff Variation	33.5160077	Std Error Mean	0.04650796

Basic Statistical Measures			
Location		Variability	
Mean	9.32507	Std Deviation	3.12539
Median	10.00000	Variance	9.76806
Mode	11.00000	Range	13.00000
		Interquartile Range	5.00000

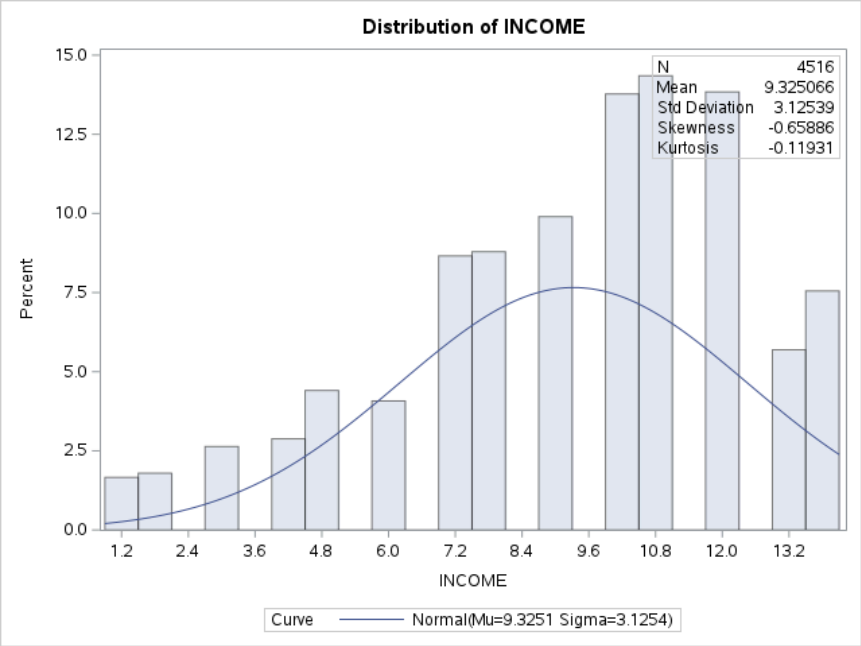
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	200.5048	Pr > |t|	<.0001
Sign	M	2258	Pr >= |M|	<.0001
Signed Rank	S	5099693	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	14
99%	14
95%	14
90%	13
75% Q3	12
50% Median	10
25% Q1	7
10%	5
5%	3
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4969	14	4803
1	4813	14	4819
1	4795	14	4850
1	4770	14	4864
1	4670	14	4900

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	484	9.68	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for INCOME

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	9.325066
Std Dev	Sigma	3.12539

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.1375245	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	11.4324976	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	68.9893721	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	2.05432
5.0	3.00000	4.18426
10.0	5.00000	5.31972
25.0	7.00000	7.21702
50.0	10.00000	9.32507
75.0	12.00000	11.43311
90.0	13.00000	13.33041
95.0	14.00000	14.46588
99.0	14.00000	16.59581

Histograms and Normality Tests

Variable: HSGPA

Moments			
N	4941	**Sum Weights**	4941
Mean	6.55393645	**Sum Observations**	32383
Std Deviation	1.34411869	**Variance**	1.80665505
Skewness	-0.8579831	**Kurtosis**	0.43226699
Uncorrected SS	221161	**Corrected SS**	8924.87594
Coeff Variation	20.5085707	**Std Error Mean**	0.01912186

Basic Statistical Measures			
Location		**Variability**	
Mean	6.553936	**Std Deviation**	1.34412
Median	7.000000	**Variance**	1.80666
Mode	8.000000	**Range**	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	342.7457	**Pr > |t|**	<.0001

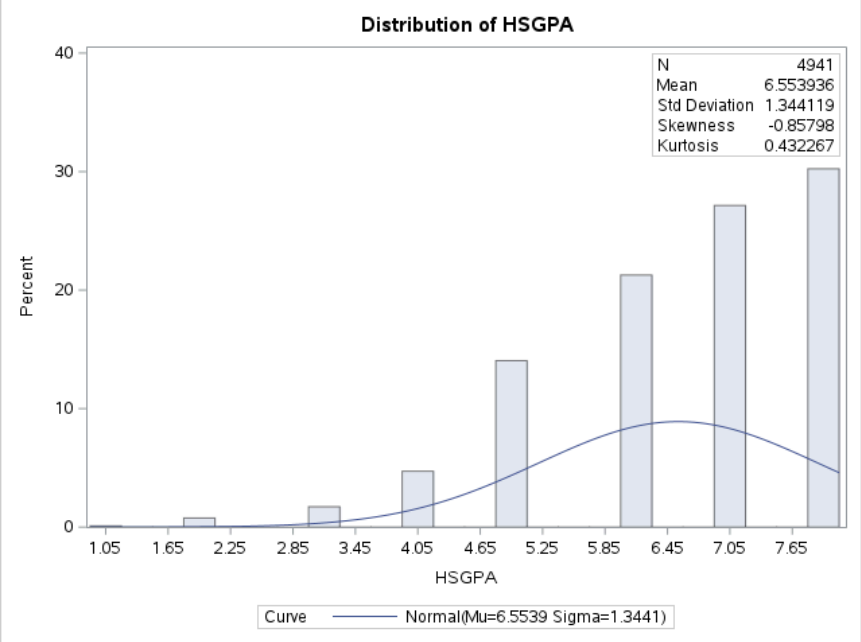
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2470.5	Pr >= |M|	<.0001
Signed Rank	S	6104606	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	8
90%	8
75% Q3	8
50% Median	7
25% Q1	6
10%	5
5%	4
1%	3
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	598	8	4978
1	498	8	4987
1	496	8	4988
1	211	8	4995
1	110	8	4996

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	59	1.18	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for HSGPA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.553936
Std Dev	Sigma	1.344119

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.203774	Pr > D	<0.010
Cramer-von Mises	W-Sq	31.942573	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	200.629509	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	3.00000	3.42705
5.0	4.00000	4.34306
10.0	5.00000	4.83138
25.0	6.00000	5.64734
50.0	7.00000	6.55394
75.0	8.00000	7.46053
90.0	8.00000	8.27649
95.0	8.00000	8.76481
99.0	8.00000	9.68082

Histograms and Normality Tests

Variable: CITIZEN

Moments			
N	4955	Sum Weights	4955
Mean	1.93158426	Sum Observations	9571
Std Deviation	0.25248345	Variance	0.06374789
Skewness	-3.4200937	Kurtosis	9.70095633
Uncorrected SS	18803	Corrected SS	315.807064
Coeff Variation	13.0713144	Std Error Mean	0.00358683

Basic Statistical Measures			
Location		Variability	
Mean	1.931584	Std Deviation	0.25248
Median	2.000000	Variance	0.06375
Mode	2.000000	Range	1.00000
		Interquartile Range	0

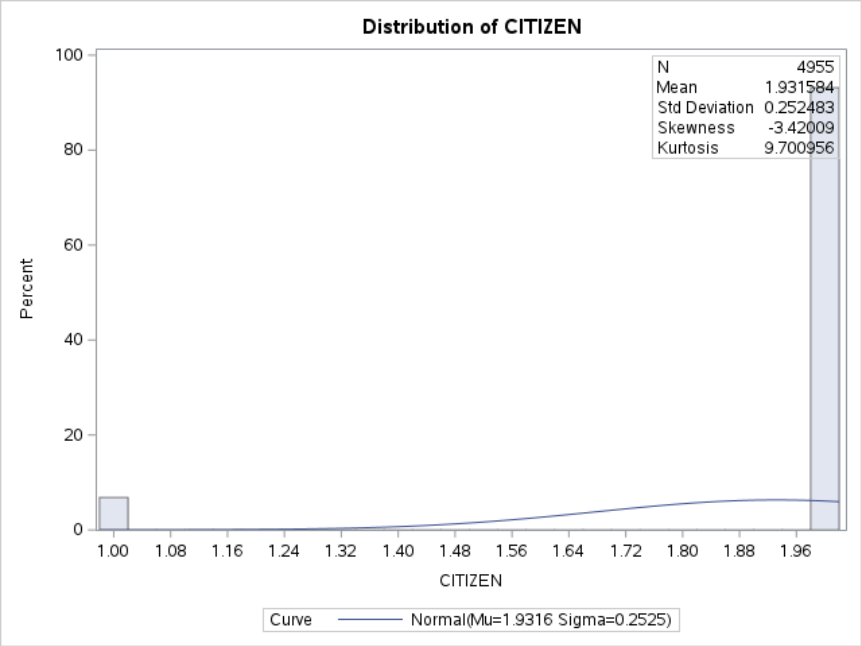
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	538.5209	Pr > |t|	<.0001
Sign	M	2477.5	Pr >= |M|	<.0001
Signed Rank	S	6139245	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	2
95%	2
90%	2
75% Q3	2
50% Median	2
25% Q1	2
10%	2
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4999	2	4995
1	4989	2	4996
1	4987	2	4997
1	4986	2	4998
1	4984	2	5000

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	45	0.90	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for CITIZEN

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.931584
Std Dev	Sigma	0.252483

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.53838	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	358.67913	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1733.65904	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	1.34422
5.0	1.00000	1.51629
10.0	2.00000	1.60801
25.0	2.00000	1.76129
50.0	2.00000	1.93158
75.0	2.00000	2.10188
90.0	2.00000	2.25515
95.0	2.00000	2.34688
99.0	2.00000	2.51895

Histograms and Normality Tests

Variable: PLANLIVE

Moments			
N	4991	**Sum Weights**	4991
Mean	2.84291725	**Sum Observations**	14189
Std Deviation	0.62140302	**Variance**	0.38614171
Skewness	-1.6748966	**Kurtosis**	5.71539897
Uncorrected SS	42265	**Corrected SS**	1926.84712
Coeff Variation	21.8579354	**Std Error Mean**	0.00879589

Basic Statistical Measures			
Location		**Variability**	
Mean	2.842917	**Std Deviation**	0.62140
Median	3.000000	**Variance**	0.38614
Mode	3.000000	**Range**	5.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	323.2099	**Pr > |t|**	<.0001

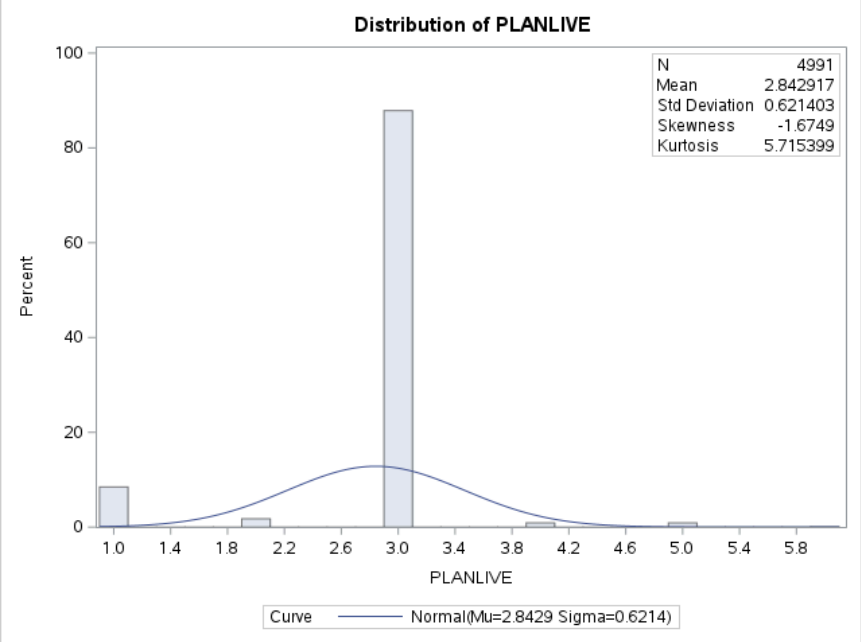
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2495.5	Pr >= |M|	<.0001
Signed Rank	S	6228768	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6
99%	5
95%	3
90%	3
75% Q3	3
50% Median	3
25% Q1	3
10%	2
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4988	6	117
1	4987	6	147
1	4974	6	2531
1	4973	6	3022
1	4970	6	4850

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	9	0.18	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for PLANLIVE

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.842917
Std Dev	Sigma	0.621403

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.49740	Pr > D	<0.010
Cramer-von Mises	W-Sq	297.85325	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1418.62337	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	1.00000	1.39732
5.0	1.00000	1.82080
10.0	2.00000	2.04656
25.0	3.00000	2.42379
50.0	3.00000	2.84292
75.0	3.00000	3.26205
90.0	3.00000	3.63928
95.0	3.00000	3.86503
99.0	5.00000	4.28852

Histograms and Normality Tests

Variable: DSstud_RC

Moments			
N	5000	Sum Weights	5000
Mean	1.0054	Sum Observations	5027
Std Deviation	0.07329334	Variance	0.00537191
Skewness	13.5018513	Kurtosis	180.372136
Uncorrected SS	5081	Corrected SS	26.8542
Coeff Variation	7.28996864	Std Error Mean	0.00103652

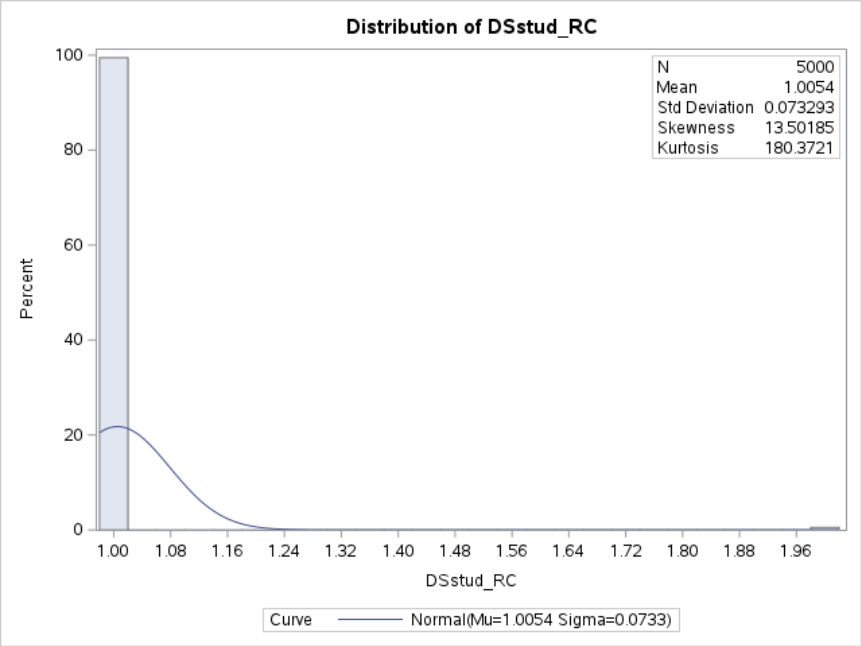
Basic Statistical Measures			
Location		Variability	
Mean	1.005400	Std Deviation	0.07329
Median	1.000000	Variance	0.00537
Mode	1.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	969.9723	Pr > |t|	<.0001
Sign	M	2500	Pr >= |M|	<.0001
Signed Rank	S	6251250	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	1
95%	1
90%	1
75% Q3	1
50% Median	1
25% Q1	1
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	5000	2	4170
1	4999	2	4233
1	4998	2	4360
1	4997	2	4677
1	4996	2	4840

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for DSstud_RC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	1.0054
Std Dev	Sigma	0.073293

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.52397	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	413.48952	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	1922.00711	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	0.83489
5.0	1.00000	0.88484
10.0	1.00000	0.91147
25.0	1.00000	0.95596
50.0	1.00000	1.00540
75.0	1.00000	1.05484
90.0	1.00000	1.09933
95.0	1.00000	1.12596
99.0	1.00000	1.17591

Histograms and Normality Tests

Variable: CSSRAT01

Moments			
N	4901	**Sum Weights**	4901
Mean	3.97388288	**Sum Observations**	19476
Std Deviation	0.69819841	**Variance**	0.48748102
Skewness	-0.1552168	**Kurtosis**	-0.2854234
Uncorrected SS	79784	**Corrected SS**	2388.65701
Coeff Variation	17.5696776	**Std Error Mean**	0.00997325

Basic Statistical Measures			
Location		**Variability**	
Mean	3.973883	**Std Deviation**	0.69820
Median	4.000000	**Variance**	0.48748
Mode	4.000000	**Range**	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	398.4543	**Pr > |t|**	<.0001

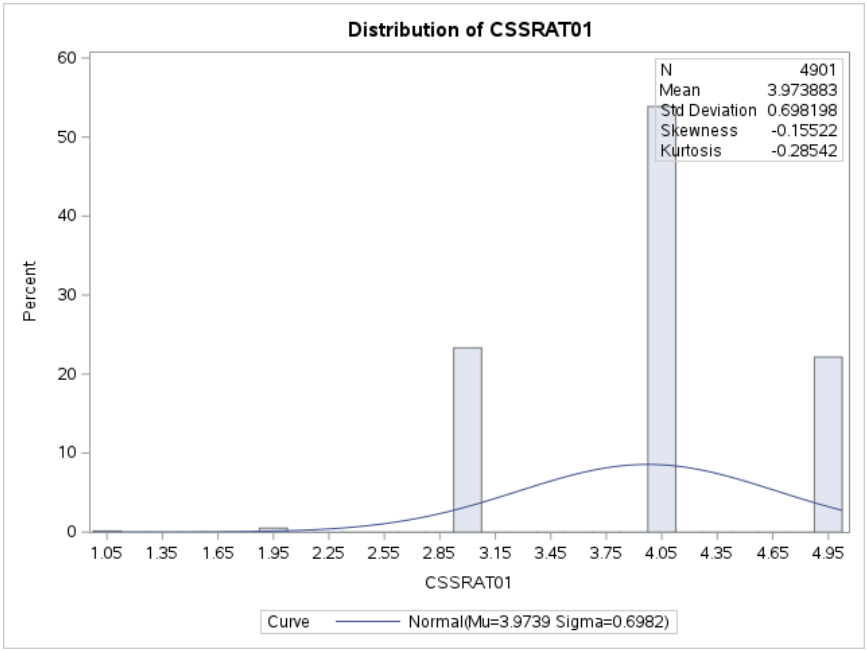
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Sign	M	2450.5	Pr >= |M|	<.0001
Signed Rank	S	6006176	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	5
75% Q3	4
50% Median	4
25% Q1	4
10%	3
5%	3
1%	3
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4756	5	4984
1	4577	5	4987
1	3158	5	4989
1	1980	5	4993
1	1782	5	4996

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	99	1.98	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for CSSRAT01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.973883
Std Dev	Sigma	0.698198

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.275173	Pr > D	<0.010
Cramer-von Mises	W-Sq	77.263357	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	414.849674	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	3.00000	2.34963
5.0	3.00000	2.82545
10.0	3.00000	3.07911
25.0	4.00000	3.50296
50.0	4.00000	3.97388
75.0	4.00000	4.44481
90.0	5.00000	4.86866
95.0	5.00000	5.12232
99.0	5.00000	5.59814

Histograms and Normality Tests

Variable: CSSRAT07

Moments			
N	4896	Sum Weights	4896
Mean	4.07291667	Sum Observations	19941
Std Deviation	0.80409686	Variance	0.64657176
Skewness	-0.5571107	Kurtosis	-0.043115
Uncorrected SS	84383	Corrected SS	3164.96875
Coeff Variation	19.7425315	Std Error Mean	0.01149179

Basic Statistical Measures			
Location		Variability	
Mean	4.072917	Std Deviation	0.80410
Median	4.000000	Variance	0.64657
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

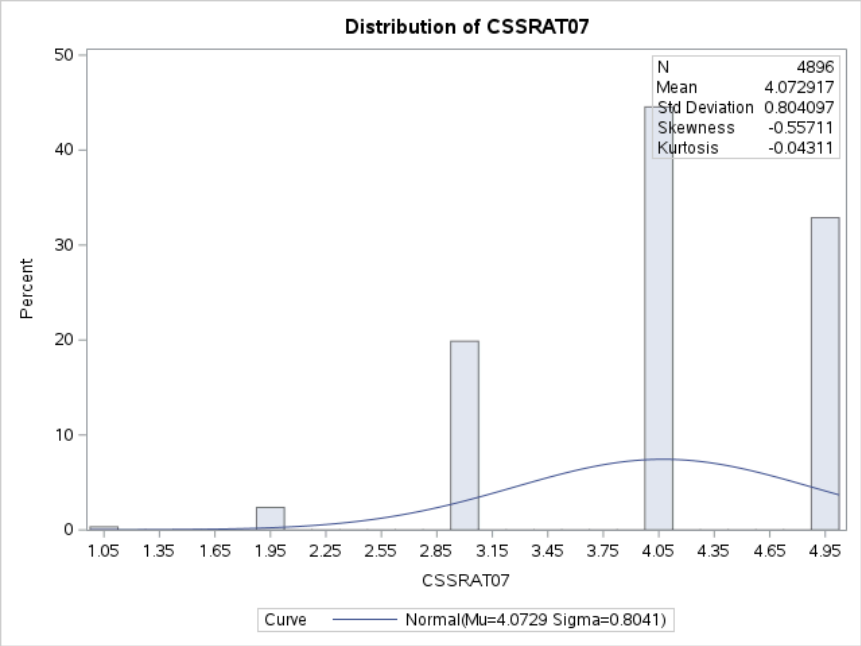
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	354.4197	Pr > |t|	<.0001
Sign	M	2448	Pr >= |M|	<.0001
Signed Rank	S	5993928	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	5
90%	5
75% Q3	5
50% Median	4
25% Q1	4
10%	3
5%	3
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4827	5	4989
1	4756	5	4991
1	4577	5	4992
1	4113	5	4996
1	3559	5	4998

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	104	2.08	100.00

Histograms and Normality Tests



Histograms and Normality Tests

Fitted Normal Distribution for CSSRAT07

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	4.072917
Std Dev	Sigma	0.804097

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.238178	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	58.095731	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	338.835121	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	2.00000	2.20231
5.0	3.00000	2.75030
10.0	3.00000	3.04243
25.0	4.00000	3.53056
50.0	4.00000	4.07292
75.0	5.00000	4.61527
90.0	5.00000	5.10341
95.0	5.00000	5.39554
99.0	5.00000	5.94353

Correlation Matrix (Ad-Hoc Association Check)

12 Variables:	FATHEDUC MOTHEDUC RACEGROUP FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC CSSRAT01 CSSRAT07

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Median**	**Minimum**	**Maximum**
FATHEDUC	4879	5.59910	1.99363	6.00000	1.00000	8.00000
MOTHEDUC	4944	5.33131	1.85349	6.00000	1.00000	8.00000
RACEGROUP	4751	1.93938	1.26762	1.00000	1.00000	5.00000
FINCON_RC	4847	0.80895	0.64228	1.00000	0	2.00000
FirstGen_RC	4863	0.66111	0.47338	1.00000	0	1.00000
INCOME	4516	9.32507	3.12539	10.00000	1.00000	14.00000
HSGPA	4941	6.55394	1.34412	7.00000	1.00000	8.00000
CITIZEN	4955	1.93158	0.25248	2.00000	1.00000	2.00000
PLANLIVE	4991	2.84292	0.62140	3.00000	1.00000	6.00000
DSstud_RC	5000	1.00540	0.07329	1.00000	1.00000	2.00000
CSSRAT01	4901	3.97388	0.69820	4.00000	1.00000	5.00000
CSSRAT07	4896	4.07292	0.80410	4.00000	1.00000	5.00000

Pearson Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	FATHEDUC	MOTHEDUC	RACEGROUP	FINCON_RC	FirstGen_RC	INCOME	HSGPA	CITIZEN	PLANLIVE	DSstud_RC	CSSRAT01	CSSRAT07
FATHEDUC	1.00000 4879	0.57854 <.0001 4863	-0.18102 <.0001 4637	-0.23442 <.0001 4736	-0.68685 <.0001 4863	0.41852 <.0001 4428	0.09332 <.0001 4823	0.03403 0.0180 4836	0.12378 <.0001 4871	0.00669 0.6405 4879	0.13606 <.0001 4781	-0.00744 0.6070 4776
MOTHEDUC	0.57854 <.0001 4863	1.00000 4944	-0.13325 <.0001 4702	-0.17447 <.0001 4798	-0.57939 <.0001 4863	0.35805 <.0001 4486	0.08103 <.0001 4886	0.06670 <.0001 4900	0.12327 <.0001 4937	0.00600 0.6730 4944	0.12165 <.0001 4845	-0.00339 0.8134 4840
RACEGROUP	-0.18102 <.0001 4637	-0.13325 <.0001 4702	1.00000 4751	0.16646 <.0001 4610	0.10308 <.0001 4624	-0.27197 <.0001 4299	-0.18461 <.0001 4698	-0.12197 <.0001 4710	-0.06154 <.0001 4743	0.00107 0.9415 4751	-0.06584 <.0001 4662	0.03743 0.0106 4658
FINCON_RC	-0.23442 <.0001 4736	-0.17447 <.0001 4798	0.16646 <.0001 4610	1.00000 4847	0.18200 <.0001 4720	-0.35551 <.0001 4396	-0.01849 0.2007 4791	-0.07490 <.0001 4804	-0.02028 0.1585 4838	-0.00363 0.8004 4847	-0.09381 <.0001 4755	-0.02707 0.0621 4751
FirstGen_RC	-0.68685 <.0001 4863	-0.57939 <.0001 4863	0.10308 <.0001 4624	0.18200 <.0001 4720	1.00000 4863	-0.30427 <.0001 4417	-0.04689 0.0011 4807	0.00267 0.8528 4820	-0.10379 <.0001 4856	-0.01082 0.4508 4863	-0.10507 <.0001 4765	0.00564 0.6972 4760
INCOME	0.41852 <.0001 4428	0.35805 <.0001 4486	-0.27197 <.0001 4299	-0.35551 <.0001 4396	-0.30427 <.0001 4417	1.00000 4516	0.07675 <.0001 4470	0.24505 <.0001 4476	0.12505 <.0001 4511	-0.01242 0.4041 4516	0.11960 <.0001 4427	0.04139 0.0059 4423
HSGPA	0.09332 <.0001 4823	0.08103 <.0001 4886	-0.18461 <.0001 4698	-0.01849 0.2007 4791	-0.04689 0.0011 4807	0.07675 <.0001 4470	1.00000 4941	0.05325 0.0002 4898	0.03854 0.0068 4933	-0.01217 0.3925 4941	0.35027 <.0001 4844	0.11635 <.0001 4839
CITIZEN	0.03403 0.0180 4836	0.06670 <.0001 4900	-0.12197 <.0001 4710	-0.07490 <.0001 4804	0.00267 0.8528 4820	0.24505 <.0001 4476	0.05325 0.0002 4898	1.00000 4955	0.04435 0.0018 4948	0.00920 0.5173 4955	0.00696 0.6276 4856	-0.01650 0.2505 4852
PLANLIVE	0.12378 <.0001 4871	0.12327 <.0001 4937	-0.06154 <.0001 4743	-0.02028 0.1585 4838	-0.10379 <.0001 4856	0.12505 <.0001 4511	0.03854 0.0068 4933	0.04435 0.0018 4948	1.00000 4991	0.00546 0.6999 4991	0.04089 0.0042 4892	0.00886 0.5359 4887
DSstud_RC	0.00669 0.6405 4879	0.00600 0.6730 4944	0.00107 0.9415 4751	-0.00363 0.8004 4847	-0.01082 0.4508 4863	-0.01242 0.4041 4516	-0.01217 0.3925 4941	0.00920 0.5173 4955	0.00546 0.6999 4991	1.00000 5000	0.00278 0.8455 4901	0.01726 0.2273 4896
CSSRAT01	0.13606 <.0001 4781	0.12165 <.0001 4845	-0.06584 <.0001 4662	-0.09381 <.0001 4755	-0.10507 <.0001 4765	0.11960 <.0001 4427	0.35027 <.0001 4844	0.00696 0.6276 4856	0.04089 0.0042 4892	0.00278 0.8455 4901	1.00000 4901	0.35384 <.0001 4890
CSSRAT07	-0.00744 0.6070 4776	-0.00339 0.8134 4840	0.03743 0.0106 4658	-0.02707 0.0621 4751	0.00564 0.6972 4760	0.04139 0.0059 4423	0.11635 <.0001 4839	-0.01650 0.2505 4852	0.00886 0.5359 4887	0.01726 0.2273 4896	0.35384 <.0001 4890	1.00000 4896

Spearman Correlation Coefficients
Prob > |r| under H0: Rho=0
Number of Observations

	FATHEDUC	MOTHEDUC	RACEGROUP	FINCON_RC	FirstGen_RC	INCOME	HSGPA	CITIZEN	PLANLIVE	DSstud_RC	CSSRAT01	CSSRAT07
FATHEDUC	1.00000 4879	0.56296 <.0001 4863	-0.17539 <.0001 4637	-0.23797 <.0001 4736	-0.72610 <.0001 4863	0.42446 <.0001 4428	0.07697 <.0001 4823	0.01730 0.2290 4836	0.12135 <.0001 4871	0.00732 0.6090 4879	0.13552 <.0001 4781	-0.00543 0.7073 4776
MOTHEDUC	0.56296 <.0001 4863	1.00000 4944	-0.14508 <.0001 4702	-0.17710 <.0001 4798	-0.58952 <.0001 4863	0.35660 <.0001 4486	0.07356 <.0001 4886	0.05048 0.0004 4900	0.12173 <.0001 4937	0.00771 0.5877 4944	0.12288 <.0001 4845	-0.00217 0.8802 4840
RACEGROUP	-0.17539 <.0001 4637	-0.14508 <.0001 4702	1.00000 4751	0.17230 <.0001 4610	0.09930 <.0001 4624	-0.27184 <.0001 4299	-0.17495 <.0001 4698	-0.18571 <.0001 4710	-0.08108 <.0001 4743	0.00207 0.8866 4751	-0.08509 <.0001 4662	0.03477 0.0176 4658
FINCON_RC	-0.23797 <.0001 4736	-0.17710 <.0001 4798	0.17230 <.0001 4610	1.00000 4847	0.18479 <.0001 4720	-0.37551 <.0001 4396	-0.01326 0.3588 4791	-0.07352 <.0001 4804	-0.02279 0.1130 4838	-0.00242 0.8662 4847	-0.09517 <.0001 4755	-0.02958 0.0415 4751
FirstGen_RC	-0.72610 <.0001 4863	-0.58952 <.0001 4863	0.09930 <.0001 4624	0.18479 <.0001 4720	1.00000 4863	-0.32834 <.0001 4417	-0.04065 0.0048 4807	0.00267 0.8528 4820	-0.10455 <.0001 4856	-0.01082 0.4508 4863	-0.10738 <.0001 4765	-0.00009 0.9952 4760
INCOME	0.42446 <.0001 4428	0.35660 <.0001 4486	-0.27184 <.0001 4299	-0.37551 <.0001 4396	-0.32834 <.0001 4417	1.00000 4516	0.03411 0.0226 4470	0.20452 <.0001 4476	0.12649 <.0001 4511	-0.01375 0.3555 4516	0.12067 <.0001 4427	0.03937 0.0088 4423
HSGPA	0.07697 <.0001 4823	0.07356 <.0001 4886	-0.17495 <.0001 4698	-0.01326 0.3588 4791	-0.04065 0.0048 4807	0.03411 0.0226 4470	1.00000 4941	0.05323 0.0002 4898	0.04046 0.0045 4933	-0.00149 0.9169 4941	0.36962 <.0001 4844	0.13203 <.0001 4839
CITIZEN	0.01730 0.2290 4836	0.05048 0.0004 4900	-0.18571 <.0001 4710	-0.07352 <.0001 4804	0.00267 0.8528 4820	0.20452 <.0001 4476	0.05323 0.0002 4898	1.00000 4955	0.05070 0.0004 4948	0.00920 0.5173 4955	0.00707 0.6225 4856	-0.02078 0.1478 4852
PLANLIVE	0.12135 <.0001 4871	0.12173 <.0001 4937	-0.08108 <.0001 4743	-0.02279 0.1130 4838	-0.10455 <.0001 4856	0.12649 <.0001 4511	0.04046 0.0045 4933	0.05070 0.0004 4948	1.00000 4991	0.00952 0.5012 4991	0.04637 0.0012 4892	0.01068 0.4556 4887
DSstud_RC	0.00732 0.6090 4879	0.00771 0.5877 4944	0.00207 0.8866 4751	-0.00242 0.8662 4847	-0.01082 0.4508 4863	-0.01375 0.3555 4516	-0.00149 0.9169 4941	0.00920 0.5173 4955	0.00952 0.5012 4991	1.00000 5000	0.00222 0.8767 4901	0.01685 0.2386 4896
CSSRAT01	0.13552 <.0001 4781	0.12288 <.0001 4845	-0.08509 <.0001 4662	-0.09517 <.0001 4755	-0.10738 <.0001 4765	0.12067 <.0001 4427	0.36962 <.0001 4844	0.00707 0.6225 4856	0.04637 0.0012 4892	0.00222 0.8767 4901	1.00000 4901	0.36109 <.0001 4890
CSSRAT07	-0.00543 0.7073 4776	-0.00217 0.8802 4840	0.03477 0.0176 4658	-0.02958 0.0415 4751	-0.00009 0.9952 4760	0.03937 0.0088 4423	0.13203 <.0001 4839	-0.02078 0.1478 4852	0.01068 0.4556 4887	0.01685 0.2386 4896	0.36109 <.0001 4890	1.00000 4896