

**Program Summary - adhoc and norality for OFFDATAHERI.sas****Execution Environment**

Author: u64136608  
 File: /home/u64136608/STAT 520 PROJECT/adhoc and norality for OFFDATAHERI.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: 11/13/2025, 1:13:28 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/142.0.0.0 Safari/537.36  
 Application Server: ODAMID00-USW2.ODA.SAS.COM

**Code: adhoc and norality for OFFDATAHERI.sas**

```
ods noproctitle;

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

proc means data=STPROJ.OFFDATAHERI n nmiss min mean median max std;
  var _numeric_;
run;

title;

proc univariate data=STPROJ.OFFDATAHERI noprint;
  histogram _numeric_;
run;

title;

/* ----- HISTOGRAMS ----- */
title "Histograms for All Numeric Variables";
proc univariate data=STPROJ.OFFDATAHERI;
  var _numeric_;
  histogram / normal; /* includes normal curve */
run;

/** Histograms & Normality Tests **/
title "Histograms and Normality Tests for All Numeric Variables";

proc univariate data=STPROJ.OFFDATAHERI normal;
  var _numeric_;
  histogram / normal;
  inset n mean std skewness kurtosis / position=ne;
run;

title;

/** Correlations for ALL numeric variables **/
title "Correlation Matrix for All Numeric Variables";
proc corr data=STPROJ.OFFDATAHERI pearson spearman;
  var _numeric_;
run;
```

**Log: adhoc and norality for OFFDATAHERI.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 ALL numeric variables **/
73      title "Descriptive Statistics for ALL Numeric Variables";
74
75      proc means data=STPROJ.OFFDATAHERI n nmiss min mean median max std;
76        var _numeric_;
77      run;
```

NOTE: There were 4962 observations read from the data set STPROJ.OFFDATAHERI.

NOTE: PROCEDURE MEANS used (Total process time):

real time	0.12 seconds
user cpu time	0.13 seconds
system cpu time	0.01 seconds
memory	8913.17k
OS Memory	32952.00k
Timestamp	11/13/2025 09:13:08 PM
Step Count	59 Switch Count 1
Page Faults	0
Page Reclaims	1947
Page Swaps	0
Voluntary Context Switches	58
Involuntary Context Switches	3
Block Input Operations	0
Block Output Operations	24

```

78
79      title;
80
81      proc univariate data=STPROJ.OFFDATAHERI noprint;
82          histogram _numeric_;
83      run;
```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	4.91 seconds
user cpu time	1.26 seconds
system cpu time	0.13 seconds
memory	15613.60k
OS Memory	40968.00k
Timestamp	11/13/2025 09:13:12 PM
Step Count	60 Switch Count 0
Page Faults	0
Page Reclaims	17808
Page Swaps	0
Voluntary Context Switches	4078
Involuntary Context Switches	96
Block Input Operations	0
Block Output Operations	17504

```

84
85      title;
86
87      /* ----- HISTOGRAMS ----- */
88      title "Histograms for All Numeric Variables";
89      proc univariate data=STPROJ.OFFDATAHERI;
90          var _numeric_;
91          histogram / normal; /* includes normal curve */
92      run;
```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	5.40 seconds
user cpu time	3.70 seconds
system cpu time	0.23 seconds
memory	9941.65k
OS Memory	41992.00k
Timestamp	11/13/2025 09:13:18 PM
Step Count	61 Switch Count 0
Page Faults	0
Page Reclaims	15012
Page Swaps	0
Voluntary Context Switches	30873
Involuntary Context Switches	116
Block Input Operations	0
Block Output Operations	10224

```

93
94      *** Histograms & Normality Tests ***
95      title "Histograms and Normality Tests for All Numeric Variables";
96
97      proc univariate data=STPROJ.OFFDATAHERI normal;
98          var _numeric_;
99          histogram / normal;
100         inset n mean std skewness kurtosis / position=ne;
101     run;
```

NOTE: PROCEDURE UNIVARIATE used (Total process time):

real time	6.58 seconds
user cpu time	4.11 seconds
system cpu time	0.24 seconds
memory	9799.90k
OS Memory	42760.00k

```

Timestamp      11/13/2025 09:13:24 PM
Step Count      62  Switch Count  0
Page Faults    0
Page Reclaims   14914
Page Swaps     0
Voluntary Context Switches 30927
Involuntary Context Switches 128
Block Input Operations 0
Block Output Operations 16912

```

```

102
103      title;
104
105      /*** Correlations for ALL numeric variables ***/
106      title "Correlation Matrix for All Numeric Variables";
107      proc corr data=STPROJ.OFFDATAHERI pearson spearman;
108          var _numeric_;
109      run;

```

NOTE: PROCEDURE CORR used (Total process time):

```

real time      2.26 seconds
user cpu time  2.24 seconds
system cpu time 0.00 seconds
memory        7713.78k
OS Memory      41900.00k
Timestamp      11/13/2025 09:13:27 PM
Step Count      63  Switch Count  0
Page Faults    0
Page Reclaims   473
Page Swaps     0
Voluntary Context Switches 6
Involuntary Context Switches 10
Block Input Operations 0
Block Output Operations 880

```

```

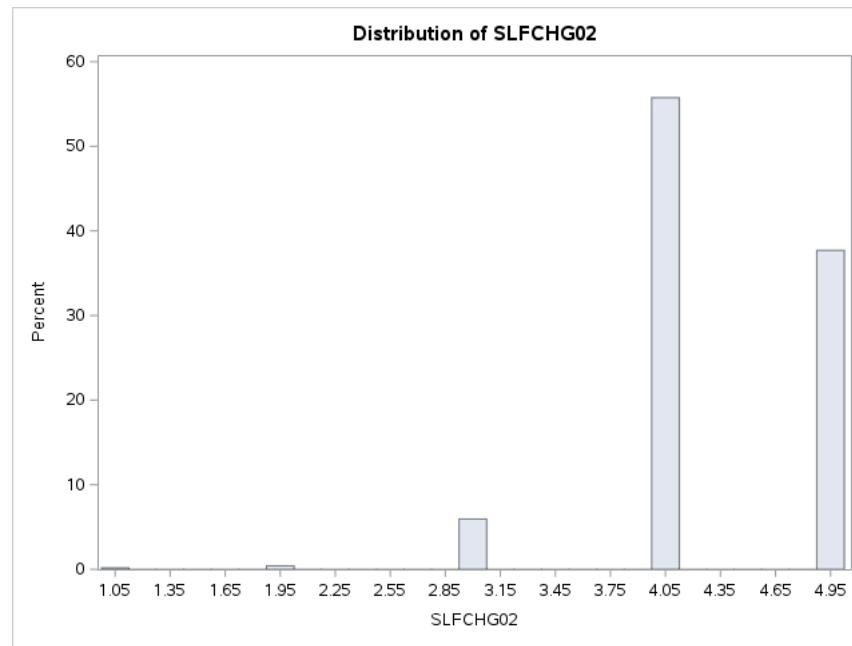
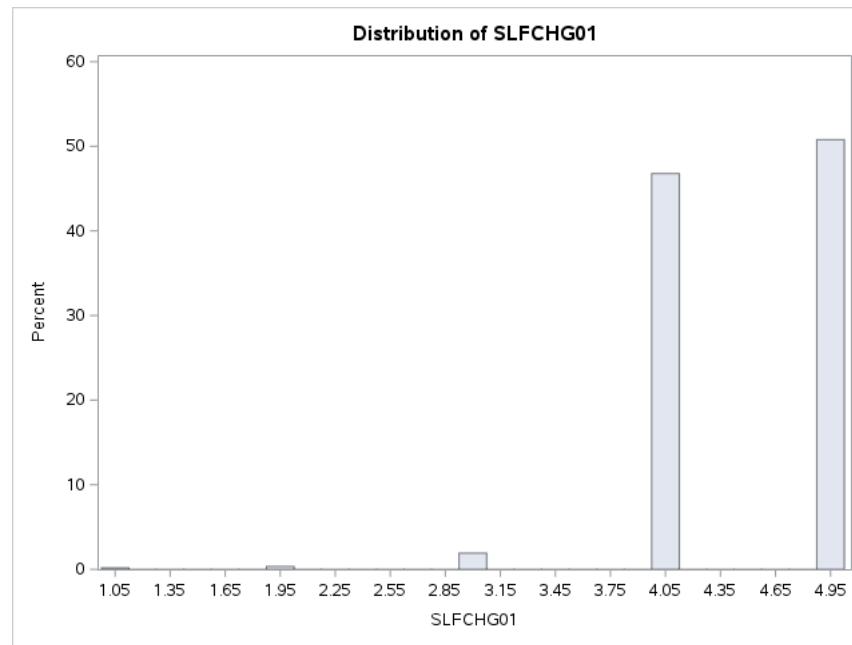
110
111
112      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
122

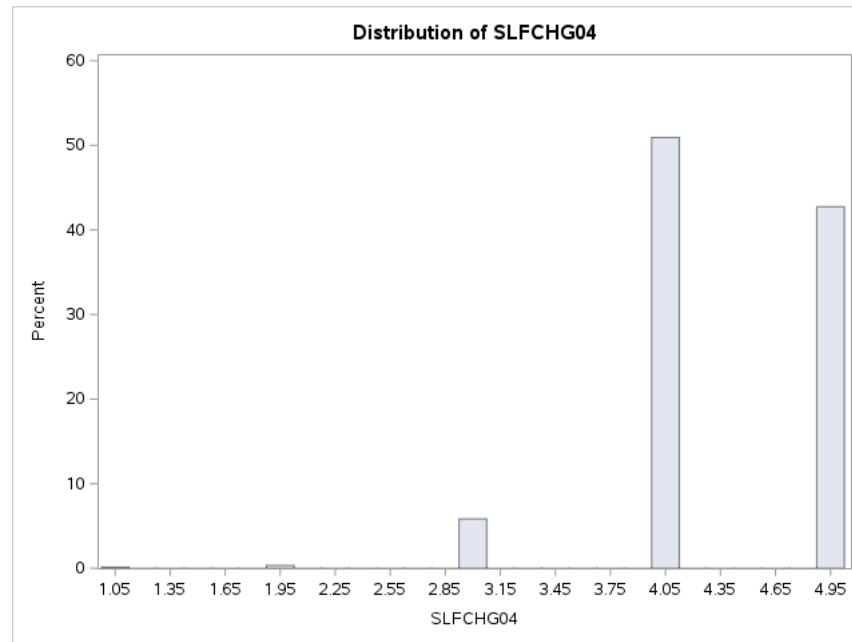
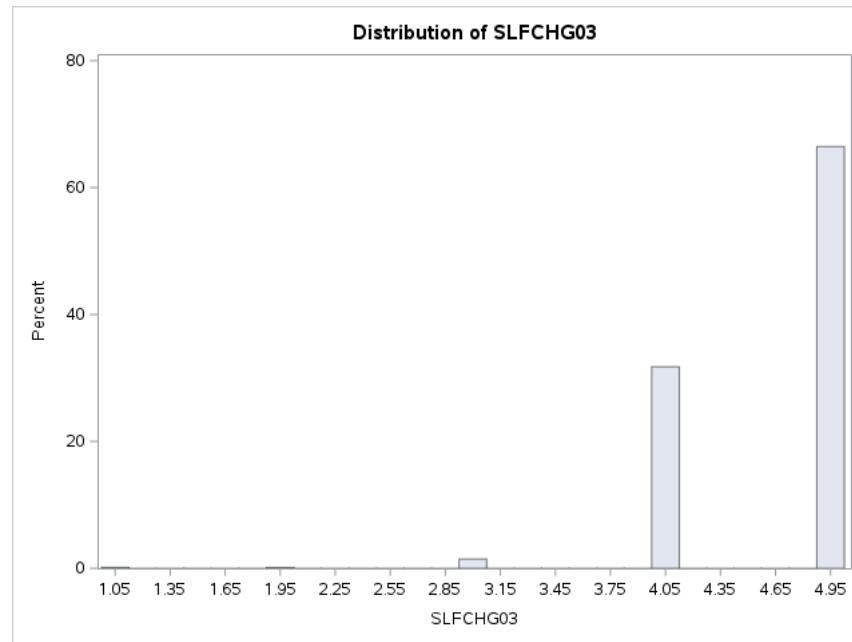
```

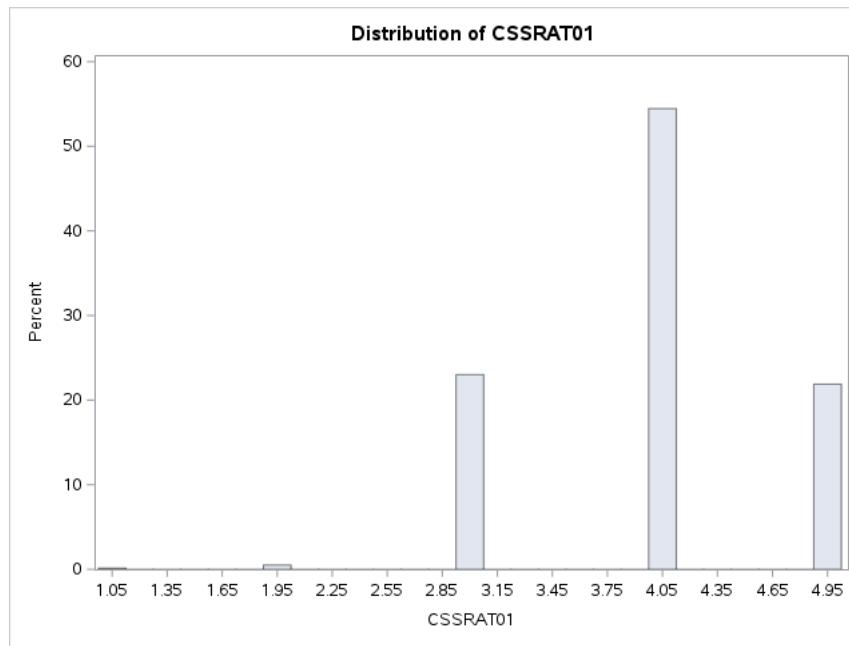
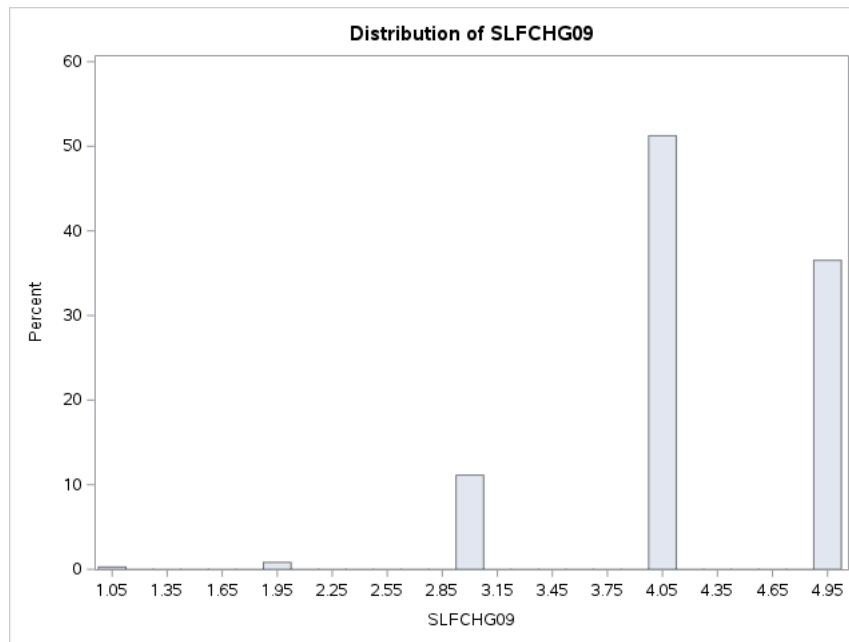
## Results: adhoc and norality for OFFDATAHERI.sas

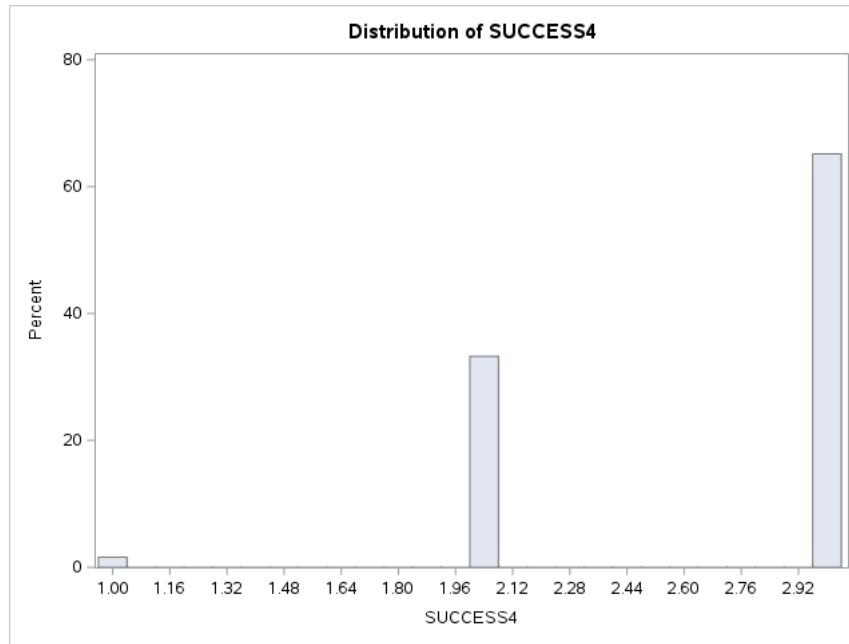
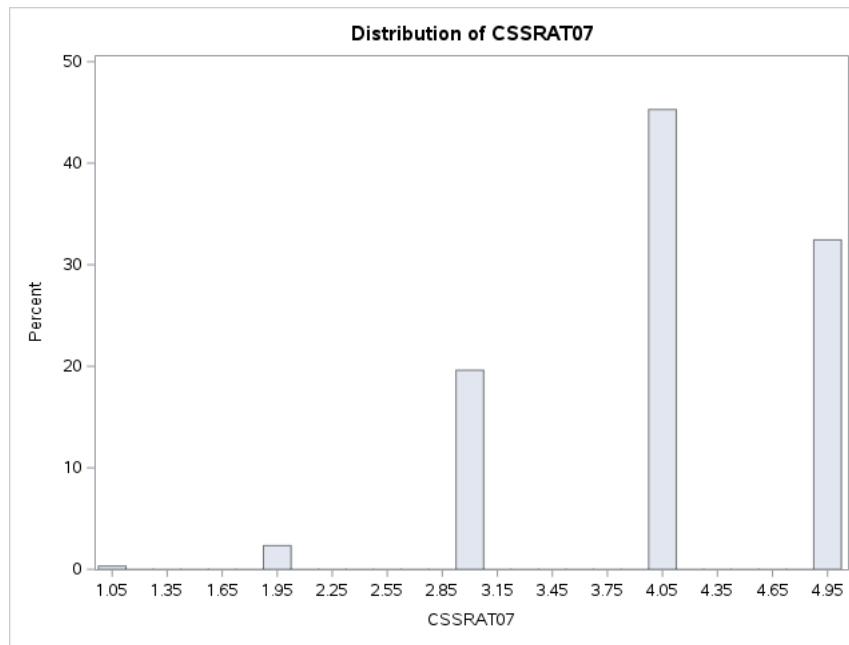
Descriptive Statistics for ALL Numeric Variables

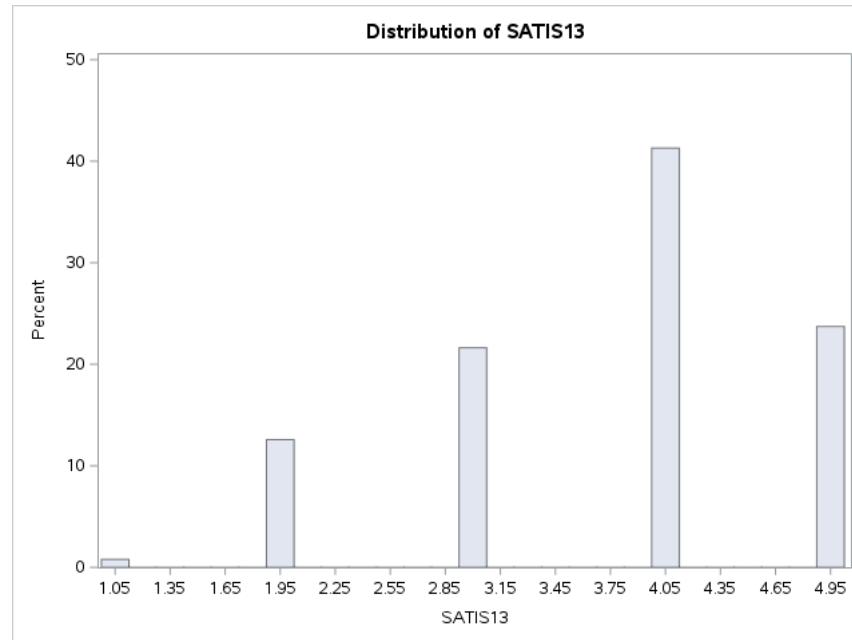
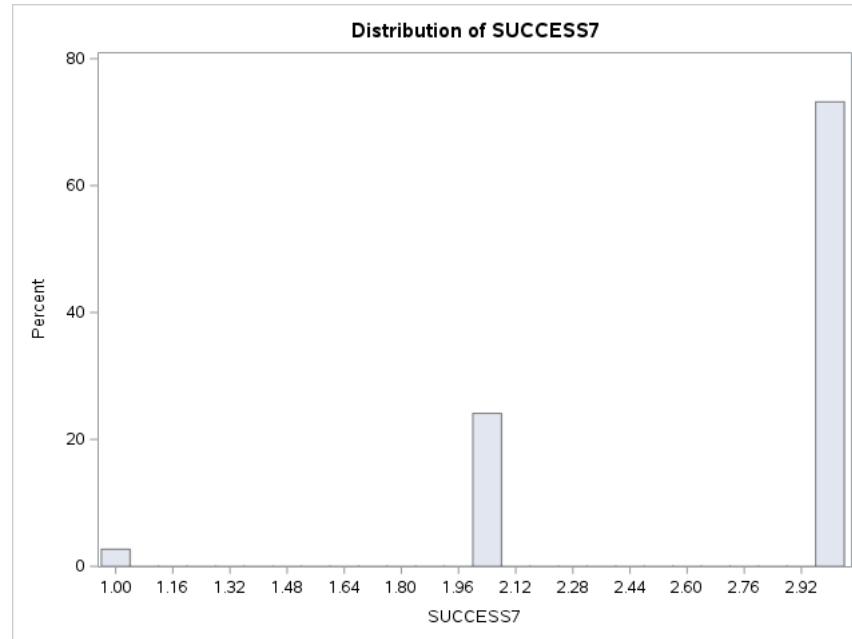
Variable	N	N Miss	Minimum	Mean	Median	Maximum	Std Dev
SLFCHG01	4962	0	1.000000	4.4764208	5.000000	5.000000	0.5745635
SLFCHG02	4962	0	1.000000	4.3037082	4.000000	5.000000	0.6144979
SLFCHG03	4962	0	1.000000	4.6422813	5.000000	5.000000	0.5357694
SLFCHG04	4962	0	1.000000	4.3579202	4.000000	5.000000	0.6198903
SLFCHG09	4962	0	1.000000	4.2289399	4.000000	5.000000	0.6946573
CSSRAT01	4962	0	1.000000	3.9744055	4.000000	5.000000	0.6937608
CSSRAT07	4962	0	1.000000	4.0719468	4.000000	5.000000	0.7987739
SUCCESS4	4962	0	1.000000	2.6356308	3.000000	3.000000	0.5133219
SUCCESS7	4962	0	1.000000	2.7049577	3.000000	3.000000	0.5119137
SATIS13	4962	0	1.000000	3.7458686	4.000000	5.000000	0.9812329
SATIS01	4962	0	1.000000	3.8742443	4.000000	5.000000	0.7965265
SATIS02	4962	0	1.000000	3.5634825	4.000000	5.000000	0.9713185
SATIS07	4962	0	1.000000	4.0842402	4.000000	5.000000	0.7331783
SATIS15	4962	0	1.000000	3.6311971	4.000000	5.000000	0.9913037
SATIS25	4962	0	1.000000	3.9159613	4.000000	5.000000	1.0063251
SATIS28	4962	0	1.000000	4.1652559	4.000000	5.000000	0.7521373
CSSRAT16	4962	0	1.000000	3.6944780	4.000000	5.000000	0.8644038
GENACT05	4962	0	1.000000	2.2972592	2.000000	3.000000	0.5909590
COLACT19	4962	0	1.000000	1.0189440	1.000000	2.000000	0.1363409
COLACT17	4962	0	1.000000	1.4818622	1.000000	2.000000	0.4997213
FATHEDUC	4962	0	1.000000	5.5719468	6.000000	8.000000	1.9952986
MOTHEDUC	4962	0	1.000000	5.3333333	6.000000	8.000000	1.8445246
RACEGROUP	4962	0	1.000000	1.9113261	1.000000	5.000000	1.2472088
UndrRepStud_RC	4962	0	0	0.2861749	0	1.000000	0.4520177
FINCON_RC	4962	0	0	0.8087465	1.000000	2.000000	0.6424323
FirstGen_RC	4962	0	0	0.6636437	1.000000	1.000000	0.4725100
INCOME	4962	0	1.000000	9.3145909	10.000000	14.000000	3.1144248
HSGPA	4962	0	1.000000	6.5602580	7.000000	8.000000	1.3368758
CITIZEN	4962	0	1.000000	1.9328900	2.000000	2.000000	0.2502377
PLANLIVE	4962	0	1.000000	2.8424203	3.000000	6.000000	0.6199594
DStud_RC	4962	0	1.000000	1.0054414	1.000000	2.000000	0.0735720
SIFRAT01	4962	0	1.000000	3.9457880	4.000000	5.000000	0.6847928
SIFRAT07	4962	0	1.000000	4.0767836	4.000000	5.000000	0.7853406
SIFMAJA	4962	0	1.000000	8.0699315	7.000000	16.000000	4.7242173
CSSHWP01	4962	0	1.000000	5.3248690	5.000000	8.000000	1.4465071
CSSHWP02	4962	0	1.000000	5.8943974	6.000000	8.000000	1.1841751
CSSHWP03	4962	0	1.000000	5.5679162	5.000000	8.000000	1.4797983
CSSHWP05	4962	0	1.000000	3.4866989	4.000000	8.000000	1.7540590
CSSHWP08	4962	0	1.000000	2.7529222	3.000000	8.000000	1.5871563
COLLGPAA	4962	0	1.000000	4.6293833	5.000000	6.000000	0.8843001
Success_Latent	4962	0	-1.8523172	-0.0053024	-0.0132024	0.6376667	0.3736735

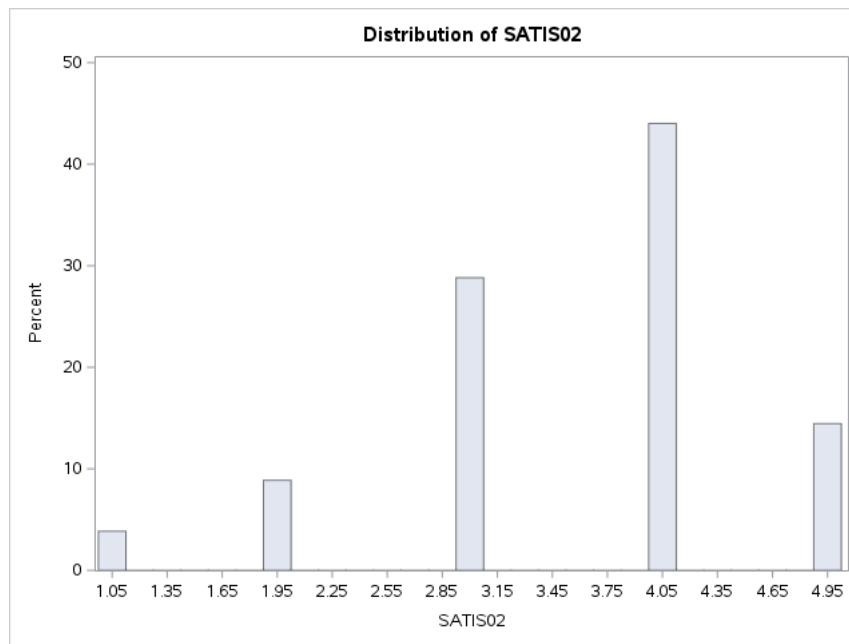
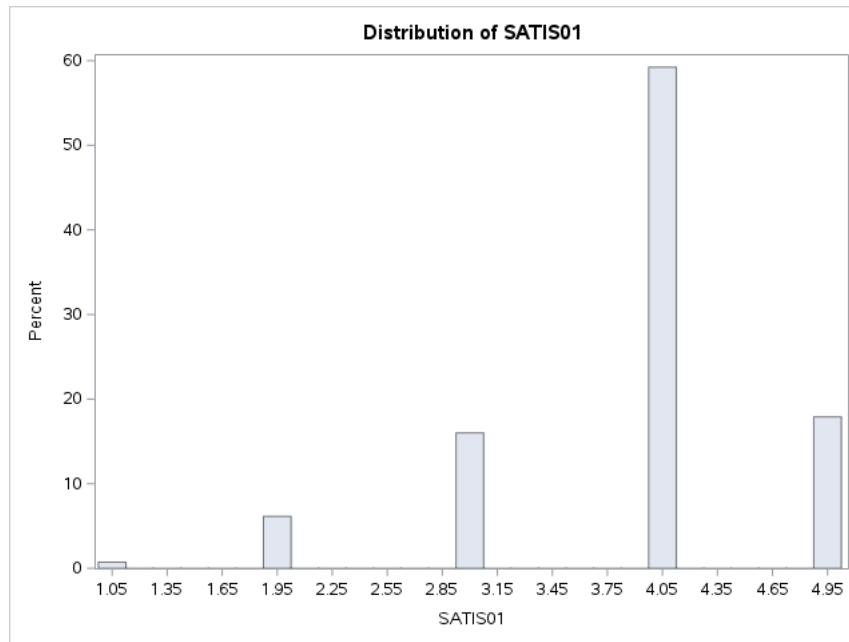


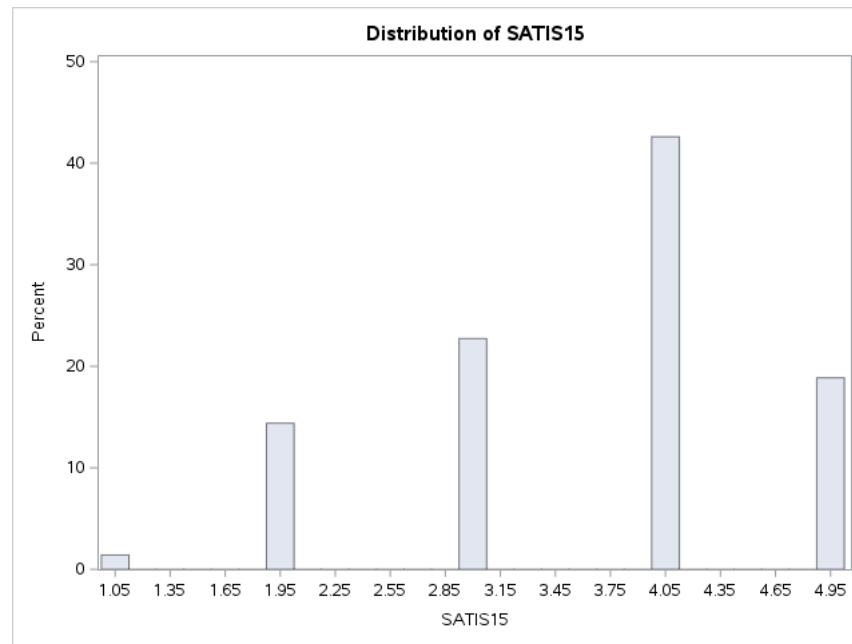
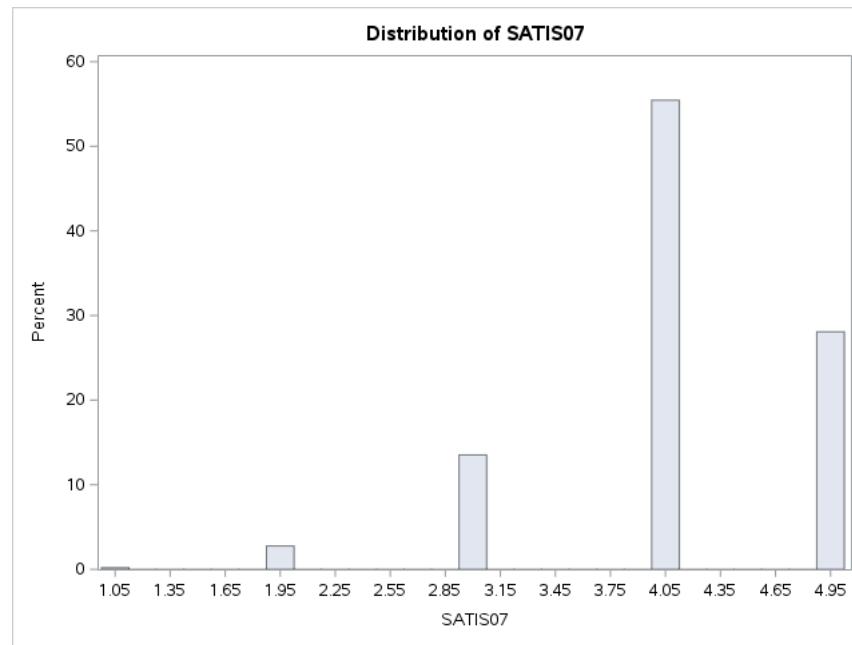


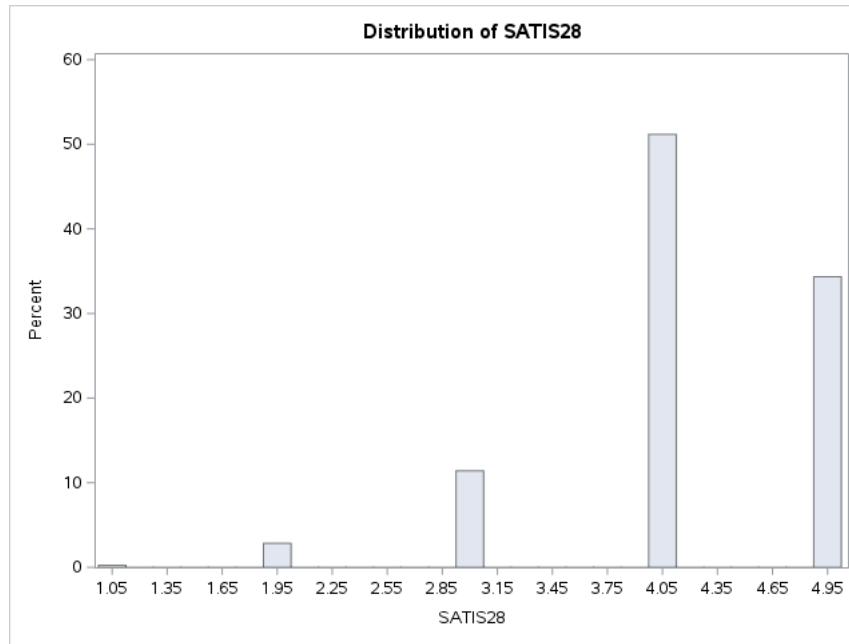
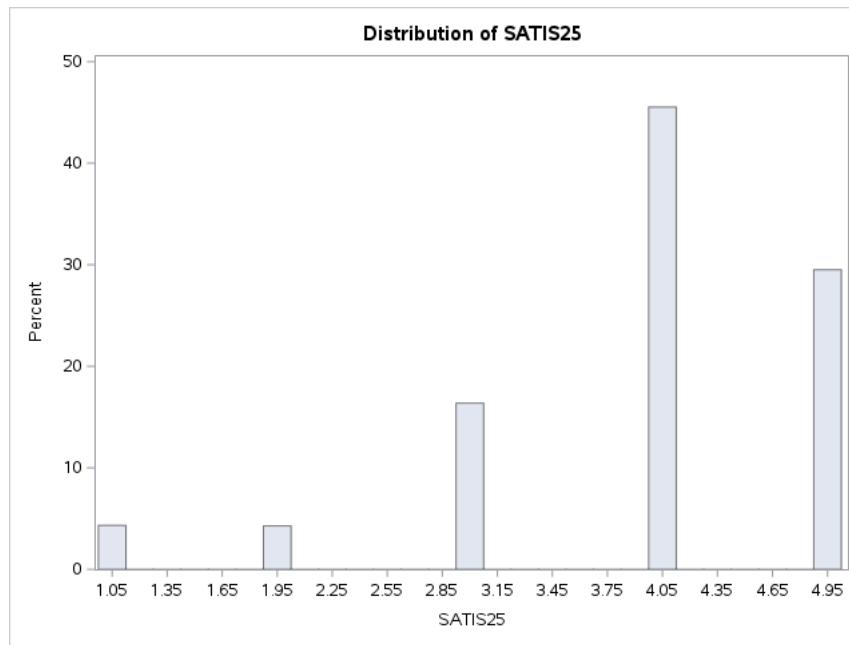


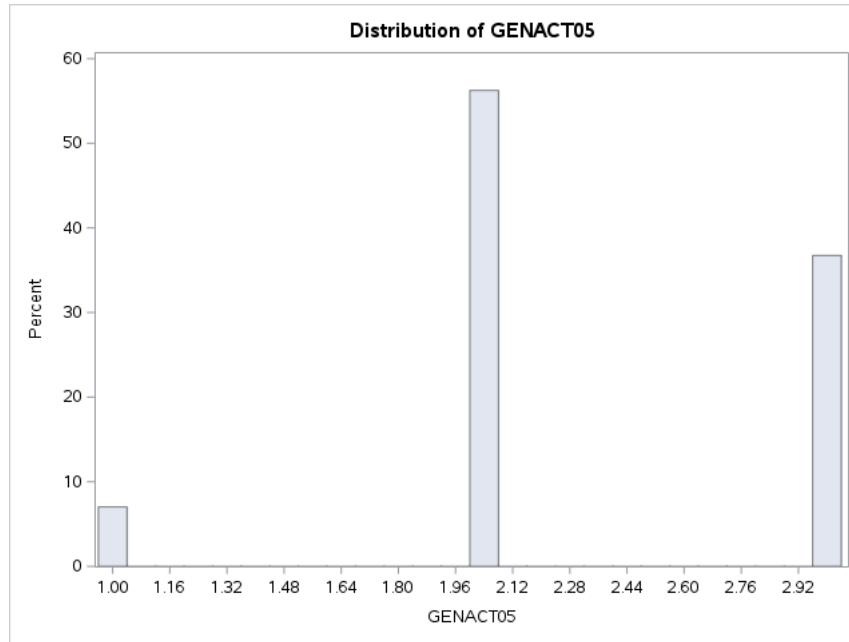
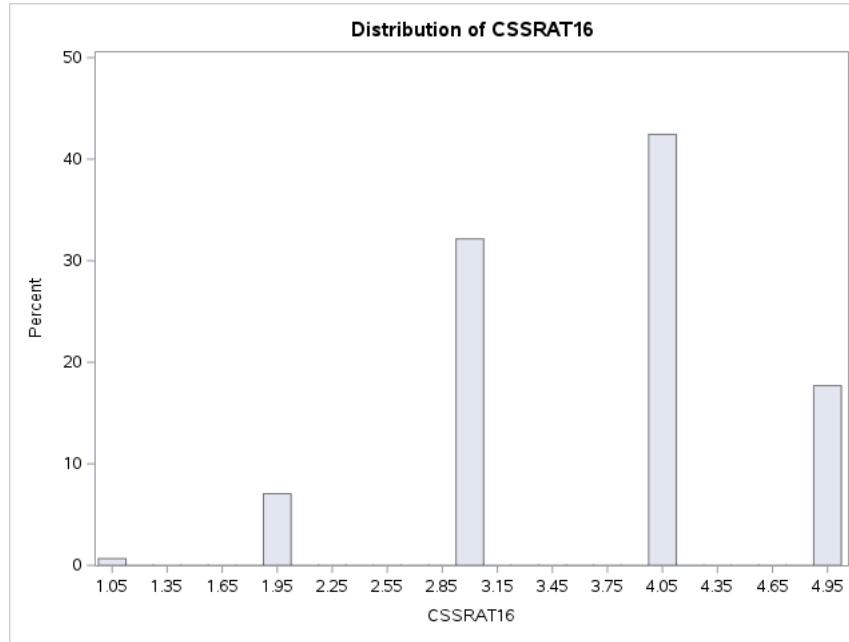


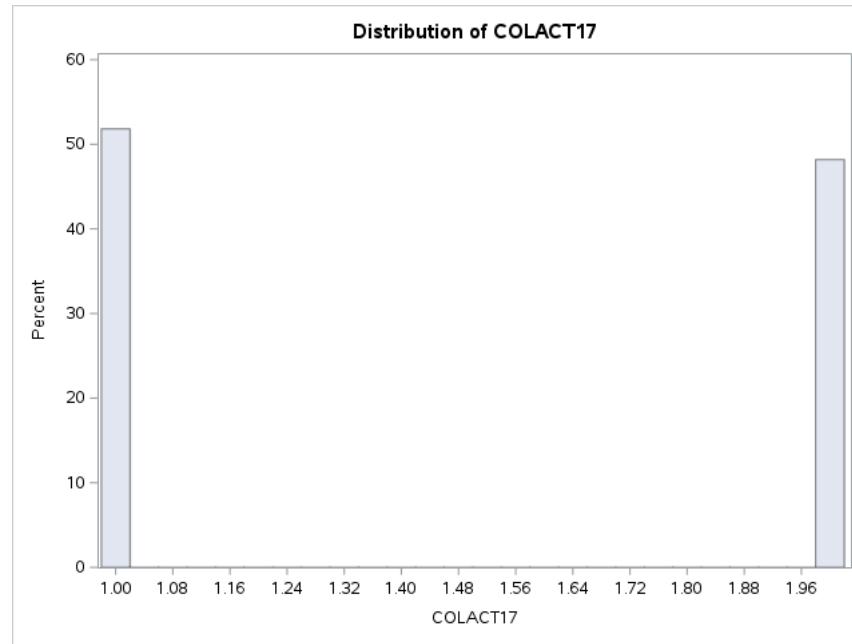
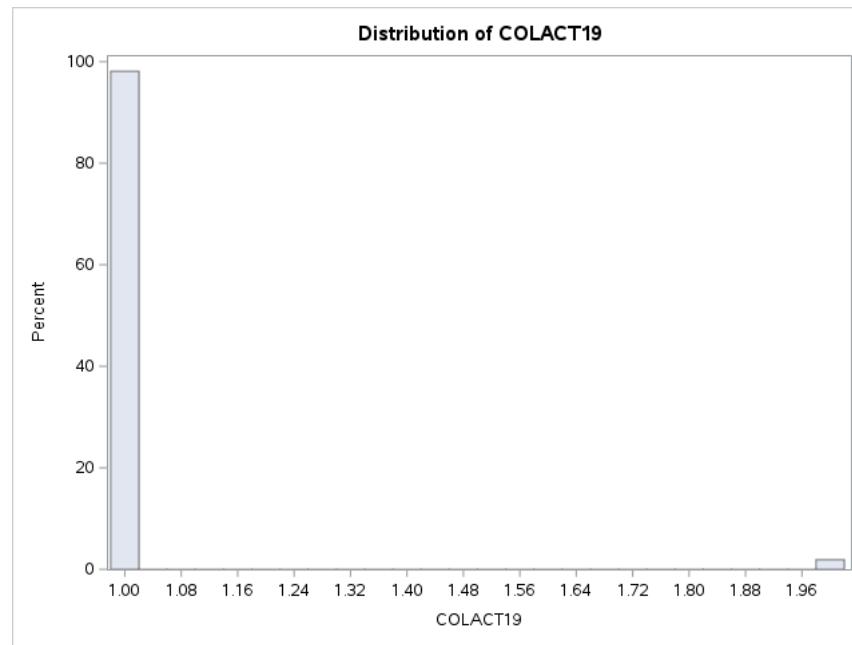


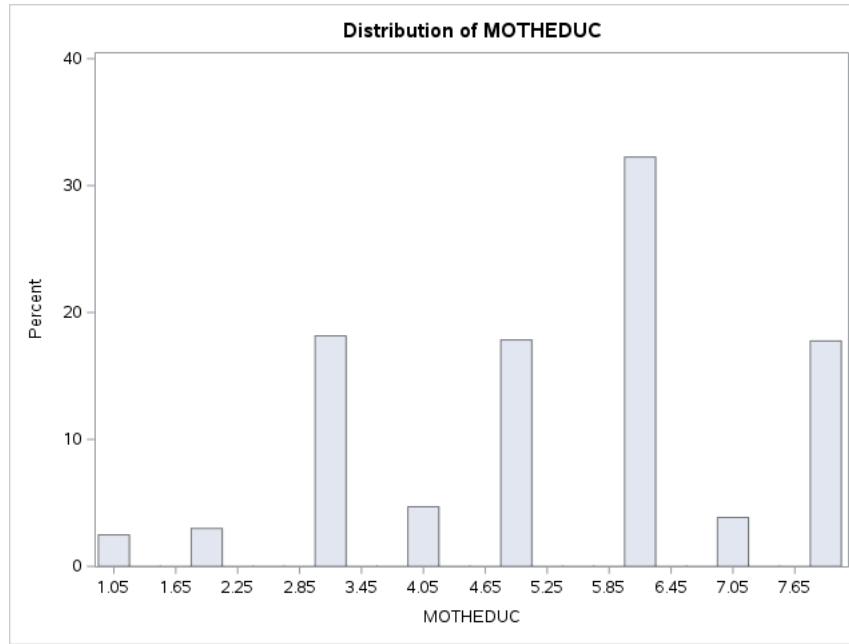
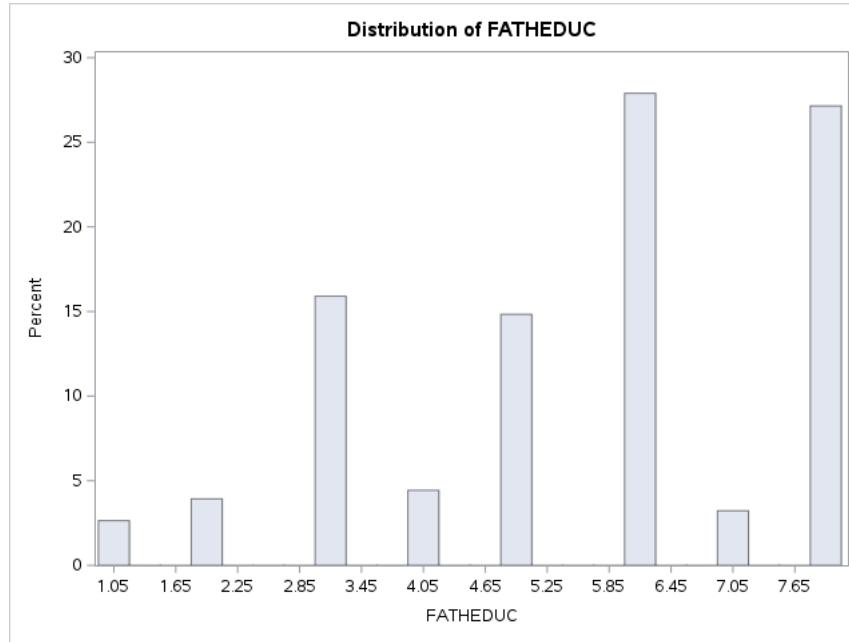


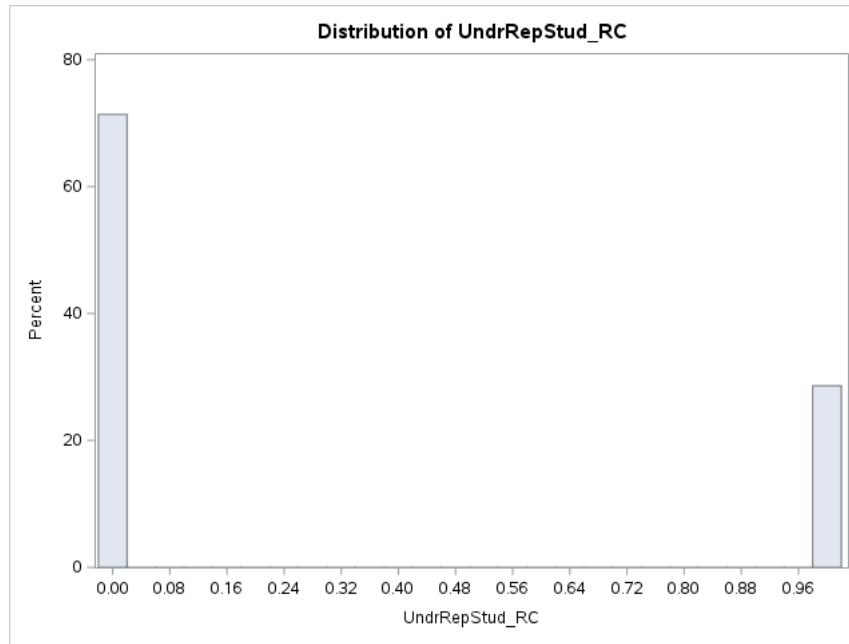
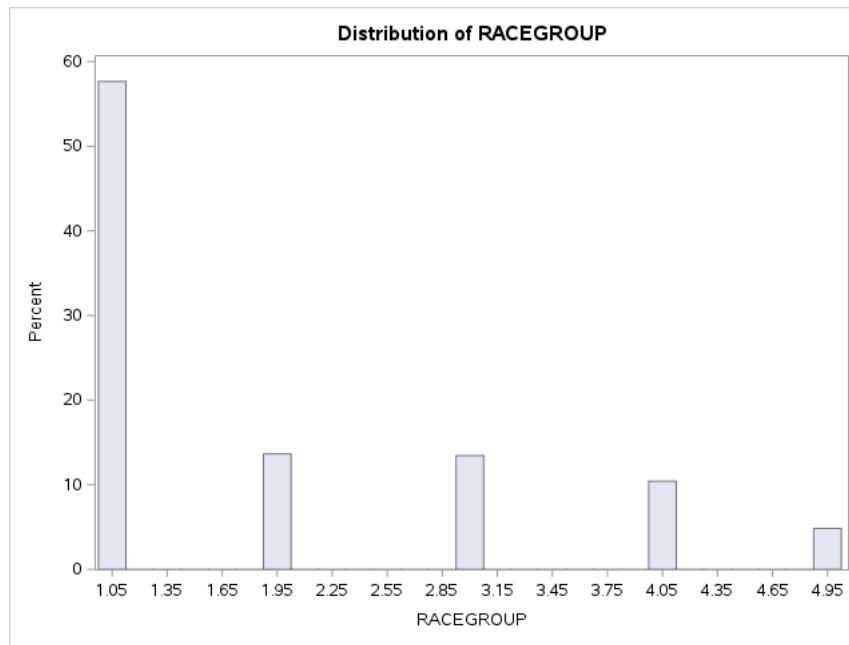


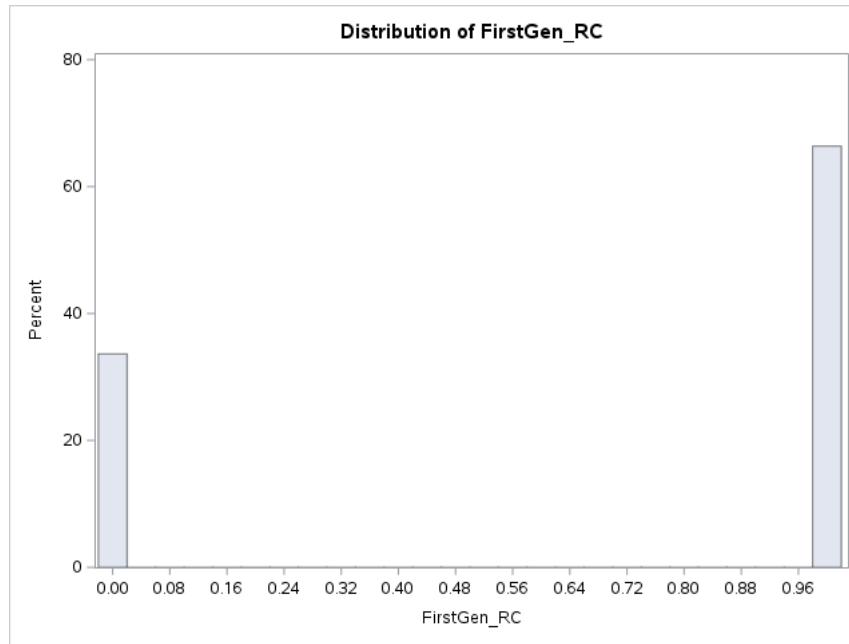
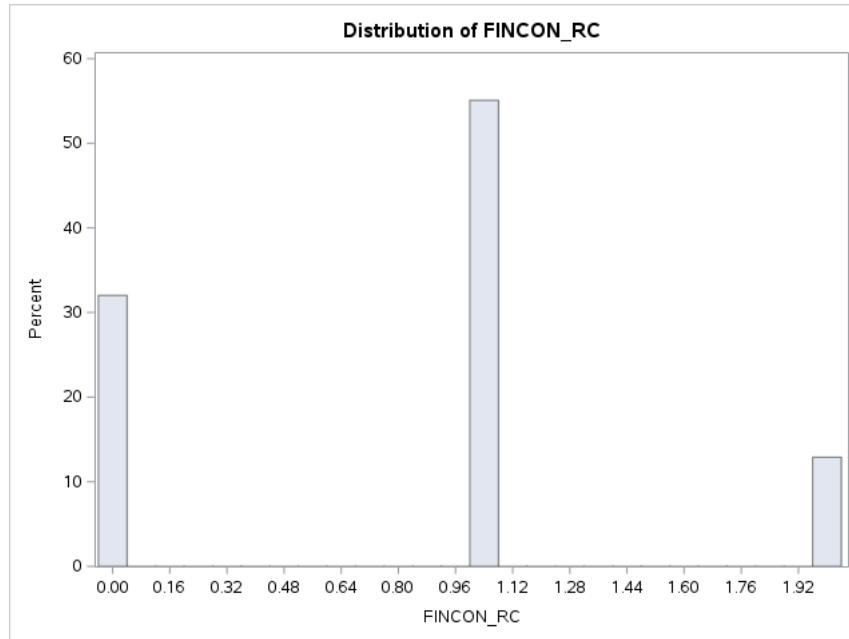


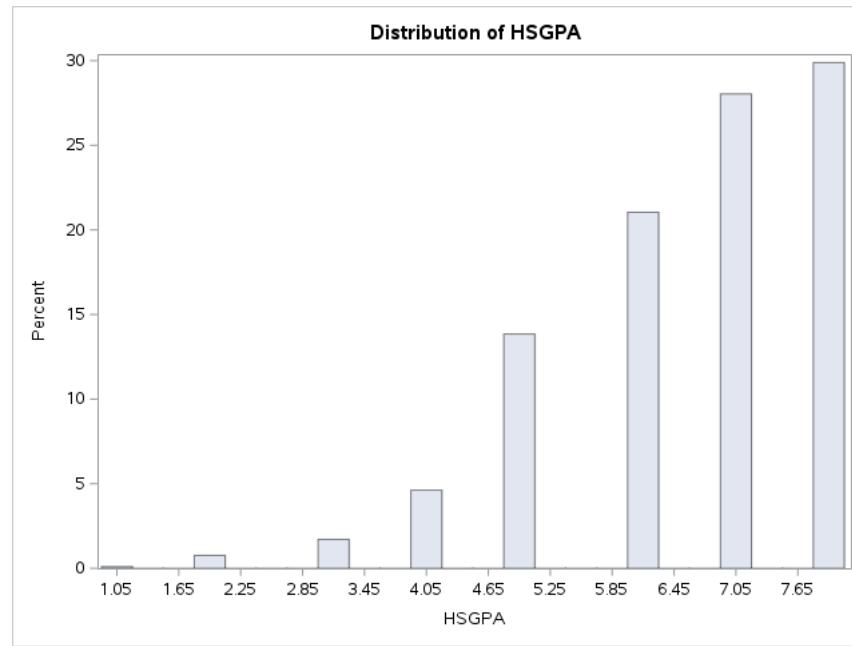
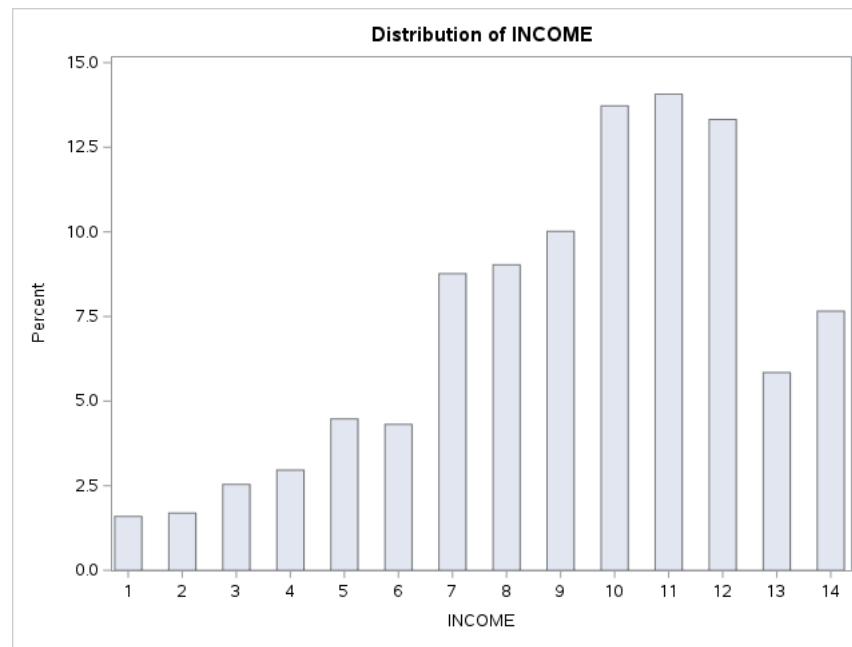


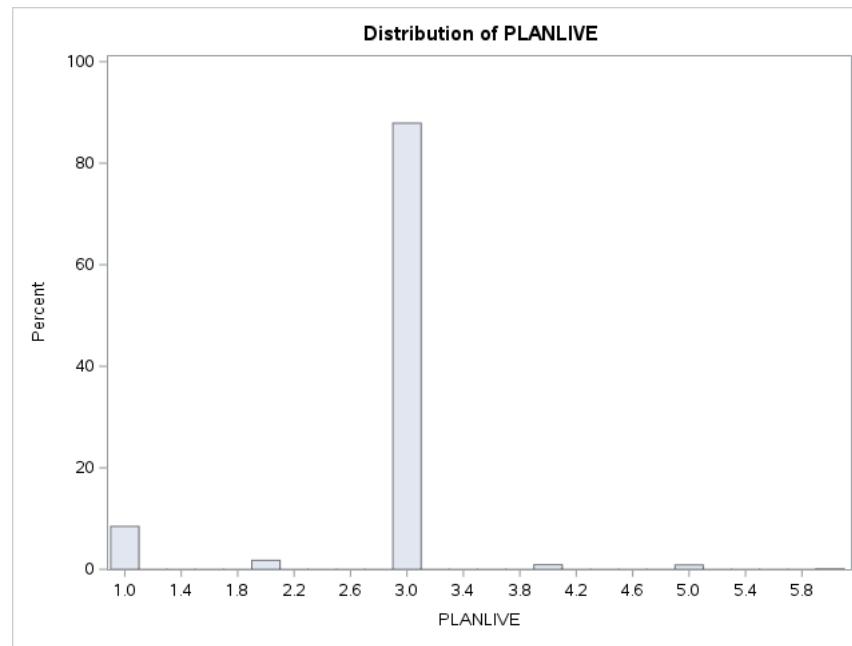
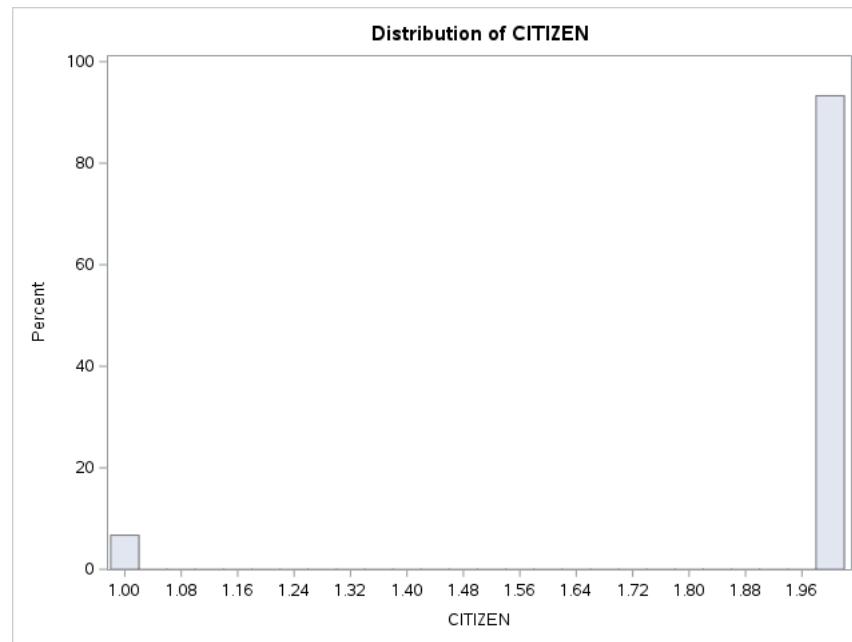


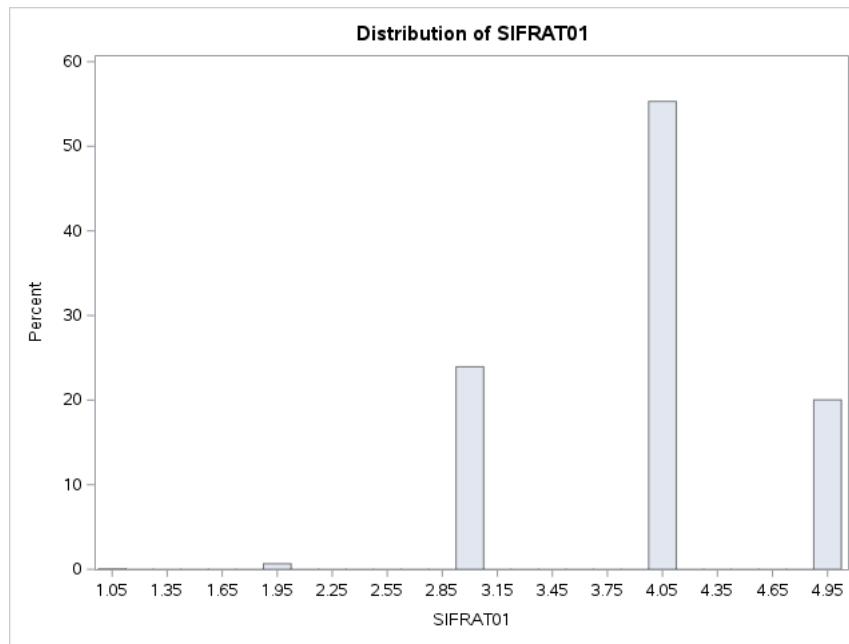
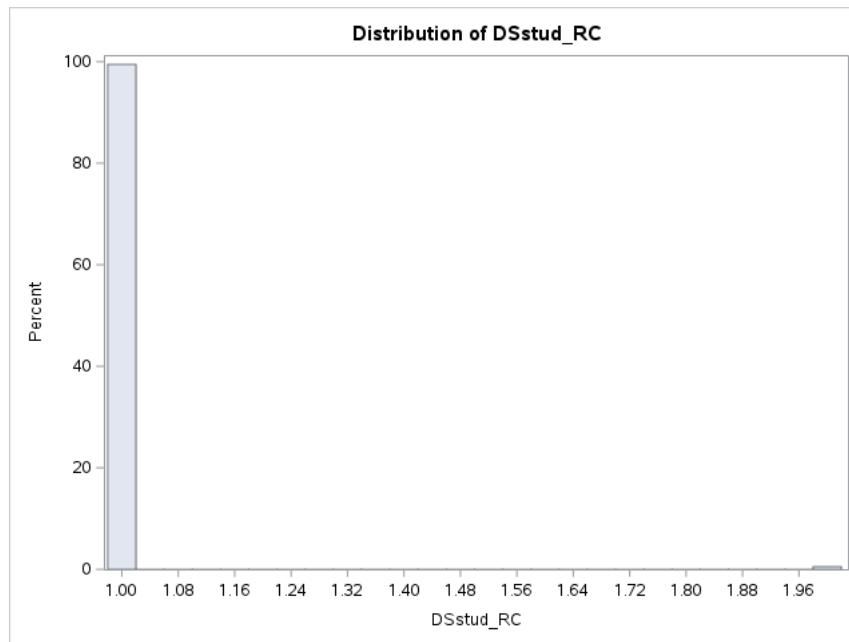


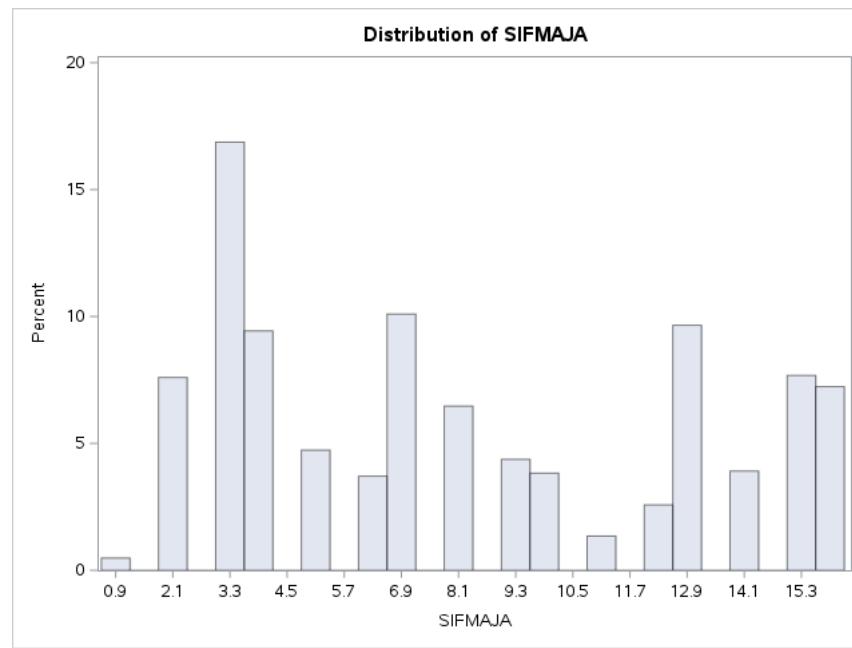
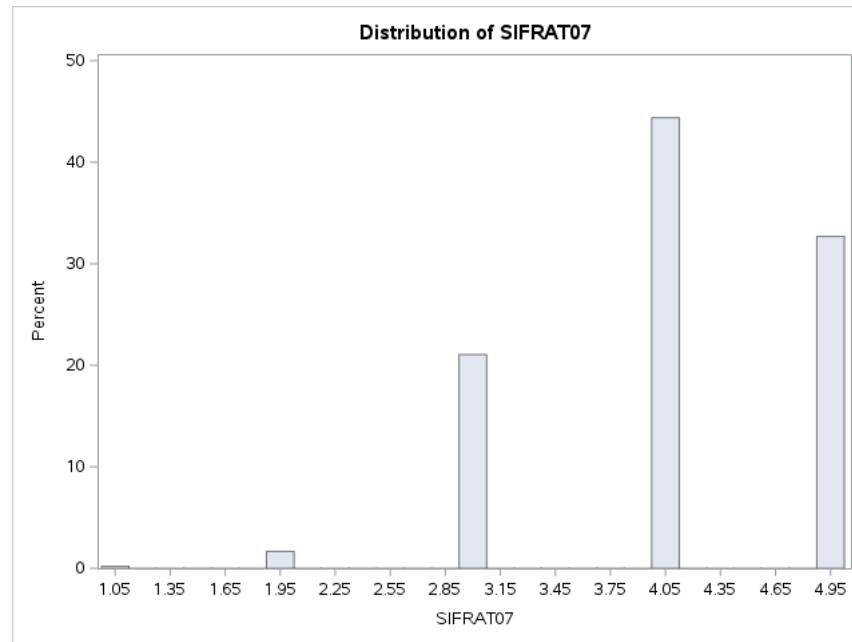


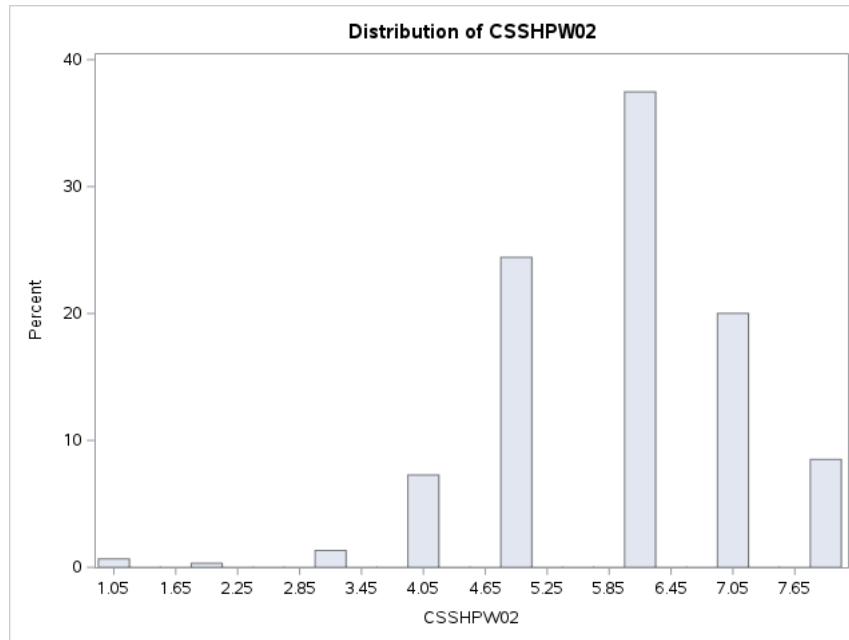
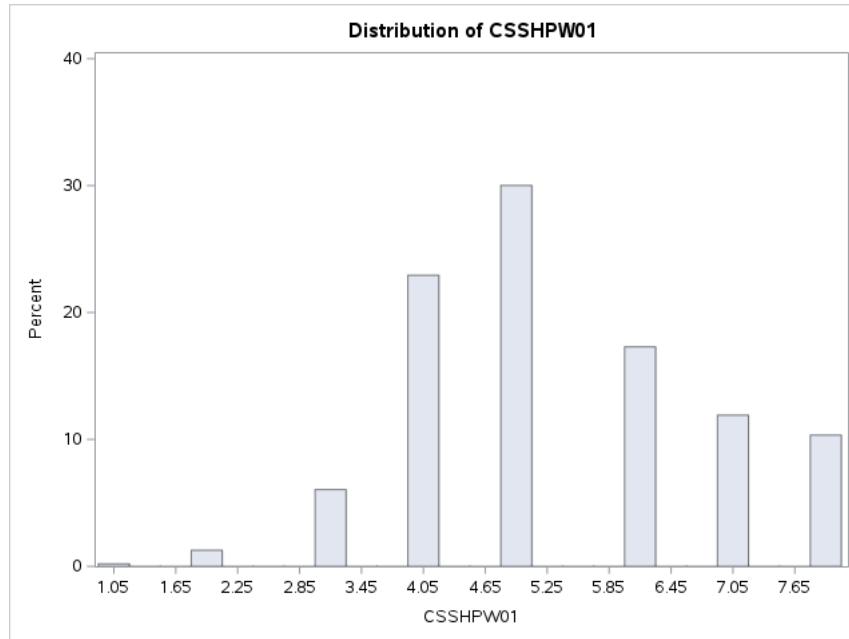


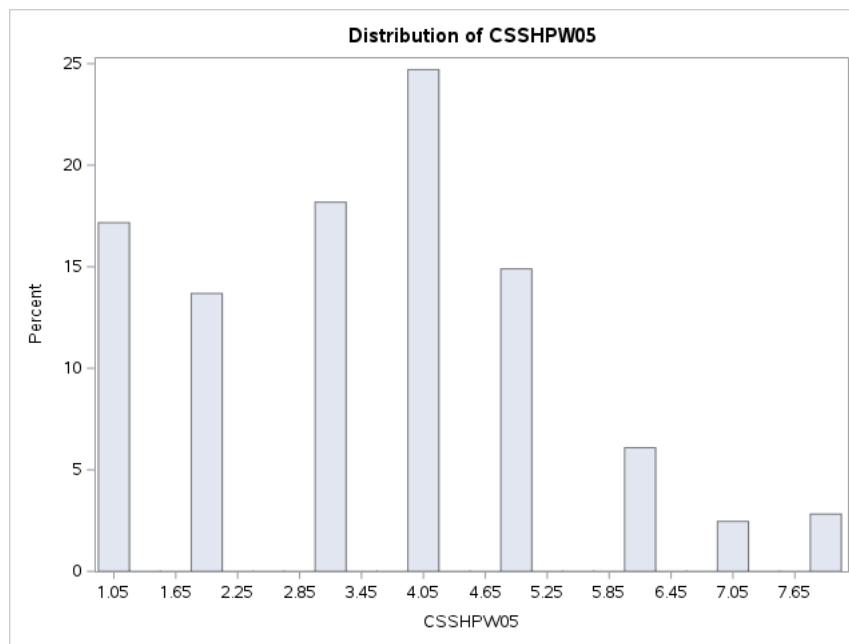
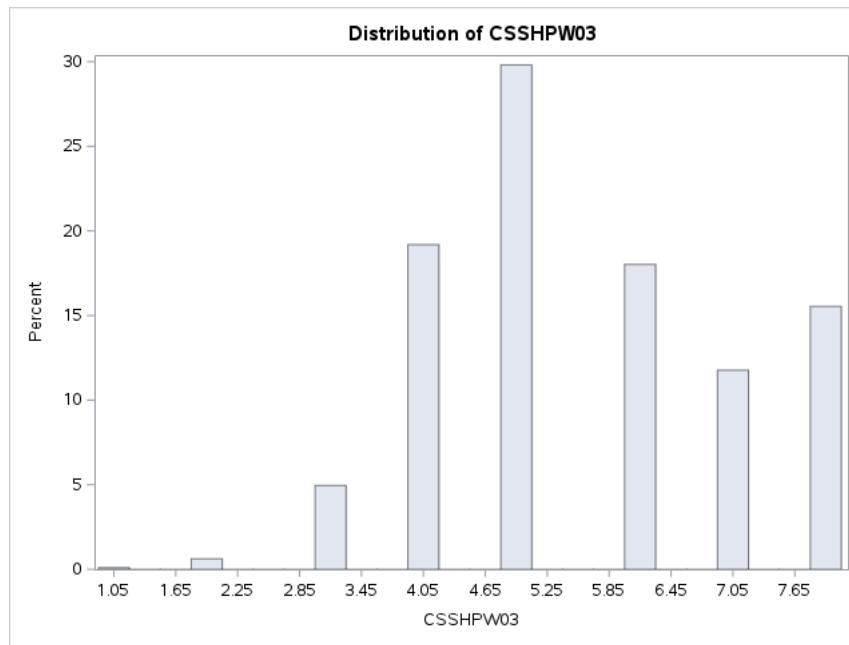


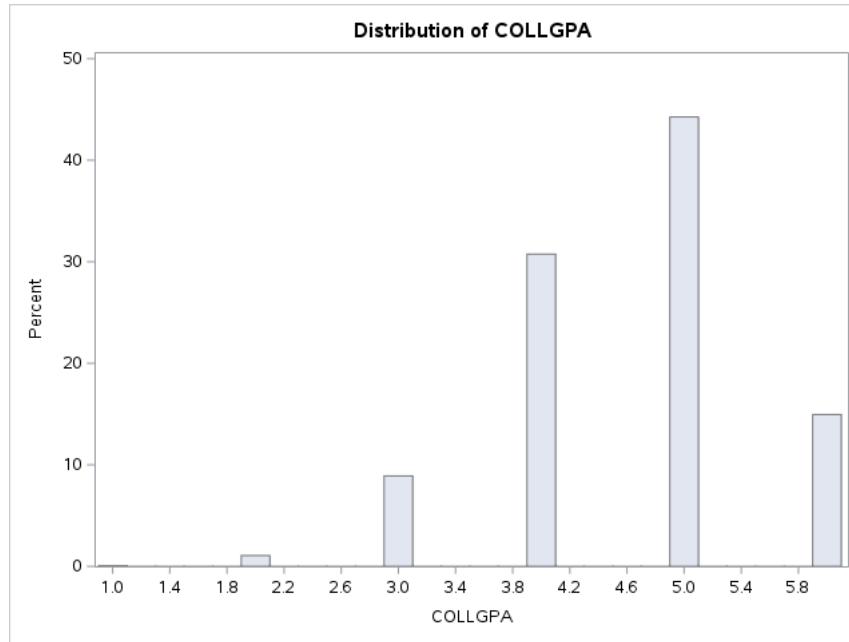
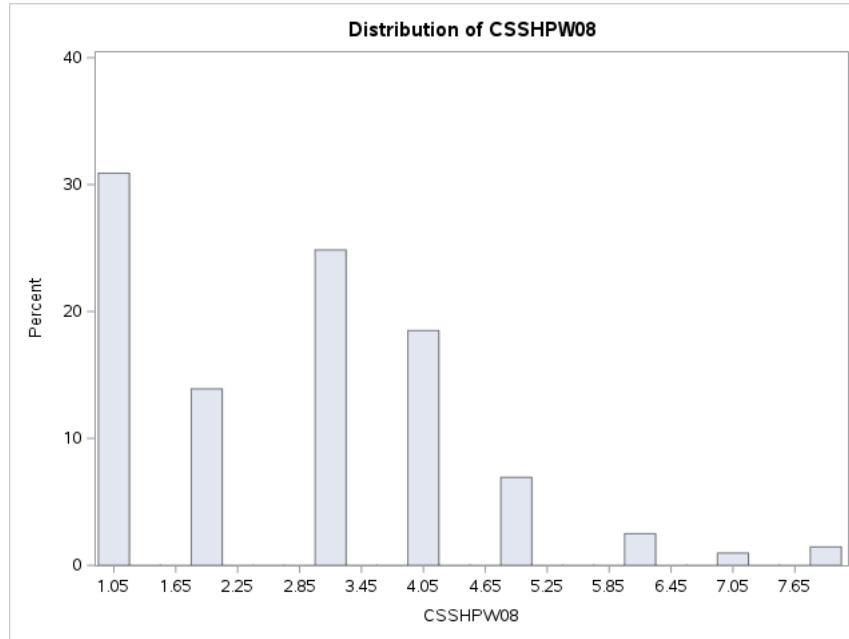


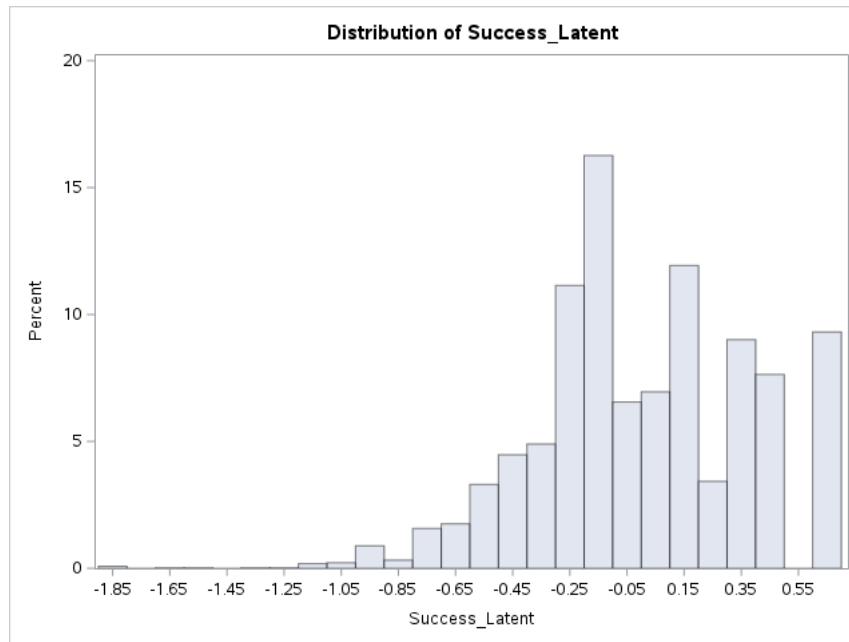










**Histograms for All Numeric Variables**

Variable: SLFCHG01

Moments			
<b>N</b>	4962	<b>Sum Weights</b>	4962
<b>Mean</b>	4.4764208	<b>Sum Observations</b>	22212
<b>Std Deviation</b>	0.57456349	<b>Variance</b>	0.33012321
<b>Skewness</b>	-0.8838282	<b>Kurtosis</b>	2.02454933
<b>Uncorrected SS</b>	101068	<b>Corrected SS</b>	1637.74123
<b>Coeff Variation</b>	12.8353325	<b>Std Error Mean</b>	0.00815661

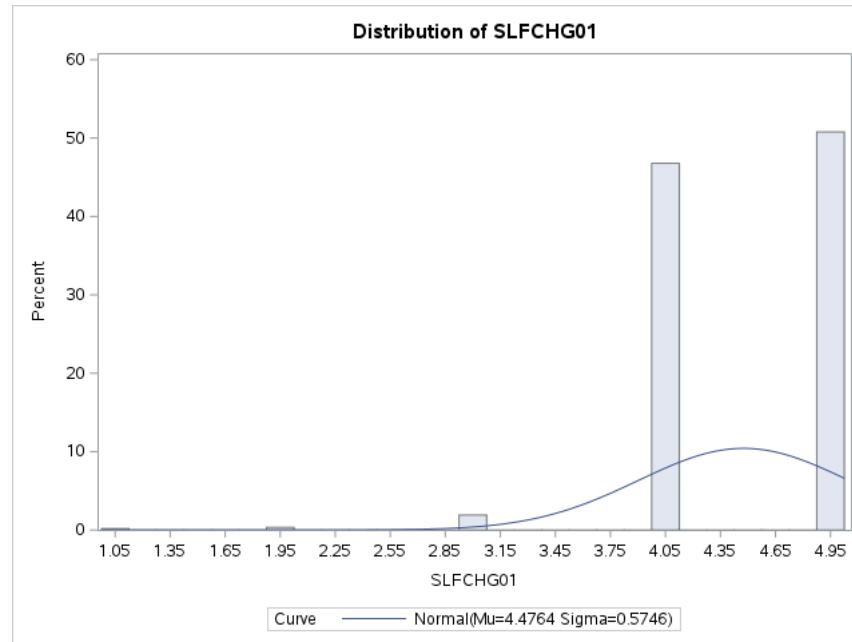
Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	4.476421	<b>Std Deviation</b>	0.57456
<b>Median</b>	5.000000	<b>Variance</b>	0.33012
<b>Mode</b>	5.000000	<b>Range</b>	4.00000
		<b>Interquartile Range</b>	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	548.809	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001
Signed Rank	S	6156602	Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4958
1	4609	5	4959
1	4567	5	4960
1	4539	5	4961
1	3131	5	4962

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SLFCHG01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.476421
Std Dev	Sigma	0.574563

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.326782	Pr > D <0.010
Cramer-von Mises	W-Sq	116.829585	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	685.793113	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.13979
5.0	4.00000	3.53135
10.0	4.00000	3.74009
25.0	4.00000	4.08888
50.0	5.00000	4.47642
75.0	5.00000	4.86396
90.0	5.00000	5.21275
95.0	5.00000	5.42149
99.0	5.00000	5.81306

**Histograms for All Numeric Variables**

Variable: SLFCHG02

Moments			
N	4962	Sum Weights	4962
Mean	4.30370818	Sum Observations	21355
Std Deviation	0.61449792	Variance	0.37760769
Skewness	-0.5916699	Kurtosis	1.21478465
Uncorrected SS	93779	Corrected SS	1873.31177
Coeff Variation	14.2783361	Std Error Mean	0.00872353

Basic Statistical Measures			
Location		Variability	
Mean	4.303708	Std Deviation	0.61450
Median	4.000000	Variance	0.37761
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	493.3451	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

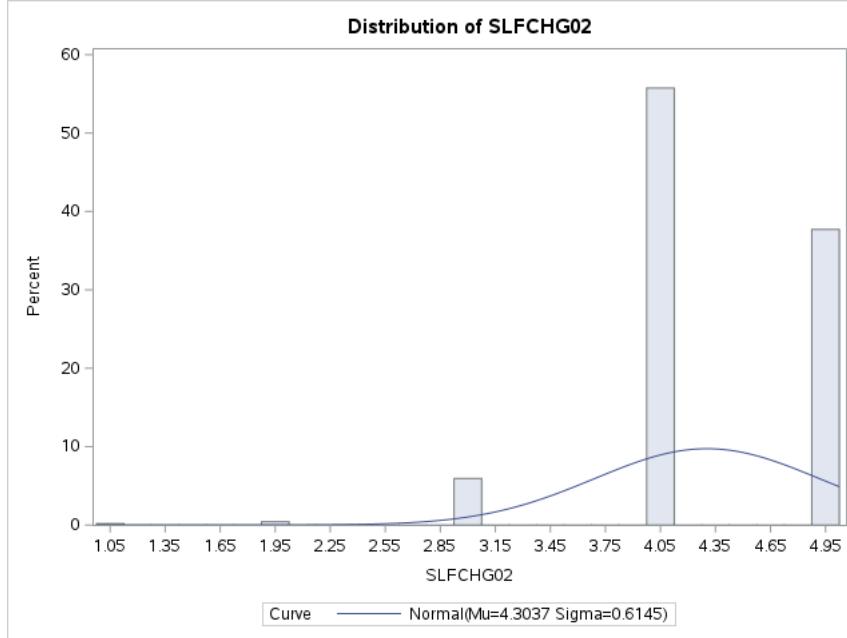
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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%	4
5%	3
1%	3
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4955
1	4609	5	4956
1	4567	5	4958
1	4539	5	4960
1	3131	5	4961

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SLFCHG02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	4.303708
Std Dev	$\sigma$	0.614498

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.312365	Pr > D <0.010
Cramer-von Mises	W-Sq	103.839836	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	576.441700	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.87417
5.0	3.00000	3.29295
10.0	4.00000	3.51620
25.0	4.00000	3.88924

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	4.30371
75.0	5.00000	4.71818
90.0	5.00000	5.09122
95.0	5.00000	5.31447
99.0	5.00000	5.73324

**Histograms for All Numeric Variables**

Variable: SLFCHG03

Moments			
N	4962	Sum Weights	4962
<b>Mean</b>	4.64228134	<b>Sum Observations</b>	23035
<b>Std Deviation</b>	0.53576941	<b>Variance</b>	0.28704886
<b>Skewness</b>	-1.4497248	<b>Kurtosis</b>	3.37220071
<b>Uncorrected SS</b>	108359	<b>Corrected SS</b>	1424.04938
<b>Coeff Variation</b>	11.5410801	<b>Std Error Mean</b>	0.00760588

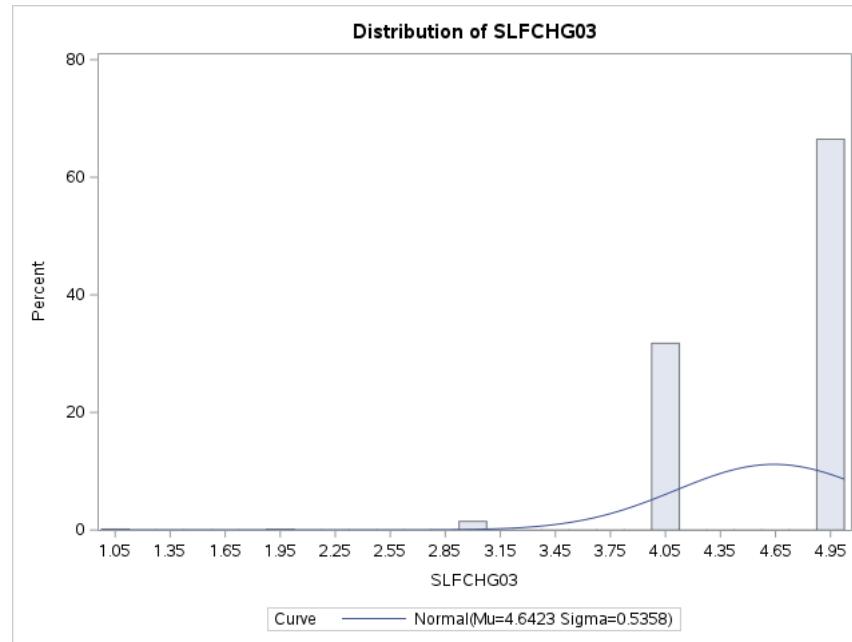
Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	4.642281	<b>Std Deviation</b>	0.53577
<b>Median</b>	5.000000	<b>Variance</b>	0.28705
<b>Mode</b>	5.000000	<b>Range</b>	4.00000
		<b>Interquartile Range</b>	1.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	610.3542	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4958
1	4609	5	4959
1	4567	5	4960
1	4539	5	4961
1	4029	5	4962

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SLFCHG03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.642281
Std Dev	Sigma	0.535769

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.412480	Pr > D <0.010
Cramer-von Mises	W-Sq	161.766298	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	868.893819	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.39590
5.0	4.00000	3.76102
10.0	4.00000	3.95567
25.0	4.00000	4.28091
50.0	5.00000	4.64228
75.0	5.00000	5.00365
90.0	5.00000	5.32890
95.0	5.00000	5.52354
99.0	5.00000	5.88667

**Histograms for All Numeric Variables**

Variable: SLFCHG04

Moments			
N	4962	Sum Weights	4962
Mean	4.35792019	Sum Observations	21624
Std Deviation	0.61989032	Variance	0.38426401
Skewness	-0.650556	Kurtosis	0.8299009
Uncorrected SS	96142	Corrected SS	1906.33374
Coeff Variation	14.2244532	Std Error Mean	0.00880008

Basic Statistical Measures			
Location		Variability	
Mean	4.357920	Std Deviation	0.61989
Median	4.000000	Variance	0.38426
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	495.2139	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

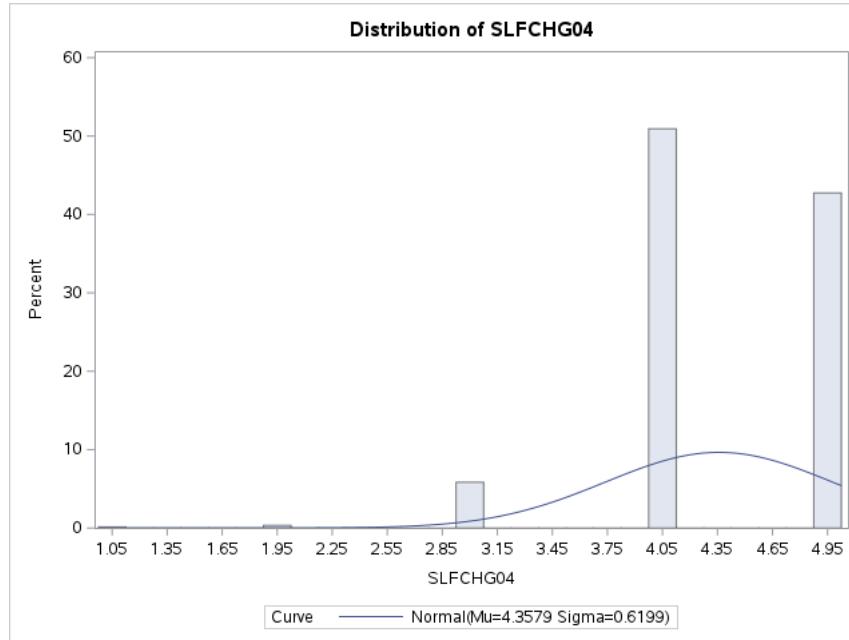
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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%	4
5%	3
1%	3
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4951
1	4609	5	4955
1	4567	5	4958
1	4539	5	4960
1	3131	5	4961

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SLFCHG04

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.35792
Std Dev	Sigma	0.61989

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.290714	Pr > D <0.010
Cramer-von Mises	W-Sq	98.969335	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	568.993630	Pr > A-Sq <0.005

Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.91584
5.0	3.00000	3.33829
10.0	4.00000	3.56350
25.0	4.00000	3.93981

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	4.35792
75.0	5.00000	4.77603
90.0	5.00000	5.15234
95.0	5.00000	5.37755
99.0	5.00000	5.80000

**Histograms for All Numeric Variables**

Variable: SLFCHG09

Moments			
N	4962	Sum Weights	4962
Mean	4.22893994	Sum Observations	20984
Std Deviation	0.69465727	Variance	0.48254872
Skewness	-0.6916595	Kurtosis	0.84672916
Uncorrected SS	91134	Corrected SS	2393.92422
Coeff Variation	16.4262742	Std Error Mean	0.00986148

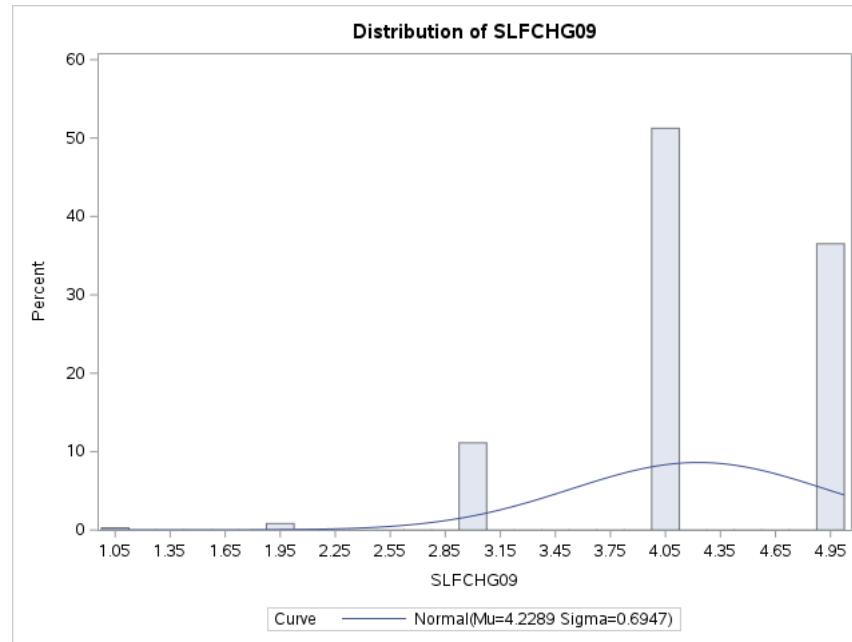
Basic Statistical Measures			
Location		Variability	
Mean	4.228940	Std Deviation	0.69466
Median	4.000000	Variance	0.48255
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t 428.8341	Pr >  t	<.0001
Sign	M 2481	Pr >=  M	<.0001
Signed Rank	S 6156602	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	4856	5	4948
1	4718	5	4956
1	4609	5	4958
1	4567	5	4959
1	4539	5	4960

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SLFCHG09

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	4.22894
Std Dev	$\sigma$	0.694657

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.263963	$Pr > D$ <0.010
Cramer-von Mises	W-Sq	81.325945	$Pr > W\text{-Sq}$ <0.005
Anderson-Darling	A-Sq	454.539651	$Pr > A\text{-Sq}$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.61293
5.0	3.00000	3.08633
10.0	3.00000	3.33870
25.0	4.00000	3.76040
50.0	4.00000	4.22894
75.0	5.00000	4.69748
90.0	5.00000	5.11918
95.0	5.00000	5.37155
99.0	5.00000	5.84495

**Histograms for All Numeric Variables**

Variable: CSSRAT01

Moments			
N	4962	Sum Weights	4962
Mean	3.97440548	Sum Observations	19721
Std Deviation	0.69376082	Variance	0.48130407
Skewness	-0.1579705	Kurtosis	-0.2498454
Uncorrected SS	80767	Corrected SS	2387.7495
Coeff Variation	17.4557131	Std Error Mean	0.00984876

Basic Statistical Measures			
Location		Variability	
Mean	3.974405	Std Deviation	0.69376
Median	4.000000	Variance	0.48130
Mode	4.000000	Range	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	403.5439	$Pr >  t $ <.0001
Sign	M	2481	$Pr \geq  M $ <.0001

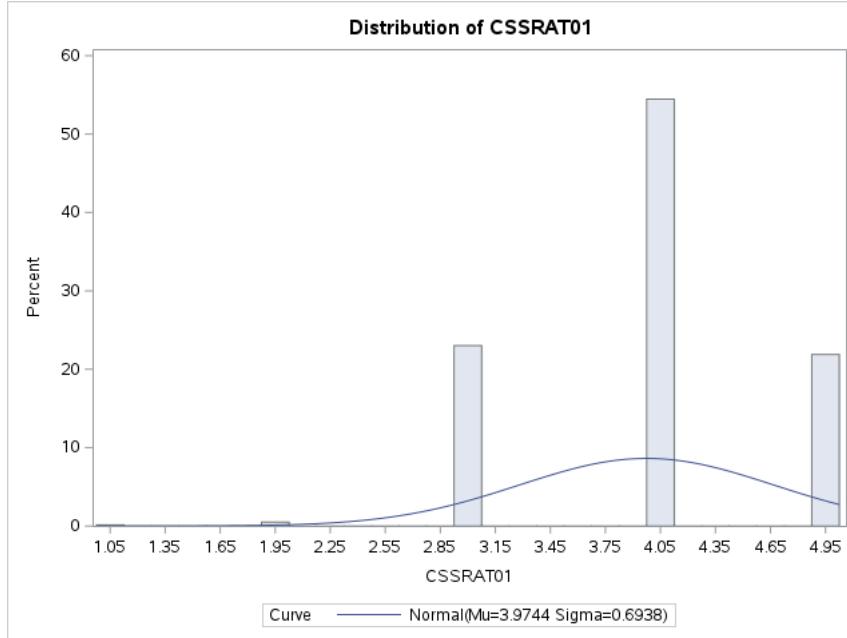
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	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	4718	5	4946
1	4539	5	4949
1	3131	5	4951
1	1962	5	4955
1	1765	5	4958

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for CSSRAT01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.974405
Std Dev	Sigma	0.693761

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.278116	Pr > D <0.010
Cramer-von Mises	W-Sq	79.914317	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	425.840051	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.36048
5.0	3.00000	2.83327
10.0	3.00000	3.08532
25.0	4.00000	3.50647

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	3.97441
75.0	4.00000	4.44234
90.0	5.00000	4.86350
95.0	5.00000	5.11554
99.0	5.00000	5.58833

**Histograms for All Numeric Variables**

Variable: CSSRAT07

Moments			
N	4962	Sum Weights	4962
Mean	4.0719468	Sum Observations	20205
Std Deviation	0.79877388	Variance	0.63803971
Skewness	-0.5571249	Kurtosis	-0.0066184
Uncorrected SS	85439	Corrected SS	3165.31499
Coeff Variation	19.6165107	Std Error Mean	0.01133954

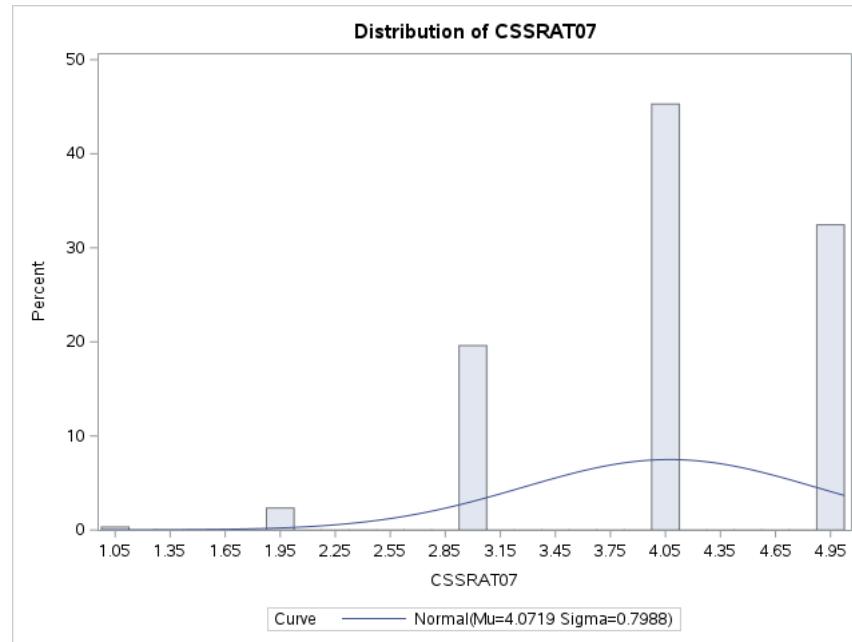
Basic Statistical Measures			
Location		Variability	
Mean	4.071947	Std Deviation	0.79877
Median	4.000000	Variance	0.63804
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	359.0927	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	4789	5	4951
1	4718	5	4953
1	4539	5	4954
1	4081	5	4958
1	3530	5	4960

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables****Fitted Normal Distribution for CSSRAT07**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.071947
Std Dev	Sigma	0.798774

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.241423	Pr > D <0.010
Cramer-von Mises	W-Sq	59.868439	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	345.902935	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.21372
5.0	3.00000	2.75808
10.0	3.00000	3.04828
25.0	4.00000	3.53318
50.0	4.00000	4.07195
75.0	5.00000	4.61071
90.0	5.00000	5.09562
95.0	5.00000	5.38581
99.0	5.00000	5.93017

**Histograms for All Numeric Variables**

Variable: SUCCESS4

Moments			
N	4962	Sum Weights	4962
Mean	2.63563079	Sum Observations	13078
Std Deviation	0.51332192	Variance	0.26349939
Skewness	-0.9139386	Kurtosis	-0.4098018
Uncorrected SS	35776	Corrected SS	1307.22048
Coeff Variation	19.4762452	Std Error Mean	0.00728721

Basic Statistical Measures			
Location		Variability	
Mean	2.635631	Std Deviation	0.51332
Median	3.000000	Variance	0.26350
Mode	3.000000	Range	2.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	361.6789	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

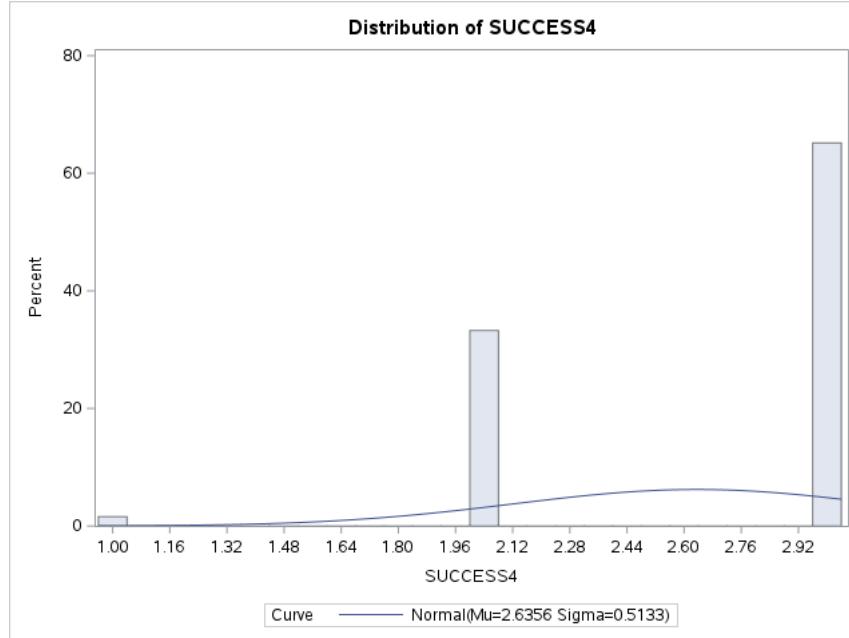
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4856	3	4958
1	4787	3	4959
1	4718	3	4960
1	4606	3	4961
1	4539	3	4962

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SUCCESS4

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.635631
Std Dev	Sigma	0.513322

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.412646	Pr > D <0.010
Cramer-von Mises	W-Sq	163.107469	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	900.153385	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.44147
5.0	2.00000	1.79129
10.0	2.00000	1.97778
25.0	2.00000	2.28940

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	3.00000	2.63563
75.0	3.00000	2.98186
90.0	3.00000	3.29348
95.0	3.00000	3.47997
99.0	3.00000	3.82980

**Histograms for All Numeric Variables**

Variable: SUCCESS7

Moments			
N	4962	Sum Weights	4962
Mean	2.70495768	Sum Observations	13422
Std Deviation	0.51191371	Variance	0.26205564
Skewness	-1.4879271	Kurtosis	1.27470995
Uncorrected SS	37606	Corrected SS	1300.05804
Coeff Variation	18.9250172	Std Error Mean	0.00726722

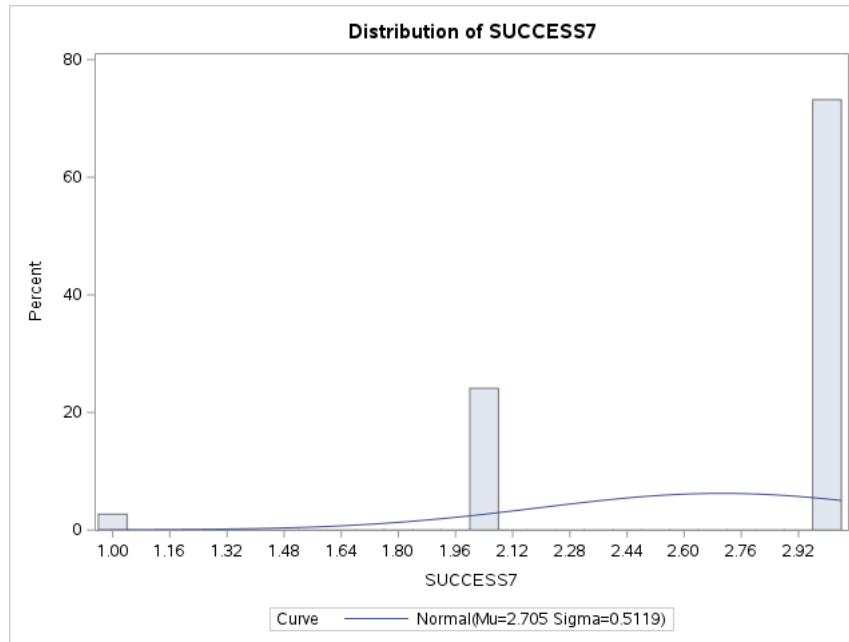
Basic Statistical Measures			
Location		Variability	
Mean	2.704958	Std Deviation	0.51191
Median	3.000000	Variance	0.26206
Mode	3.000000	Range	2.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	372.2135	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4949	3	4956
1	4935	3	4958
1	4934	3	4959
1	4898	3	4961
1	4879	3	4962

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SUCCESS7

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	2.704958
Std Dev	$\sigma$	0.511914

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.44977	$P > D$ <0.010
Cramer-von Mises	W-Sq	198.27135	$P > W\text{-}Sq$ <0.005
Anderson-Darling	A-Sq	1009.03033	$P > A\text{-}Sq$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.51407
5.0	2.00000	1.86293
10.0	2.00000	2.04891
25.0	2.00000	2.35968
50.0	3.00000	2.70496
75.0	3.00000	3.05024
90.0	3.00000	3.36100
95.0	3.00000	3.54698
99.0	3.00000	3.89585

**Histograms for All Numeric Variables**

Variable: SATIS13

Moments			
N	4962	Sum Weights	4962
Mean	3.7458686	Sum Observations	18587
Std Deviation	0.98123292	Variance	0.96281804
Skewness	-0.4734152	Kurtosis	-0.5489803
Uncorrected SS	74401	Corrected SS	4776.54031
Coeff Variation	26.1950705	Std Error Mean	0.01392976

Basic Statistical Measures			
Location		Variability	
Mean	3.745869	Std Deviation	0.98123
Median	4.000000	Variance	0.96282
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	268.9111	$P >  t $ <.0001
Sign	M	2481	$P >=  M $ <.0001

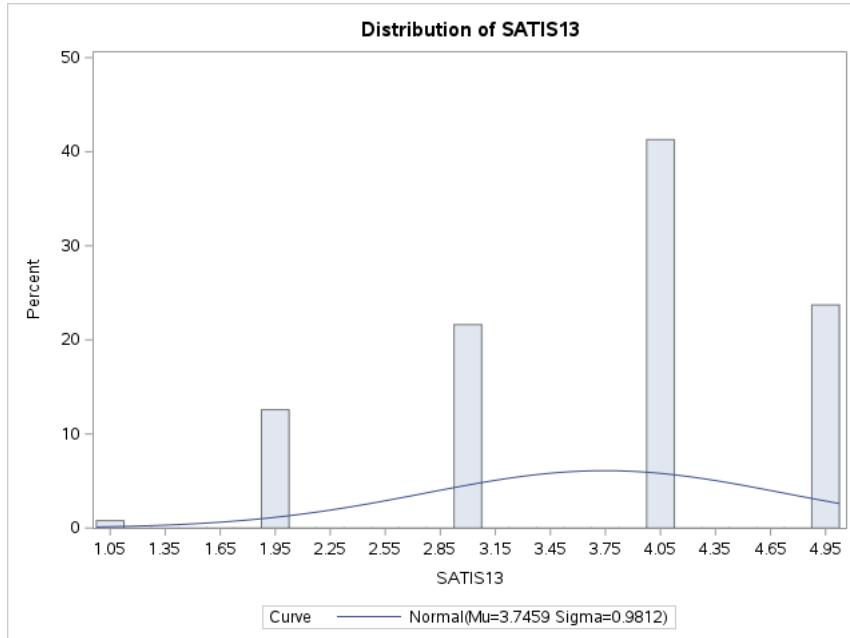
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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	3
10%	2
5%	2
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4946	5	4945
1	4912	5	4953
1	4718	5	4954
1	4644	5	4960
1	4624	5	4961

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SATIS13

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.745869
Std Dev	Sigma	0.981233

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.252320	Pr > D <0.010
Cramer-von Mises	W-Sq	45.366151	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	256.400577	Pr > A-Sq <0.005

Percent	Quantile	
	Observed	Estimated
1.0	2.00000	1.46318
5.0	2.00000	2.13188
10.0	2.00000	2.48837
25.0	3.00000	3.08404

Percent	Quantile	
	Observed	Estimated
50.0	4.00000	3.74587
75.0	4.00000	4.40770
90.0	5.00000	5.00337
95.0	5.00000	5.35985
99.0	5.00000	6.02856

**Histograms for All Numeric Variables**

Variable: SATIS01

Moments			
N	4962	Sum Weights	4962
Mean	3.87424426	Sum Observations	19224
Std Deviation	0.79652648	Variance	0.63445443
Skewness	-0.8462113	Kurtosis	1.06494392
Uncorrected SS	77626	Corrected SS	3147.52842
Coeff Variation	20.5595317	Std Error Mean	0.01130764

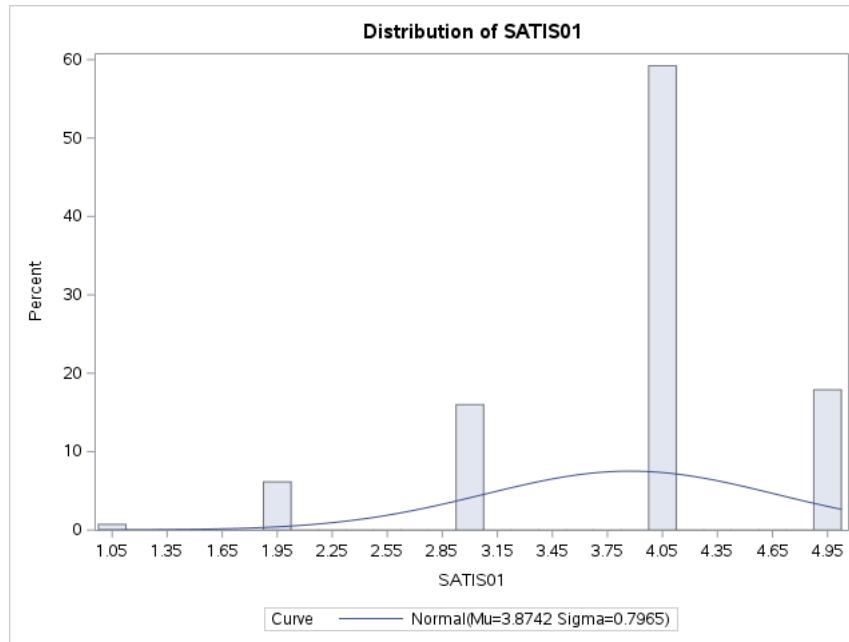
Basic Statistical Measures			
Location		Variability	
Mean	3.874244	Std Deviation	0.79653
Median	4.000000	Variance	0.63445
Mode	4.000000	Range	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	342.6219	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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%	2
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4949
1	4649	5	4954
1	4564	5	4956
1	4478	5	4960
1	4470	5	4961

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SATIS01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.874244
Std Dev	Sigma	0.796526

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.333986	Pr > D <0.010
Cramer-von Mises	W-Sq	94.767193	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	443.506486	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.02125
5.0	2.00000	2.56407
10.0	3.00000	2.85345
25.0	4.00000	3.33700
50.0	4.00000	3.87424
75.0	4.00000	4.41149
90.0	5.00000	4.89503
95.0	5.00000	5.18441
99.0	5.00000	5.72724

**Histograms for All Numeric Variables**

Variable: SATIS02

Moments			
N	4962	Sum Weights	4962
Mean	3.56348247	Sum Observations	17682
Std Deviation	0.97131848	Variance	0.94345959
Skewness	-0.6266817	Kurtosis	0.20733329
Uncorrected SS	67690	Corrected SS	4680.50302
Coeff Variation	27.257563	Std Error Mean	0.01378902

Basic Statistical Measures			
Location		Variability	
Mean	3.563482	Std Deviation	0.97132
Median	4.000000	Variance	0.94346
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	258.4291	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

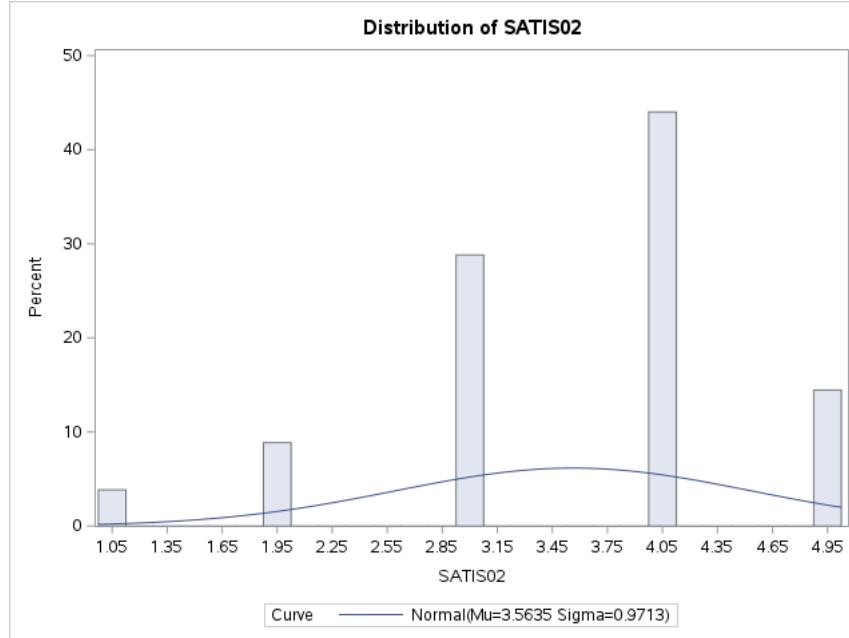
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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	3
10%	2
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4954	5	4932
1	4912	5	4938
1	4875	5	4945
1	4867	5	4949
1	4842	5	4960

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SATIS02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.563482
Std Dev	Sigma	0.971318

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.258074	Pr > D <0.010
Cramer-von Mises	W-Sq	50.423425	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	261.503305	Pr > A-Sq <0.005

Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.30386
5.0	2.00000	1.96581
10.0	2.00000	2.31869
25.0	3.00000	2.90834

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	3.56348
75.0	4.00000	4.21863
90.0	5.00000	4.80828
95.0	5.00000	5.16116
99.0	5.00000	5.82311

**Histograms for All Numeric Variables**

Variable: SATIS07

Moments			
N	4962	Sum Weights	4962
Mean	4.08424023	Sum Observations	20266
Std Deviation	0.73317829	Variance	0.53755041
Skewness	-0.6758544	Kurtosis	0.76777578
Uncorrected SS	85438	Corrected SS	2666.78759
Coeff Variation	17.9513998	Std Error Mean	0.01040833

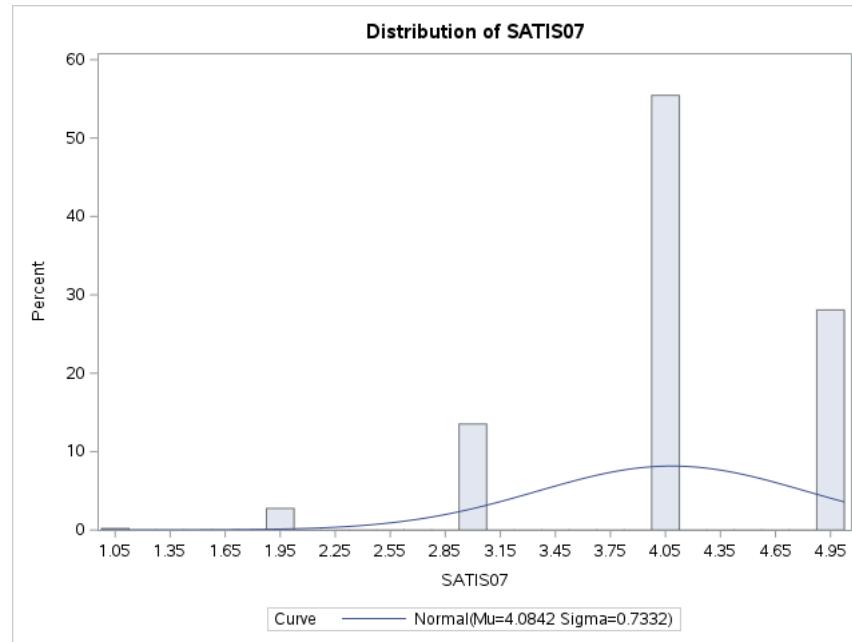
Basic Statistical Measures			
Location		Variability	
Mean	4.084240	Std Deviation	0.73318
Median	4.000000	Variance	0.53755
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	392.401	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001
Signed Rank	S	6156602	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	4718	5	4945
1	4419	5	4949
1	4303	5	4953
1	4148	5	4956
1	3131	5	4961

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SATIS07

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.08424
Std Dev	Sigma	0.733178

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.289410	Pr > D <0.010
Cramer-von Mises	W-Sq	83.255083	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	424.974524	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.37861
5.0	3.00000	2.87827
10.0	3.00000	3.14463
25.0	4.00000	3.58972
50.0	4.00000	4.08424
75.0	5.00000	4.57876
90.0	5.00000	5.02385
95.0	5.00000	5.29021
99.0	5.00000	5.78987

**Histograms for All Numeric Variables**

Variable: SATIS15

Moments			
N	4962	Sum Weights	4962
Mean	3.6311971	Sum Observations	18018
Std Deviation	0.99130372	Variance	0.98268307
Skewness	-0.4453242	Kurtosis	-0.5118615
Uncorrected SS	70302	Corrected SS	4875.09069
Coeff Variation	27.2996396	Std Error Mean	0.01407273

Basic Statistical Measures			
Location		Variability	
Mean	3.631197	Std Deviation	0.99130
Median	4.000000	Variance	0.98268
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	258.0308	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

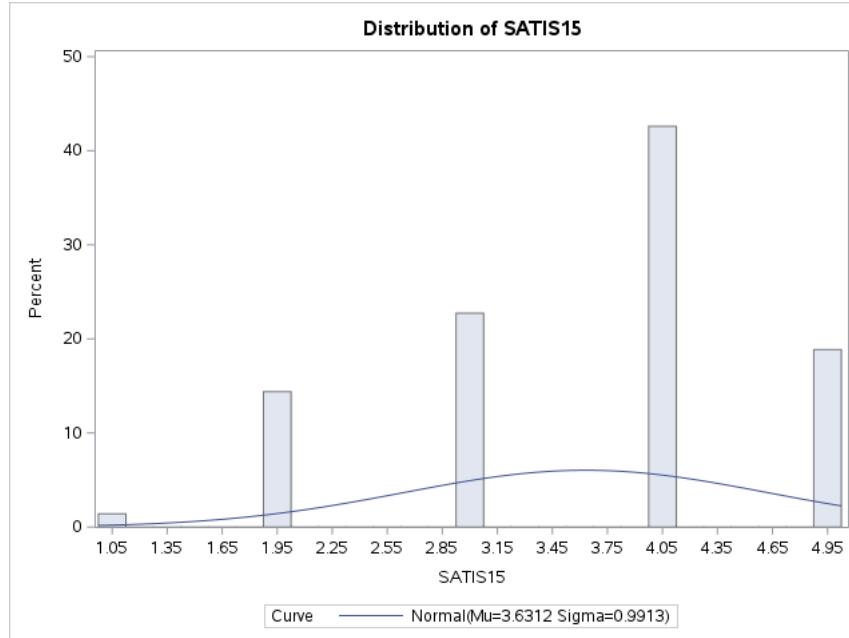
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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	3
10%	2
5%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4912	5	4932
1	4889	5	4949
1	4859	5	4956
1	4825	5	4958
1	4815	5	4960

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SATIS15

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.631197
Std Dev	Sigma	0.991304

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.259739	Pr > D <0.010
Cramer-von Mises	W-Sq	46.596955	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	253.507217	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.32508
5.0	2.00000	2.00065
10.0	2.00000	2.36079
25.0	3.00000	2.96257

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	3.63120
75.0	4.00000	4.29982
90.0	5.00000	4.90160
95.0	5.00000	5.26175
99.0	5.00000	5.93731

**Histograms for All Numeric Variables**

Variable: SATIS25

Moments			
N	4962	Sum Weights	4962
Mean	3.91596131	Sum Observations	19431
Std Deviation	1.00632507	Variance	1.01269016
Skewness	-1.1040308	Kurtosis	1.12965329
Uncorrected SS	81115	Corrected SS	5023.95586
Coeff Variation	25.6980342	Std Error Mean	0.01428598

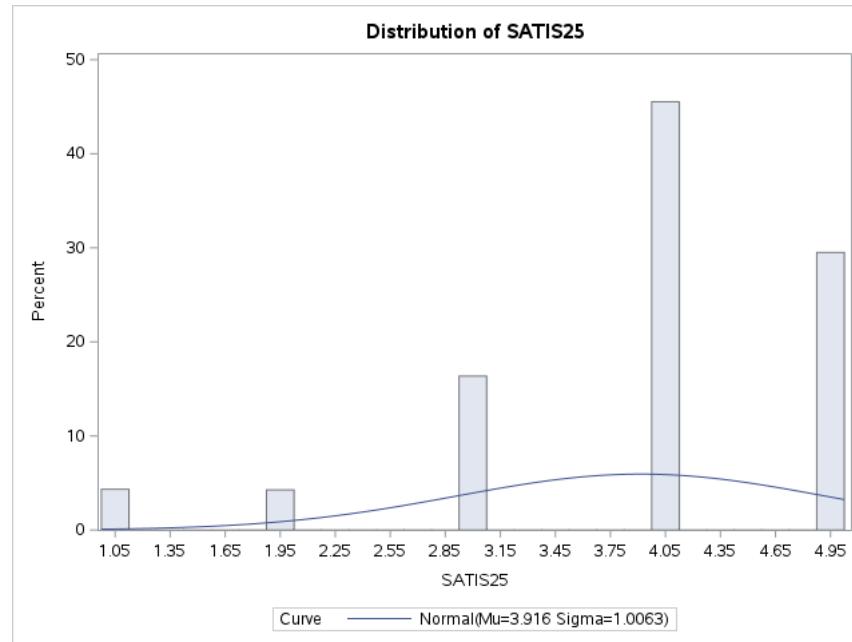
Basic Statistical Measures			
Location		Variability	
Mean	3.915961	Std Deviation	1.00633
Median	4.000000	Variance	1.01269
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	274.1123	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001
Signed Rank	S	6156602	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%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4936	5	4954
1	4935	5	4955
1	4927	5	4958
1	4925	5	4960
1	4918	5	4961

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SATIS25

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.915961
Std Dev	Sigma	1.006325

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.283579	Pr > D <0.010
Cramer-von Mises	W-Sq	59.164856	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	323.128926	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.57490
5.0	2.00000	2.26070
10.0	3.00000	2.62630
25.0	4.00000	3.23721
50.0	4.00000	3.91596
75.0	5.00000	4.59472
90.0	5.00000	5.20562
95.0	5.00000	5.57122
99.0	5.00000	6.25702

**Histograms for All Numeric Variables**

Variable: SATIS28

Moments			
N	4962	Sum Weights	4962
Mean	4.16525595	Sum Observations	20668
Std Deviation	0.75213733	Variance	0.56571057
Skewness	-0.8188383	Kurtosis	0.89322384
Uncorrected SS	88994	Corrected SS	2806.49012
Coeff Variation	18.0574097	Std Error Mean	0.01067748

Basic Statistical Measures			
Location		Variability	
Mean	4.165256	Std Deviation	0.75214
Median	4.000000	Variance	0.56571
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	390.0973	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

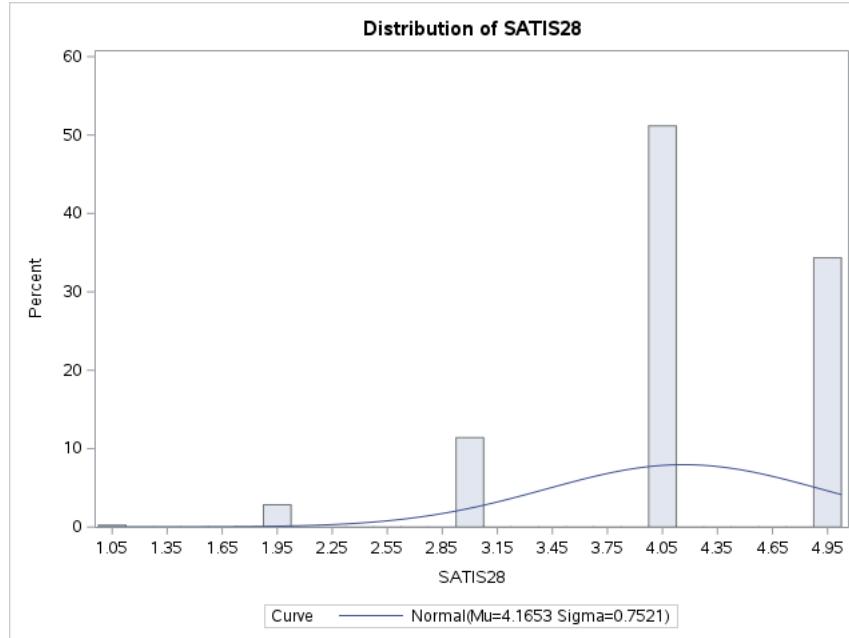
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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	4718	5	4953
1	4624	5	4954
1	4148	5	4958
1	4120	5	4960
1	4057	5	4961

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SATIS28

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	4.165256
Std Dev	$\sigma$	0.752137

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.268145	Pr > D <0.010
Cramer-von Mises	W-Sq	76.083051	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	414.848390	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.41552
5.0	3.00000	2.92810
10.0	3.00000	3.20135
25.0	4.00000	3.65795

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	4.16526
75.0	5.00000	4.67256
90.0	5.00000	5.12916
95.0	5.00000	5.40241
99.0	5.00000	5.91499

**Histograms for All Numeric Variables**

Variable: CSSRAT16

Moments			
N	4962	Sum Weights	4962
Mean	3.69447803	Sum Observations	18332
Std Deviation	0.86440376	Variance	0.74719385
Skewness	-0.2712969	Kurtosis	-0.2672611
Uncorrected SS	71434	Corrected SS	3706.8287
Coeff Variation	23.3971822	Std Error Mean	0.01227123

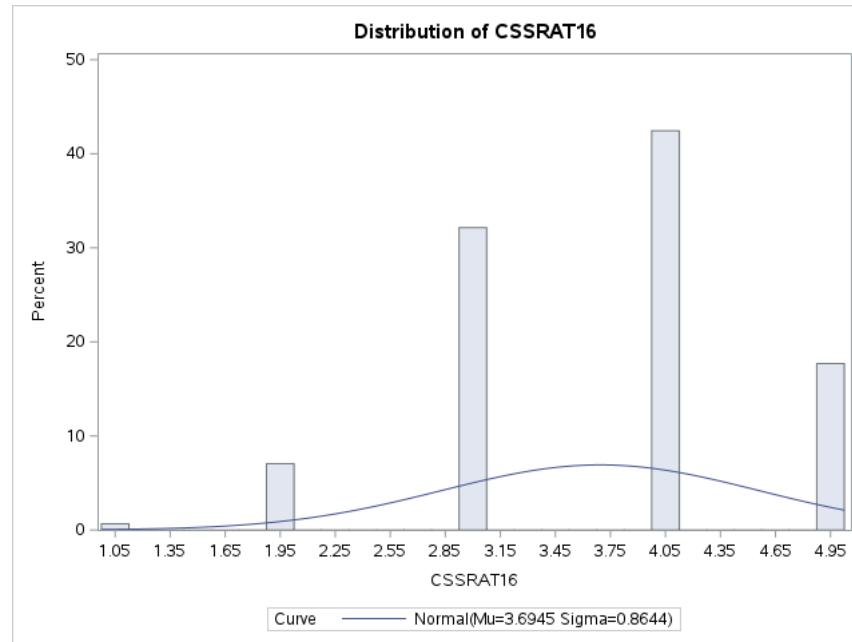
Basic Statistical Measures			
Location		Variability	
Mean	3.694478	Std Deviation	0.86440
Median	4.000000	Variance	0.74719
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	301.0682	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	3
10%	3
5%	2
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4951
1	4625	5	4955
1	4539	5	4956
1	4516	5	4959
1	4357	5	4960

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables****Fitted Normal Distribution for CSSRAT16**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.694478
Std Dev	Sigma	0.864404

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.239494	Pr > D <0.010
Cramer-von Mises	W-Sq	51.082279	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	275.642699	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	1.68357
5.0	2.00000	2.27266
10.0	3.00000	2.58670
25.0	3.00000	3.11145
50.0	4.00000	3.69448
75.0	4.00000	4.27751
90.0	5.00000	4.80226
95.0	5.00000	5.11630
99.0	5.00000	5.70538

**Histograms for All Numeric Variables**

Variable: GENACT05

Moments			
N	4962	Sum Weights	4962
Mean	2.29725917	Sum Observations	11399
Std Deviation	0.59095902	Variance	0.34923256
Skewness	-0.1957871	Kurtosis	-0.5992209
Uncorrected SS	27919	Corrected SS	1732.54272
Coeff Variation	25.7245253	Std Error Mean	0.00838936

Basic Statistical Measures			
Location		Variability	
Mean	2.297259	Std Deviation	0.59096
Median	2.000000	Variance	0.34923
Mode	2.000000	Range	2.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	273.83	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

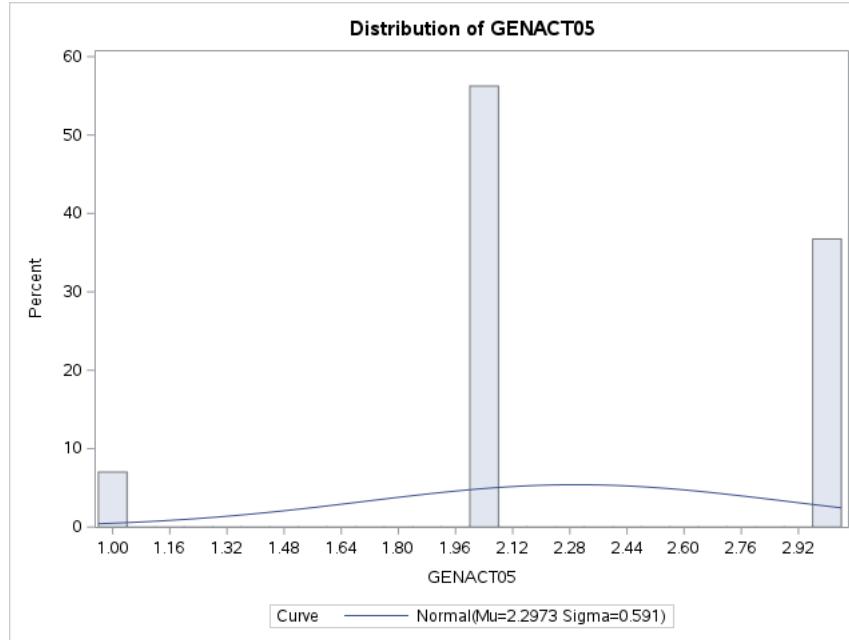
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4954	3	4952
1	4933	3	4956
1	4920	3	4958
1	4882	3	4959
1	4852	3	4960

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for GENACT05

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.297259
Std Dev	Sigma	0.590959

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.325130	Pr > D <0.010
Cramer-von Mises	W-Sq	107.825739	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	601.879856	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.92248
5.0	1.00000	1.32522
10.0	2.00000	1.53991
25.0	2.00000	1.89866

Percent	Quantile	
	Observed	Estimated
50.0	2.00000	2.29726
75.0	3.00000	2.69585
90.0	3.00000	3.05460
95.0	3.00000	3.26930
99.0	3.00000	3.67204

**Histograms for All Numeric Variables**

Variable: COLACT19

Moments			
N	4962	Sum Weights	4962
Mean	1.01894397	Sum Observations	5056
Std Deviation	0.13634092	Variance	0.01858885
Skewness	7.05950939	Kurtosis	47.8559616
Uncorrected SS	5244	Corrected SS	92.2192664
Coeff Variation	13.38061	Std Error Mean	0.00193552

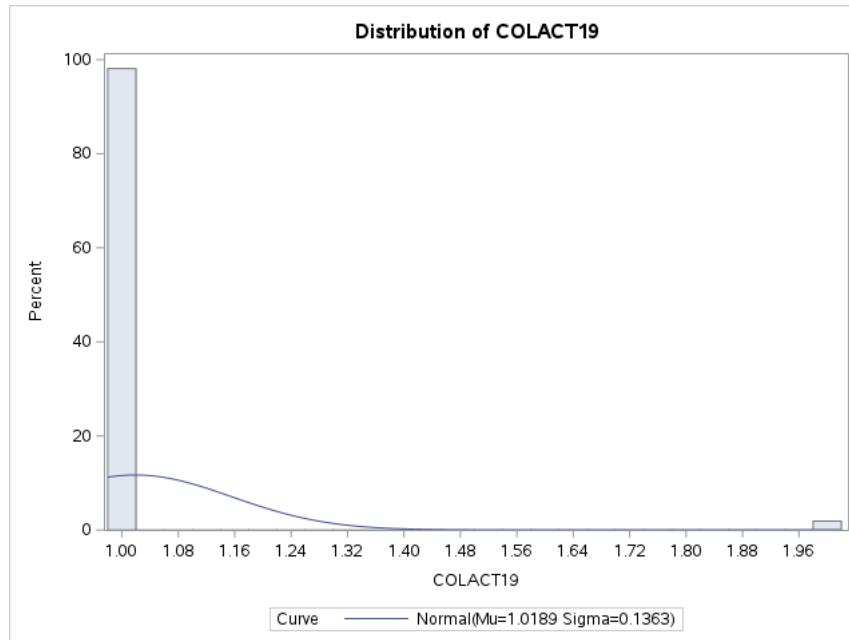
Basic Statistical Measures			
Location		Variability	
Mean	1.018944	Std Deviation	0.13634
Median	1.000000	Variance	0.01859
Mode	1.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	526.4443	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	2
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	4962	2	4865
1	4961	2	4907
1	4960	2	4908
1	4959	2	4911
1	4958	2	4937

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for COLACT19

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	1.018944
Std Dev	$\sigma$	0.136341

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.53631	$P > D$ <0.010
Cramer-von Mises	W-Sq	400.65666	$P > W\text{-}Sq$ <0.005
Anderson-Darling	A-Sq	1877.11233	$P > A\text{-}Sq$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.70177
5.0	1.00000	0.79468
10.0	1.00000	0.84422
25.0	1.00000	0.92698
50.0	1.00000	1.01894
75.0	1.00000	1.11090
90.0	1.00000	1.19367
95.0	1.00000	1.24320
99.0	2.00000	1.33612

**Histograms for All Numeric Variables**

Variable: COLACT17

Moments			
N	4962	Sum Weights	4962
Mean	1.48186215	Sum Observations	7353
Std Deviation	0.49972127	Variance	0.24972135
Skewness	0.07262113	Kurtosis	-1.9955307
Uncorrected SS	12135	Corrected SS	1238.86759
Coeff Variation	33.7225205	Std Error Mean	0.00709414

Basic Statistical Measures			
Location		Variability	
Mean	1.481862	Std Deviation	0.49972
Median	1.000000	Variance	0.24972
Mode	1.000000	Range	1.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	208.8855	$P >  t $ <.0001
Sign	M	2481	$P >=  M $ <.0001

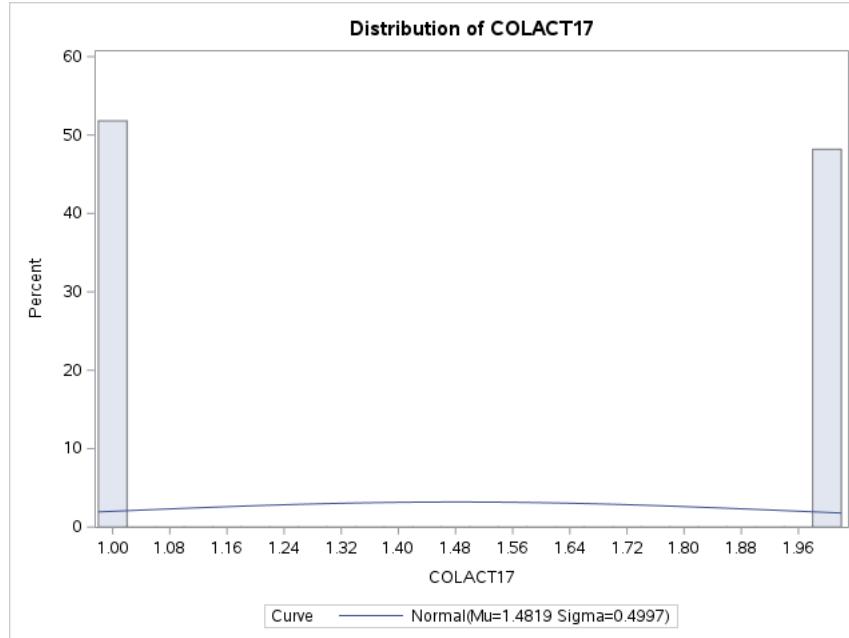
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4962	2	4947
1	4961	2	4949
1	4958	2	4955
1	4957	2	4959
1	4956	2	4960

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for COLACT17

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.481862
Std Dev	Sigma	0.499721

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.350681	Pr > D <0.010
Cramer-von Mises	W-Sq	145.173208	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	892.783705	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.31934
5.0	1.00000	0.65989
10.0	1.00000	0.84144
25.0	1.00000	1.14481

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	1.00000	1.48186
75.0	2.00000	1.81892
90.0	2.00000	2.12228
95.0	2.00000	2.30383
99.0	2.00000	2.64439

**Histograms for All Numeric Variables**

Variable: FATHEDUC

Moments			
N	4962	Sum Weights	4962
Mean	5.5719468	Sum Observations	27648
Std Deviation	1.9952986	Variance	3.98121649
Skewness	-0.405292	Kurtosis	-0.8059739
Uncorrected SS	173804	Corrected SS	19750.815
Coeff Variation	35.8097209	Std Error Mean	0.02832563

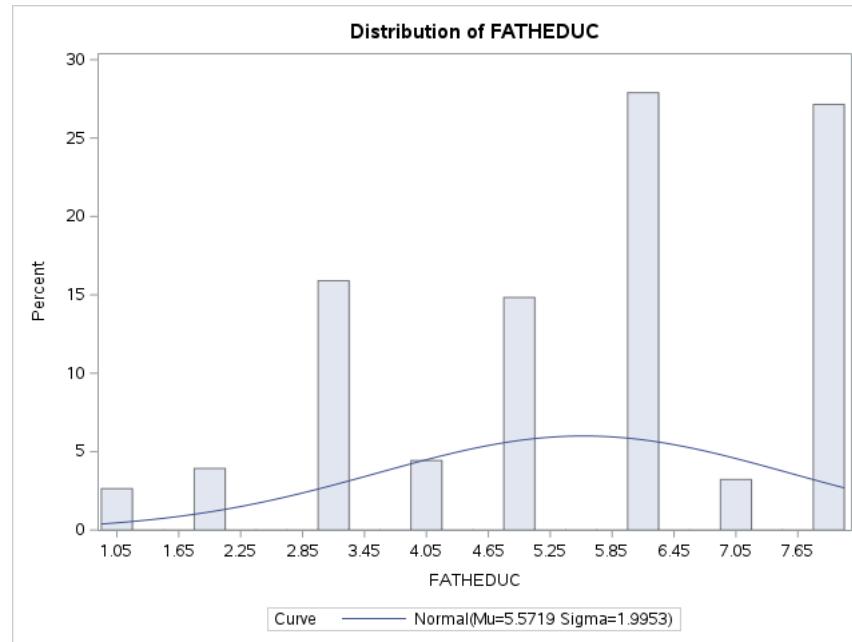
Basic Statistical Measures			
Location		Variability	
Mean	5.571947	Std Deviation	1.99530
Median	6.000000	Variance	3.98122
Mode	6.000000	Range	7.00000
		Interquartile Range	4.00000

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	196.7105	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	4959	8	4944
1	4952	8	4953
1	4889	8	4955
1	4874	8	4956
1	4842	8	4958

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables****Fitted Normal Distribution for FATHEDUC**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.571947
Std Dev	Sigma	1.995299

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.167561	Pr > D <0.010
Cramer-von Mises	W-Sq	25.975575	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	176.983449	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.93019
5.0	2.00000	2.28997
10.0	3.00000	3.01487
25.0	4.00000	4.22614
50.0	6.00000	5.57195
75.0	8.00000	6.91776
90.0	8.00000	8.12902
95.0	8.00000	8.85392
99.0	8.00000	10.21371

**Histograms for All Numeric Variables****Variable: MOTHEDUC**

Moments			
N	4962	Sum Weights	4962
Mean	5.3333333	Sum Observations	26464
Std Deviation	1.84452461	Variance	3.40227105
Skewness	-0.3036648	Kurtosis	-0.6404932
Uncorrected SS	158020	Corrected SS	16878.6667
Coeff Variation	34.5848365	Std Error Mean	0.02618521

Basic Statistical Measures			
Location		Variability	
Mean	5.333333	Std Deviation	1.84452
Median	6.000000	Variance	3.40227
Mode	6.000000	Range	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	203.6773	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

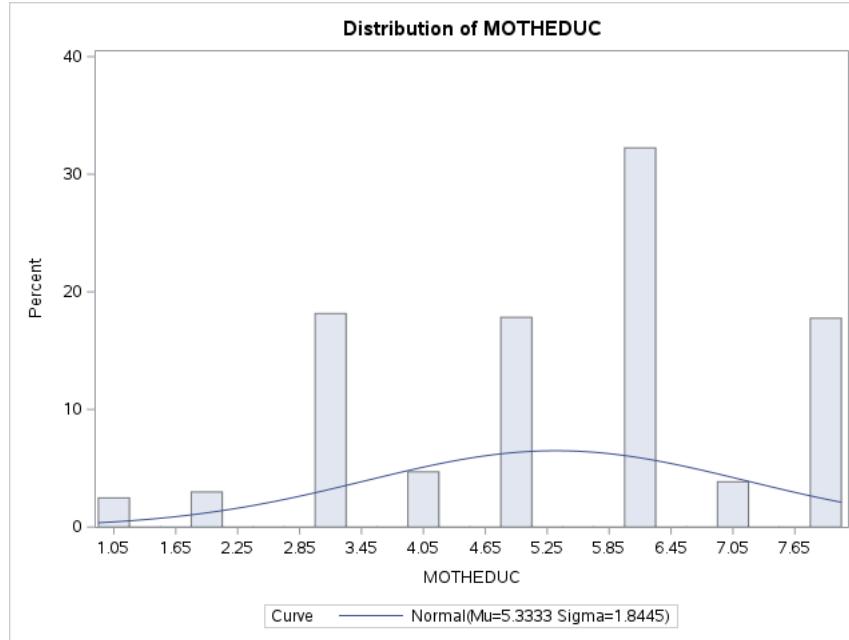
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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	4952	8	4942
1	4949	8	4954
1	4874	8	4957
1	4857	8	4958
1	4814	8	4960

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for MOTHEDUC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.333333
Std Dev	Sigma	1.844525

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.179604	Pr > D <0.010
Cramer-von Mises	W-Sq	26.392332	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	158.067702	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.04233
5.0	2.00000	2.29936
10.0	3.00000	2.96948
25.0	4.00000	4.08922

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	6.00000	5.33333
75.0	6.00000	6.57745
90.0	8.00000	7.69719
95.0	8.00000	8.36731
99.0	8.00000	9.62434

**Histograms for All Numeric Variables**

Variable: RACEGROUP

Moments			
N	4962	Sum Weights	4962
Mean	1.91132608	Sum Observations	9484
Std Deviation	1.24720881	Variance	1.55552983
Skewness	1.08913333	Kurtosis	-0.1166009
Uncorrected SS	25844	Corrected SS	7716.98347
Coeff Variation	65.2535864	Std Error Mean	0.01770561

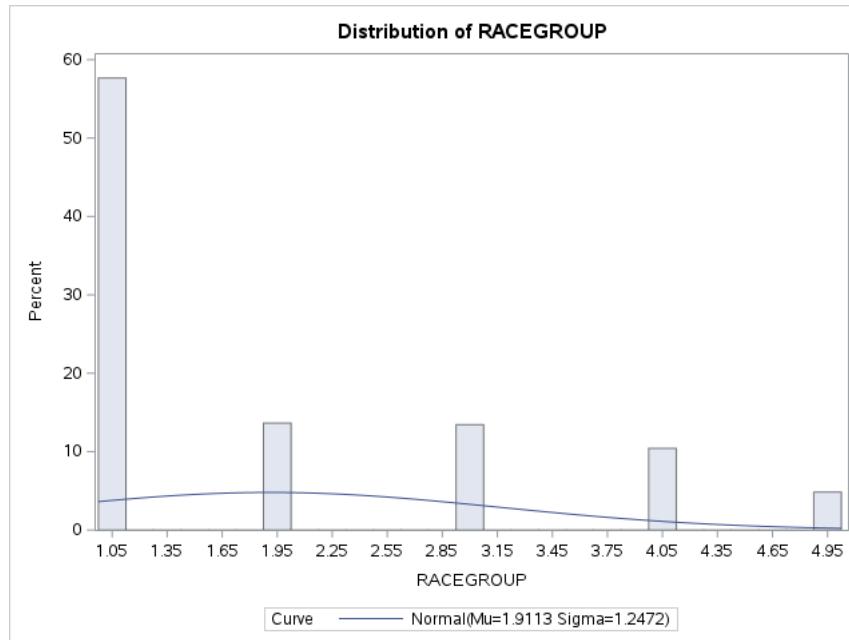
Basic Statistical Measures			
Location		Variability	
Mean	1.911326	Std Deviation	1.24721
Median	1.000000	Variance	1.55553
Mode	1.000000	Range	4.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	107.9503	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	4
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	4958	5	4833
1	4953	5	4850
1	4951	5	4854
1	4950	5	4894
1	4949	5	4931

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables****Fitted Normal Distribution for RACEGROUP**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.911326
Std Dev	Sigma	1.247209

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.344099	Pr > D <0.010
Cramer-von Mises	W-Sq	102.012638	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	570.253369	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-0.99012
5.0	1.00000	-0.14015
10.0	1.00000	0.31296
25.0	1.00000	1.07010
50.0	1.00000	1.91133
75.0	3.00000	2.75256
90.0	4.00000	3.50969
95.0	4.00000	3.96280
99.0	5.00000	4.81277

**Histograms for All Numeric Variables**

Variable: UndrRepStud\_RC

Moments			
N	4962	Sum Weights	4962
Mean	0.28617493	Sum Observations	1420
Std Deviation	0.45201772	Variance	0.20432002
Skewness	0.94647304	Kurtosis	-1.1046342
Uncorrected SS	1420	Corrected SS	1013.6316
Coeff Variation	157.951543	Std Error Mean	0.00641693

Basic Statistical Measures			
Location		Variability	
Mean	0.286175	Std Deviation	0.45202
Median	0.000000	Variance	0.20432
Mode	0.000000	Range	1.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	44.59688	Pr >  t  <.0001
Sign	M	710	Pr >=  M  <.0001

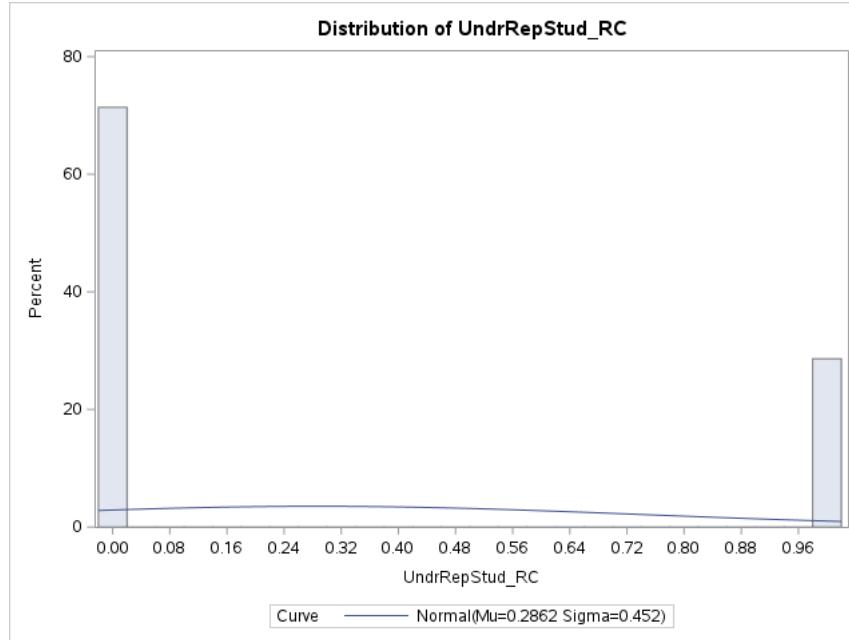
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	504455 Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	4962	1	4956
0	4958	1	4957
0	4955	1	4959
0	4954	1	4960
0	4953	1	4961

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

Fitted Normal Distribution for UndrRepStud\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	0.286175
Std Dev	$\sigma$	0.452018

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.45049	Pr > D <0.010
Cramer-von Mises	W-Sq	201.59845	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1110.27638	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.76538
5.0	0.00000	-0.45733
10.0	0.00000	-0.29311
25.0	0.00000	-0.01871

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	0.00000	0.28617
75.0	1.00000	0.59106
90.0	1.00000	0.86546
95.0	1.00000	1.02968
99.0	1.00000	1.33773

**Histograms for All Numeric Variables**

Variable: FINCON\_RC

Moments			
N	4962	Sum Weights	4962
Mean	0.80874647	Sum Observations	4013
Std Deviation	0.64243232	Variance	0.41271929
Skewness	0.19811188	Kurtosis	-0.6650523
Uncorrected SS	5293	Corrected SS	2047.5004
Coeff Variation	79.4355642	Std Error Mean	0.00912009

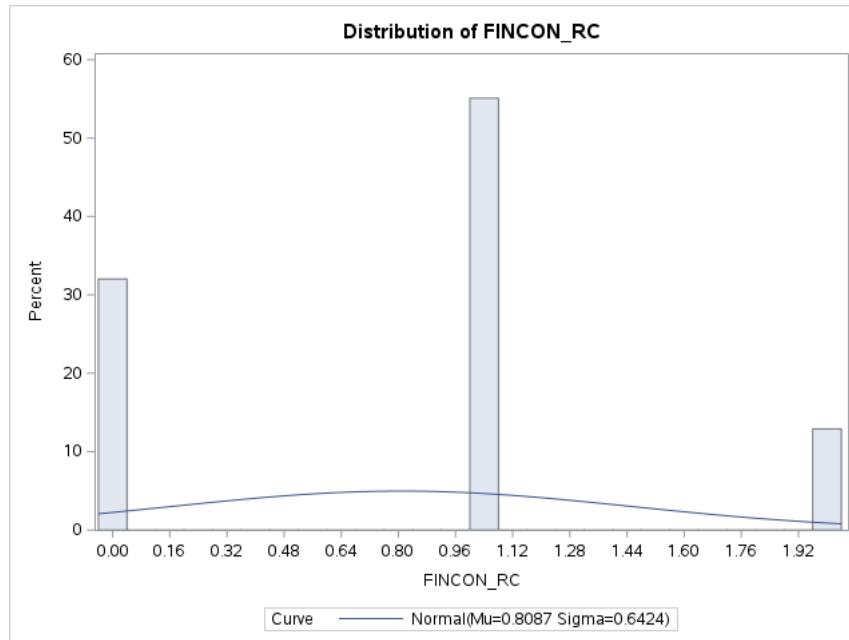
Basic Statistical Measures			
Location		Variability	
Mean	0.808746	Std Deviation	0.64243
Median	1.000000	Variance	0.41272
Mode	1.000000	Range	2.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	88.67749	Pr >  t	<.0001
Sign	M	1686.5	Pr >=  M	<.0001
Signed Rank	S	2845126	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	4944	2	4947
0	4943	2	4948
0	4942	2	4951
0	4938	2	4957
0	4936	2	4959

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for FINCON\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	0.808746
Std Dev	$\sigma$	0.642432

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.296801	$Pr > D$ <0.010
Cramer-von Mises	W-Sq	90.489801	$Pr > W\text{-Sq}$ <0.005
Anderson-Darling	A-Sq	499.458523	$Pr > A\text{-Sq}$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.68577
5.0	0.00000	-0.24796
10.0	0.00000	-0.01456
25.0	0.00000	0.37543
50.0	1.00000	0.80875
75.0	1.00000	1.24206
90.0	2.00000	1.63206
95.0	2.00000	1.86545
99.0	2.00000	2.30327

**Histograms for All Numeric Variables**

Variable: FirstGen\_RC

Moments			
N	4962	Sum Weights	4962
Mean	0.66364369	Sum Observations	3293
Std Deviation	0.47251004	Variance	0.22326574
Skewness	-0.6929363	Kurtosis	-1.5204523
Uncorrected SS	3293	Corrected SS	1107.62132
Coeff Variation	71.1993567	Std Error Mean	0.00670784

Basic Statistical Measures			
Location		Variability	
Mean	0.663644	Std Deviation	0.47251
Median	1.000000	Variance	0.22327
Mode	1.000000	Range	1.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	98.93554	$Pr >  t $ <.0001
Sign	M	1646.5	$Pr \geq  M $ <.0001

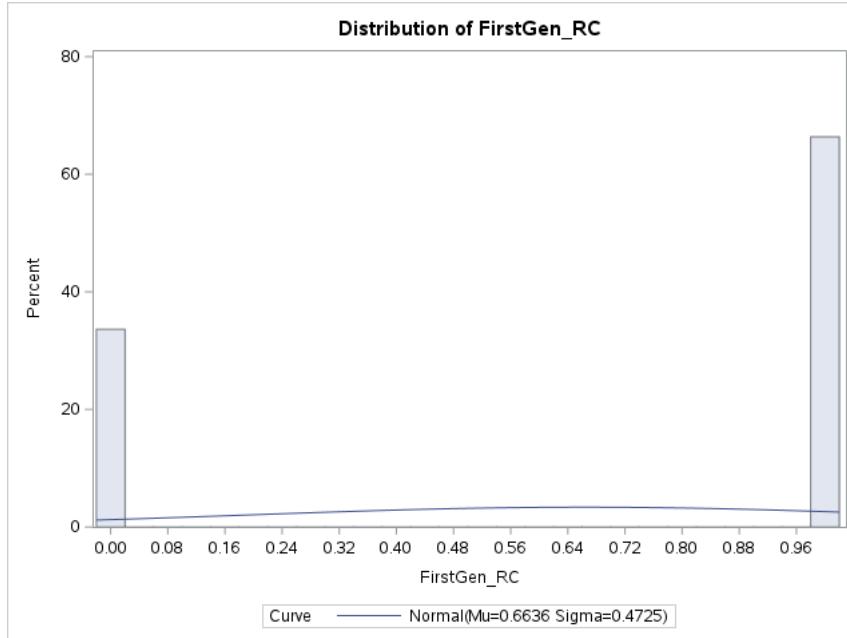
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	2711786 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	4960	1	4951
0	4958	1	4952
0	4957	1	4959
0	4956	1	4961
0	4955	1	4962

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for FirstGen\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	0.663644
Std Dev	$\sigma$	0.47251

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.42536	Pr > D <0.010
Cramer-von Mises	W-Sq	178.36183	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1019.33049	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.43558
5.0	0.00000	-0.11357
10.0	0.00000	0.05810
25.0	0.00000	0.34494

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	1.00000	0.66364
75.0	1.00000	0.98235
90.0	1.00000	1.26919
95.0	1.00000	1.44085
99.0	1.00000	1.76287

**Histograms for All Numeric Variables**

Variable: INCOME

Moments			
N	4962	Sum Weights	4962
Mean	9.31459089	Sum Observations	46219
Std Deviation	3.11442482	Variance	9.69964193
Skewness	-0.6285602	Kurtosis	-0.1509742
Uncorrected SS	478631	Corrected SS	48119.9236
Coeff Variation	33.4359807	Std Error Mean	0.04421295

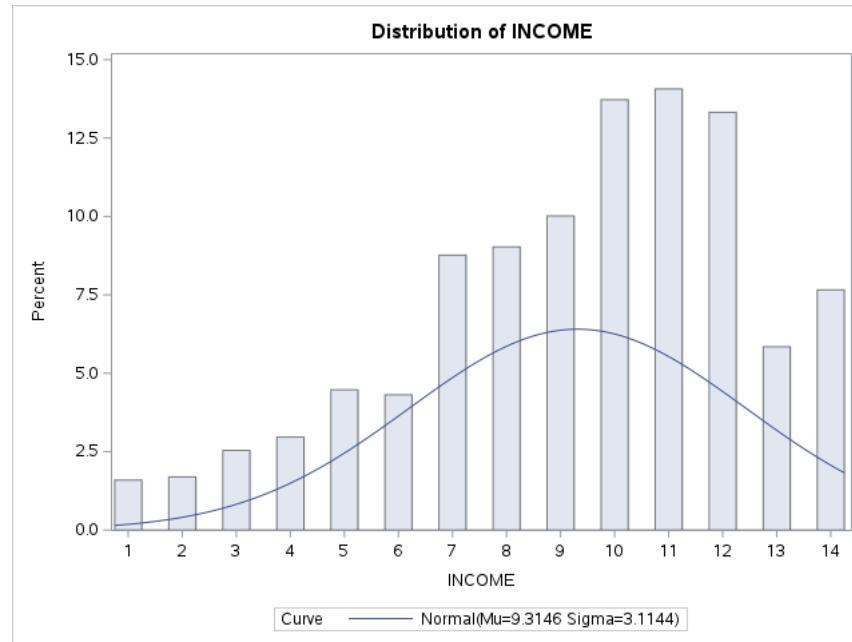
Basic Statistical Measures			
Location		Variability	
Mean	9.31459	Std Deviation	3.11442
Median	10.00000	Variance	9.69964
Mode	11.00000	Range	13.00000
		Interquartile Range	5.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	210.6756	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	4931	14	4915
1	4889	14	4920
1	4775	14	4929
1	4757	14	4935
1	4732	14	4962

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables****Fitted Normal Distribution for INCOME**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	9.314591
Std Dev	Sigma	3.114425

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.1332446	Pr > D <0.010
Cramer-von Mises	W-Sq	11.5040010	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	69.7957735	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	2.06936
5.0	3.00000	4.19182
10.0	5.00000	5.32329
25.0	7.00000	7.21394
50.0	10.00000	9.31459
75.0	12.00000	11.41524
90.0	13.00000	13.30589
95.0	14.00000	14.43736
99.0	14.00000	16.55983

**Histograms for All Numeric Variables**

Variable: HSGPA

Moments			
N	4962	Sum Weights	4962
Mean	6.56025796	Sum Observations	32552
Std Deviation	1.33687584	Variance	1.78723702
Skewness	-0.8769944	Kurtosis	0.49260984
Uncorrected SS	222416	Corrected SS	8866.48287
Coeff Variation	20.3784036	Std Error Mean	0.01897854

Basic Statistical Measures			
Location		Variability	
Mean	6.560258	Std Deviation	1.33688
Median	7.000000	Variance	1.78724
Mode	8.000000	Range	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	345.6672	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

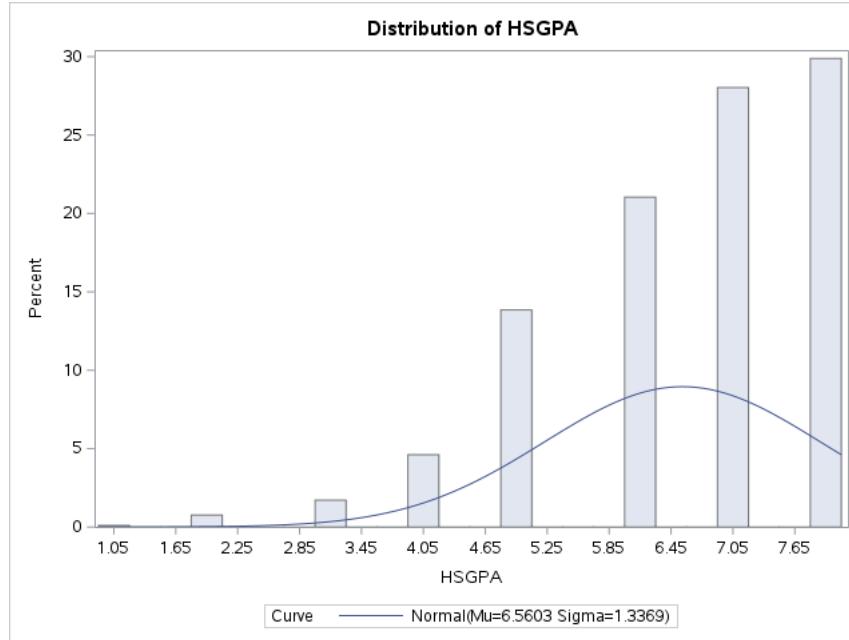
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 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	589	8	4940
1	491	8	4949
1	489	8	4950
1	208	8	4957
1	108	8	4958

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for HSGPA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.560258
Std Dev	Sigma	1.336876

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.208099	Pr > D <0.010
Cramer-von Mises	W-Sq	32.557292	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	202.599697	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.45022
5.0	4.00000	4.36129
10.0	5.00000	4.84698
25.0	6.00000	5.65855

Percent	Quantile	
	Observed	Estimated
50.0	7.00000	6.56026
75.0	8.00000	7.46197
90.0	8.00000	8.27353
95.0	8.00000	8.75922
99.0	8.00000	9.67030

**Histograms for All Numeric Variables**

Variable: CITIZEN

Moments			
N	4962	Sum Weights	4962
Mean	1.93288996	Sum Observations	9591
Std Deviation	0.25023769	Variance	0.0626189
Skewness	-3.4612254	Kurtosis	9.98410536
Uncorrected SS	18849	Corrected SS	310.652358
Coeff Variation	12.9462975	Std Error Mean	0.00355242

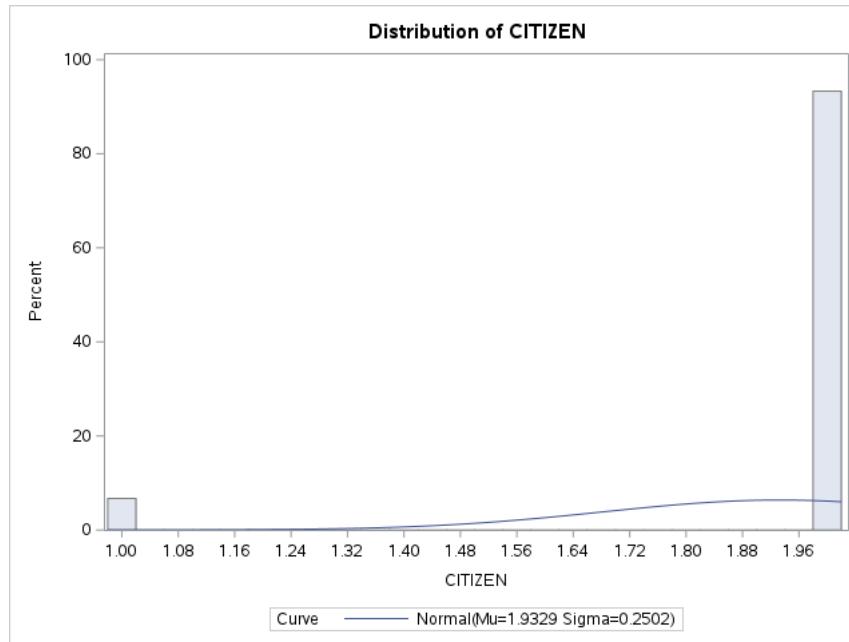
Basic Statistical Measures			
Location		Variability	
Mean	1.932890	Std Deviation	0.25024
Median	2.000000	Variance	0.06262
Mode	2.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	544.1051	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	4961	2	4957
1	4951	2	4958
1	4949	2	4959
1	4948	2	4960
1	4946	2	4962

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for CITIZEN

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	1.93289
Std Dev	$\sigma$	0.250238

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.53861	$p > D$ <0.010
Cramer-von Mises	W-Sq	360.31760	$p > W-Sq$ <0.005
Anderson-Darling	A-Sq	1740.18570	$p > A-Sq$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.35075
5.0	1.00000	1.52129
10.0	2.00000	1.61220
25.0	2.00000	1.76411
50.0	2.00000	1.93289
75.0	2.00000	2.10167
90.0	2.00000	2.25358
95.0	2.00000	2.34449
99.0	2.00000	2.51503

**Histograms for All Numeric Variables**

Variable: PLANLIVE

Moments			
N	4962	Sum Weights	4962
Mean	2.84240226	Sum Observations	14104
Std Deviation	0.61995939	Variance	0.38434964
Skewness	-1.6951703	Kurtosis	5.73626907
Uncorrected SS	41996	Corrected SS	1906.75857
Coeff Variation	21.8111066	Std Error Mean	0.00880106

Basic Statistical Measures			
Location		Variability	
Mean	2.842402	Std Deviation	0.61996
Median	3.000000	Variance	0.38435
Mode	3.000000	Range	5.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	322.9614	$p >  t $ <.0001
Sign	M	2481	$p >=  M $ <.0001

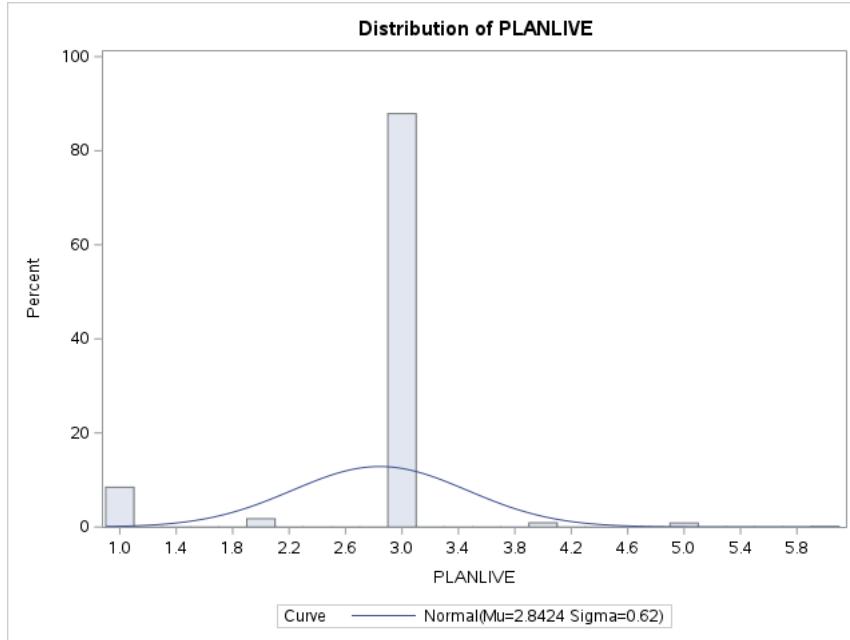
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6
99%	4
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	4950	6	115
1	4949	6	145
1	4936	6	2508
1	4935	6	2995
1	4932	6	4812

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for PLANLIVE

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	2.842402
Std Dev	$\sigma$	0.619959

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.49795	Pr > D <0.010
Cramer-von Mises	W-Sq	296.61683	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1413.14029	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.40016
5.0	1.00000	1.82266
10.0	2.00000	2.04789
25.0	3.00000	2.42425

Percent	Quantile	
	Observed	Estimated
50.0	3.00000	2.84240
75.0	3.00000	3.26056
90.0	3.00000	3.63691
95.0	3.00000	3.86214
99.0	4.00000	4.28464

**Histograms for All Numeric Variables**

Variable: DSstud\_RC

Moments			
N	4962	Sum Weights	4962
Mean	1.00544135	Sum Observations	4989
Std Deviation	0.07357198	Variance	0.00541284
Skewness	13.4496323	Kurtosis	178.964742
Uncorrected SS	5043	Corrected SS	26.8530834
Coeff Variation	7.31738192	Std Error Mean	0.00104444

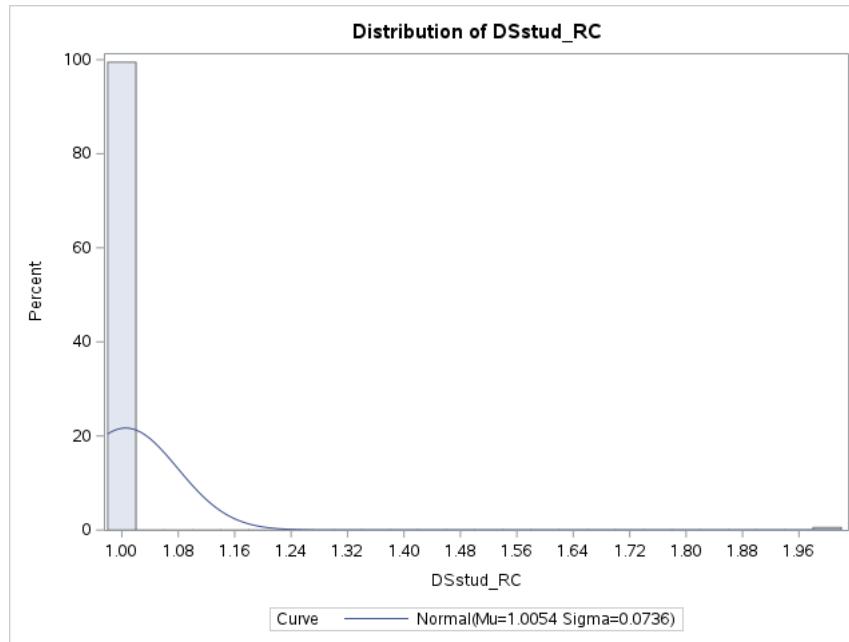
Basic Statistical Measures			
Location		Variability	
Mean	1.005441	Std Deviation	0.07357
Median	1.000000	Variance	0.00541
Mode	1.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	962.6594	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	4962	2	4137
1	4961	2	4200
1	4960	2	4327
1	4959	2	4639
1	4958	2	4802

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for DSstud\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.005441
Std Dev	Sigma	0.073572

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.52404	Pr > D <0.010
Cramer-von Mises	W-Sq	410.32036	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1907.31869	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.83429
5.0	1.00000	0.88443
10.0	1.00000	0.91116
25.0	1.00000	0.95582
50.0	1.00000	1.00544
75.0	1.00000	1.05506
90.0	1.00000	1.09973
95.0	1.00000	1.12646
99.0	1.00000	1.17660

**Histograms for All Numeric Variables**

Variable: SIFRAT01

Moments			
N	4962	Sum Weights	4962
Mean	3.94578799	Sum Observations	19579
Std Deviation	0.68479277	Variance	0.46894113
Skewness	-0.1003787	Kurtosis	-0.3612304
Uncorrected SS	79581	Corrected SS	2326.41697
Coeff Variation	17.355032	Std Error Mean	0.00972144

Basic Statistical Measures			
Location		Variability	
Mean	3.945788	Std Deviation	0.68479
Median	4.000000	Variance	0.46894
Mode	4.000000	Range	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	405.885	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

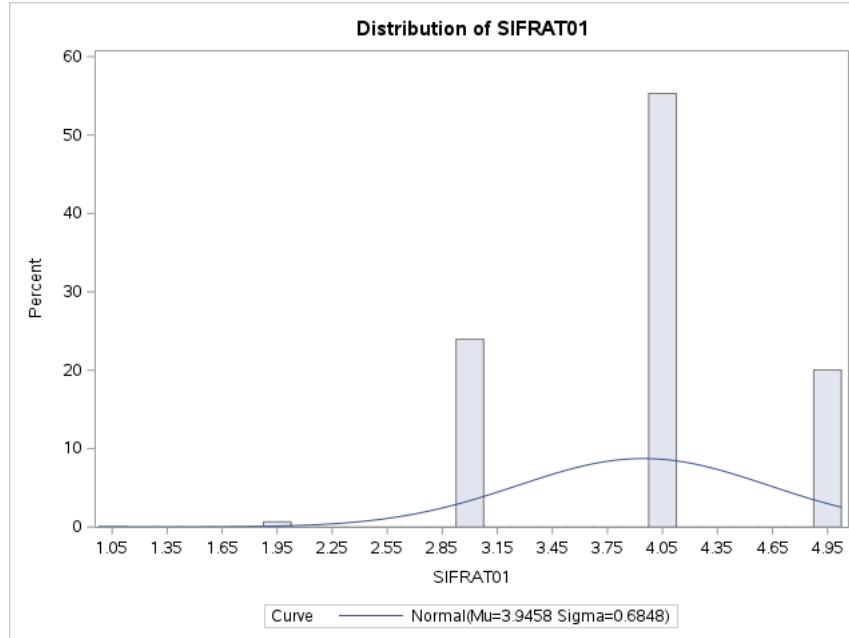
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	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	4125	5	4931
1	4057	5	4938
1	30	5	4949
2	4736	5	4954
2	4673	5	4959

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SIFRAT01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.945788
Std Dev	Sigma	0.684793

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.284875	Pr > D <0.010
Cramer-von Mises	W-Sq	82.811833	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	436.717767	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.35272
5.0	3.00000	2.81940
10.0	3.00000	3.06819
25.0	4.00000	3.48390

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	3.94579
75.0	4.00000	4.40767
90.0	5.00000	4.82339
95.0	5.00000	5.07217
99.0	5.00000	5.53885

**Histograms for All Numeric Variables**

Variable: SIFRAT07

Moments			
N	4962	Sum Weights	4962
Mean	4.07678356	Sum Observations	20229
Std Deviation	0.78534058	Variance	0.61675982
Skewness	-0.4429943	Kurtosis	-0.3366648
Uncorrected SS	85529	Corrected SS	3059.74547
Coeff Variation	19.26373	Std Error Mean	0.01114884

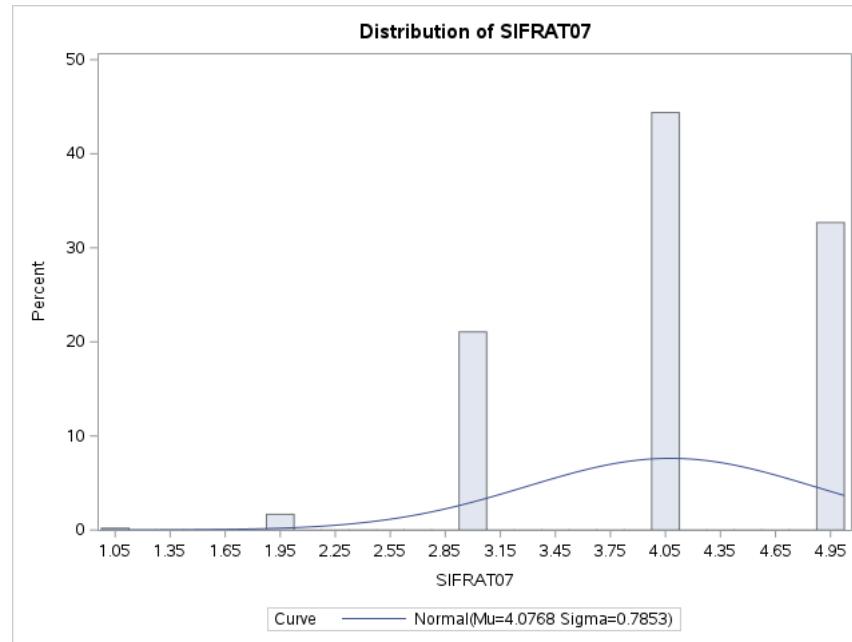
Basic Statistical Measures			
Location		Variability	
Mean	4.076784	Std Deviation	0.78534
Median	4.000000	Variance	0.61676
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	365.6689	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	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	4803	5	4954
1	4764	5	4955
1	4606	5	4956
1	4562	5	4959
1	4478	5	4960

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for SIFRAT07

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	4.076784
Std Dev	$\sigma$	0.785341

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.231714	$P > D$ <0.010
Cramer-von Mises	W-Sq	59.316999	$P > W\text{-}Sq$ <0.005
Anderson-Darling	A-Sq	353.612897	$P > A\text{-}Sq$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.24981
5.0	3.00000	2.78501
10.0	3.00000	3.07033
25.0	4.00000	3.54708
50.0	4.00000	4.07678
75.0	5.00000	4.60649
90.0	5.00000	5.08324
95.0	5.00000	5.36855
99.0	5.00000	5.90376

**Histograms for All Numeric Variables**

Variable: SIFMAJA

Moments			
N	4962	Sum Weights	4962
Mean	8.06993148	Sum Observations	40043
Std Deviation	4.72421728	Variance	22.3182289
Skewness	0.32937952	Kurtosis	-1.325345
Uncorrected SS	433865	Corrected SS	110720.734
Coeff Variation	58.5409838	Std Error Mean	0.06706586

Basic Statistical Measures			
Location		Variability	
Mean	8.069931	Std Deviation	4.72422
Median	7.000000	Variance	22.31823
Mode	3.000000	Range	15.00000
		Interquartile Range	9.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	120.3285	$P >  t $ <.0001
Sign	M	2481	$P \geq  M $ <.0001

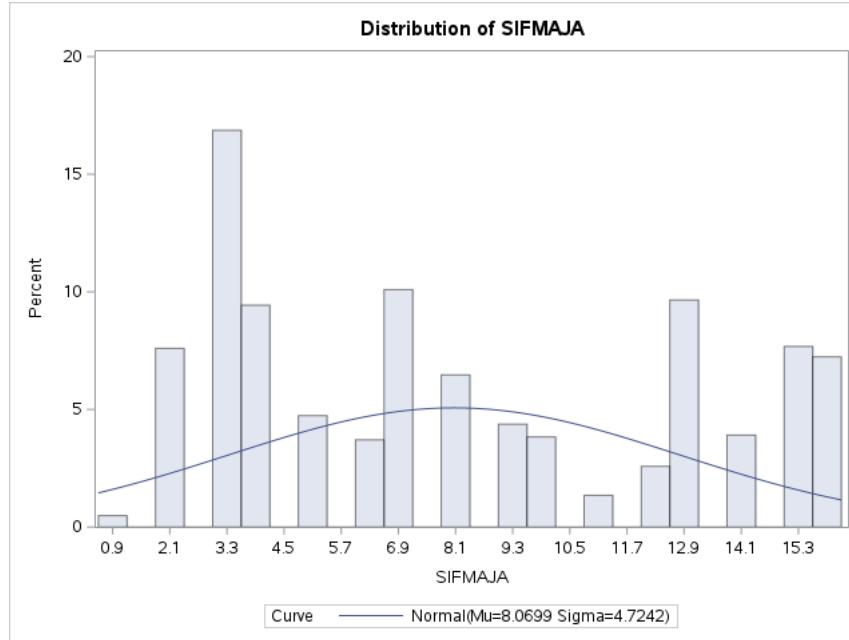
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	16
99%	16
95%	16
90%	15
75% Q3	13
50% Median	7
25% Q1	4
10%	3
5%	2
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4803	16	4885
1	4792	16	4911
1	4392	16	4934
1	4323	16	4946
1	4120	16	4947

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for SIFMAJA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	8.069931
Std Dev	Sigma	4.724217

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.149333	Pr > D <0.010
Cramer-von Mises	W-Sq	25.134649	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	169.045331	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	-2.92024
5.0	2.00000	0.29929
10.0	3.00000	2.01560
25.0	4.00000	4.88350

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	7.00000	8.06993
75.0	13.00000	11.25637
90.0	15.00000	14.12426
95.0	16.00000	15.84058
99.0	16.00000	19.06010

**Histograms for All Numeric Variables**

Variable: CSSHPW01

Moments			
N	4962	Sum Weights	4962
Mean	5.324869	Sum Observations	26422
Std Deviation	1.44650711	Variance	2.09238282
Skewness	0.21794355	Kurtosis	-0.4854319
Uncorrected SS	151074	Corrected SS	10380.3112
Coeff Variation	27.165121	Std Error Mean	0.02053488

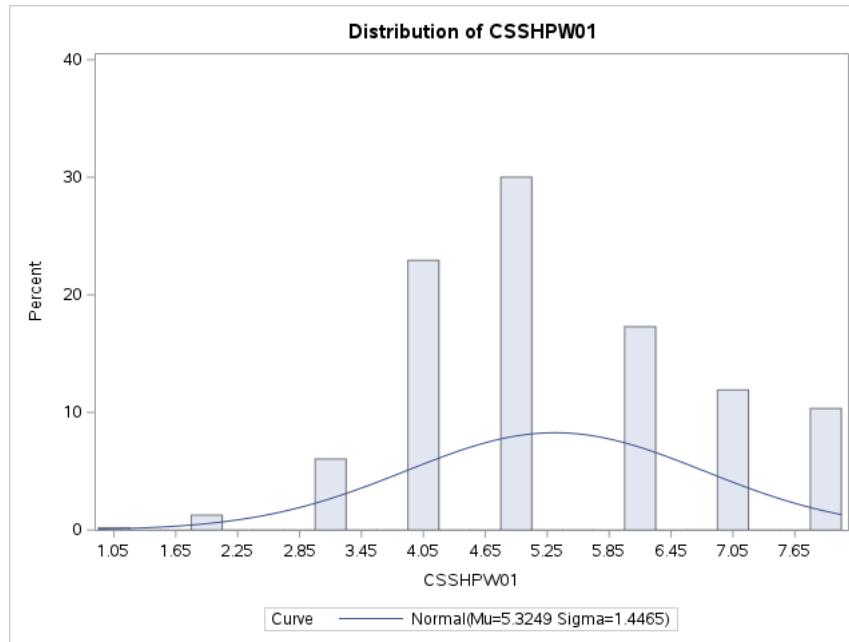
Basic Statistical Measures			
Location		Variability	
Mean	5.324869	Std Deviation	1.44651
Median	5.000000	Variance	2.09238
Mode	5.000000	Range	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	259.3085	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4491	8	4913
1	2681	8	4916
1	2064	8	4928
1	1999	8	4929
1	1927	8	4950

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for CSSHPW01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.324869
Std Dev	Sigma	1.446507

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.193445	Pr > D <0.010
Cramer-von Mises	W-Sq	23.720175	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	133.818837	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	1.95979
5.0	3.00000	2.94558
10.0	4.00000	3.47110
25.0	4.00000	4.34921
50.0	5.00000	5.32487
75.0	6.00000	6.30052
90.0	8.00000	7.17864
95.0	8.00000	7.70416
99.0	8.00000	8.68995

**Histograms for All Numeric Variables**

Variable: CSSHPW02

Moments			
N	4962	Sum Weights	4962
Mean	5.89439742	Sum Observations	29248
Std Deviation	1.18417505	Variance	1.40227056
Skewness	-0.5406745	Kurtosis	1.35534162
Uncorrected SS	179356	Corrected SS	6956.66425
Coeff Variation	20.0898407	Std Error Mean	0.01681077

Basic Statistical Measures			
Location		Variability	
Mean	5.894397	Std Deviation	1.18418
Median	6.000000	Variance	1.40227
Mode	6.000000	Range	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	350.6323	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

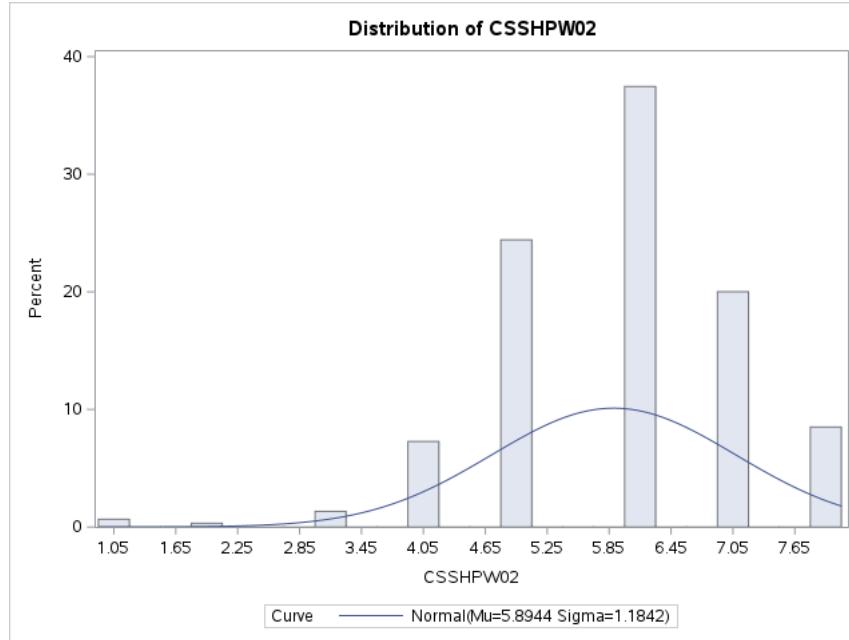
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4961	8	4921
1	4900	8	4926
1	4521	8	4927
1	4452	8	4948
1	4447	8	4950

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for CSSHPW02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.894397
Std Dev	Sigma	1.184175

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.195344	Pr > D <0.010
Cramer-von Mises	W-Sq	31.798841	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	161.553596	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.13959
5.0	4.00000	3.94660
10.0	5.00000	4.37682
25.0	5.00000	5.09568

Percent	Quantile	
	Observed	Estimated
	50.0	6.00000
<b>75.0</b>		6.69311
<b>90.0</b>		7.41198
<b>95.0</b>		7.84219
<b>99.0</b>		8.64920

**Histograms for All Numeric Variables**

Variable: CSSHPW03

Moments			
N	4962	Sum Weights	4962
<b>Mean</b>	5.56791616	<b>Sum Observations</b>	27628
<b>Std Deviation</b>	1.47979827	<b>Variance</b>	2.18980291
<b>Skewness</b>	0.17973524	<b>Kurtosis</b>	-0.7599466
<b>Uncorrected SS</b>	164694	<b>Corrected SS</b>	10863.6123
<b>Coeff Variation</b>	26.5772369	<b>Std Error Mean</b>	0.02100749

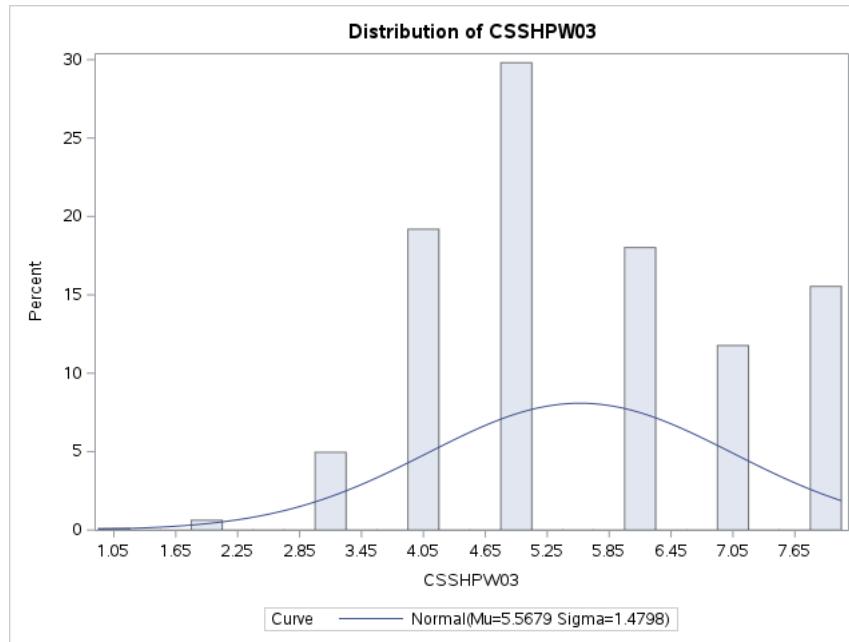
Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	5.567916	<b>Std Deviation</b>	1.47980
<b>Median</b>	5.000000	<b>Variance</b>	2.18980
<b>Mode</b>	5.000000	<b>Range</b>	7.00000
		<b>Interquartile Range</b>	2.00000

Tests for Location: Mu0=0				
Test	Statistic	p Value		
<b>Student's t</b>	t	265.0444	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	M	2481	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	S	6156602	<b>Pr &gt;=  S </b>	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	2681	8	4932
1	1936	8	4933
1	1927	8	4946
1	609	8	4951
1	391	8	4954

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables**

Fitted Normal Distribution for CSSHPW03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.567916
Std Dev	Sigma	1.479798

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.196184	Pr > D <0.010
Cramer-von Mises	W-Sq	24.279730	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	147.456555	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.12539
5.0	3.00000	3.13386
10.0	4.00000	3.67148
25.0	5.00000	4.56981
50.0	5.00000	5.56792
75.0	7.00000	6.56602
90.0	8.00000	7.46435
95.0	8.00000	8.00197
99.0	8.00000	9.01044

**Histograms for All Numeric Variables**

Variable: CSSHPW05

Moments			
N	4962	Sum Weights	4962
Mean	3.48669891	Sum Observations	17301
Std Deviation	1.75405897	Variance	3.07672286
Skewness	0.38287078	Kurtosis	-0.2593651
Uncorrected SS	75567	Corrected SS	15263.6221
Coeff Variation	50.3071533	Std Error Mean	0.02490094

Basic Statistical Measures			
Location		Variability	
Mean	3.486699	Std Deviation	1.75406
Median	4.000000	Variance	3.07672
Mode	4.000000	Range	7.00000
		Interquartile Range	3.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	140.0228	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

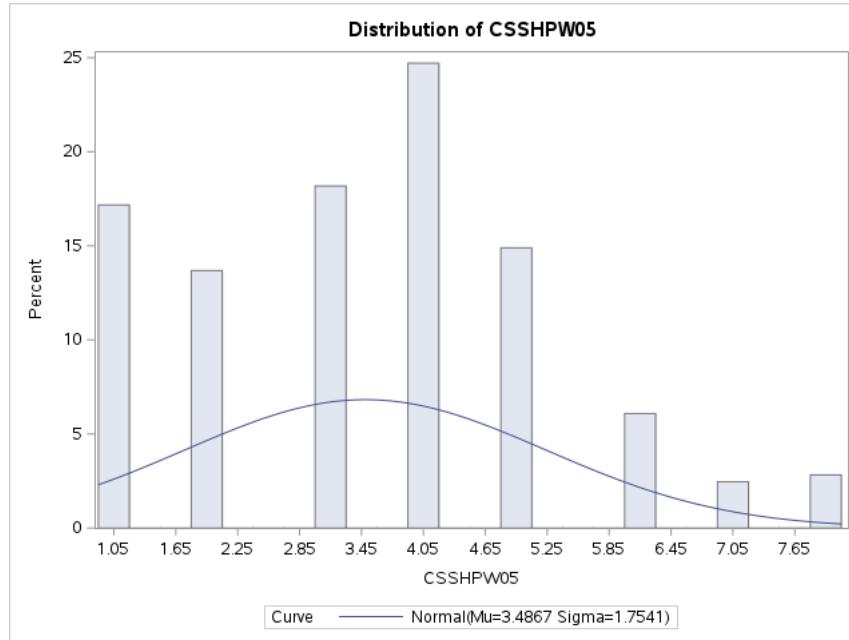
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	7
90%	6
75% Q3	5
50% Median	4
25% Q1	2
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4960	8	4847
1	4957	8	4854
1	4950	8	4857
1	4949	8	4904
1	4944	8	4954

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for CSSHPW05

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.486699
Std Dev	Sigma	1.754059

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.1247734	Pr > D <0.010
Cramer-von Mises	W-Sq	14.7485552	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	96.0008741	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-0.59385
5.0	1.00000	0.60153
10.0	1.00000	1.23878
25.0	2.00000	2.30360

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
50.0	4.00000	3.48670
75.0	5.00000	4.66979
90.0	6.00000	5.73462
95.0	7.00000	6.37187
99.0	8.00000	7.56725

**Histograms for All Numeric Variables**

Variable: CSSHPW08

Moments			
N	4962	Sum Weights	4962
Mean	2.7529221	Sum Observations	13660
Std Deviation	1.58715634	Variance	2.51906523
Skewness	0.78046261	Kurtosis	0.48606907
Uncorrected SS	50102	Corrected SS	12497.0826
Coeff Variation	57.653512	Std Error Mean	0.02253156

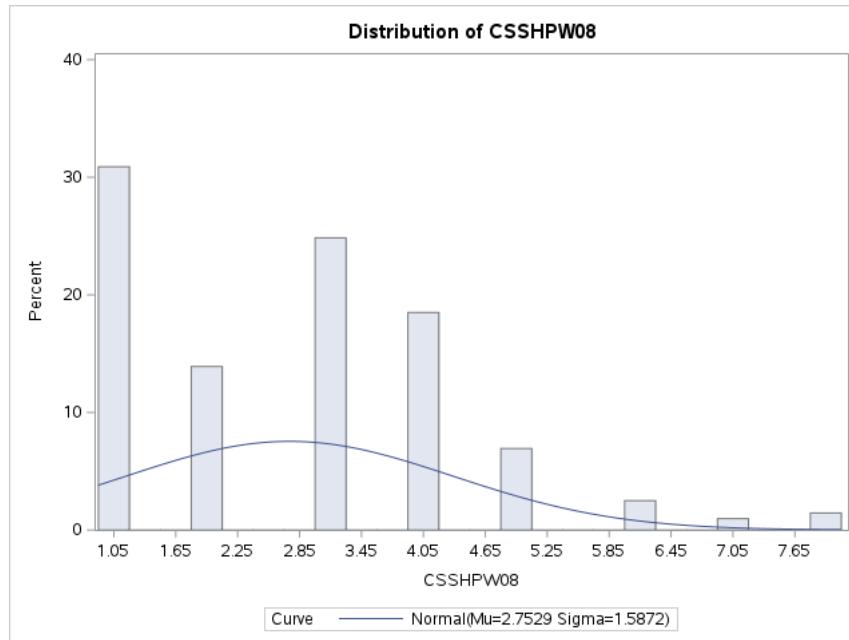
Basic Statistical Measures			
Location		Variability	
Mean	2.752922	Std Deviation	1.58716
Median	3.000000	Variance	2.51907
Mode	1.000000	Range	7.00000
		Interquartile Range	3.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	122.1807	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4960	8	4756
1	4956	8	4840
1	4952	8	4848
1	4951	8	4854
1	4949	8	4904

**Histograms for All Numeric Variables**

**Histograms for All Numeric Variables****Fitted Normal Distribution for CSSHPW08**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	2.752922
Std Dev	$\sigma$	1.587156

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.174247	$Pr > D$ <0.010
Cramer-von Mises	W-Sq	25.783850	$Pr > W\text{-}Sq$ <0.005
Anderson-Darling	A-Sq	176.989758	$Pr > A\text{-}Sq$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-0.93936
5.0	1.00000	0.14228
10.0	1.00000	0.71890
25.0	1.00000	1.68240
50.0	3.00000	2.75292
75.0	4.00000	3.82344
90.0	5.00000	4.78694
95.0	5.00000	5.36356
99.0	8.00000	6.44520

**Histograms for All Numeric Variables**

Variable: COLLGPA

Moments			
N	4962	Sum Weights	4962
Mean	4.62938331	Sum Observations	22971
Std Deviation	0.88430011	Variance	0.78198668
Skewness	-0.4015656	Kurtosis	-0.0088279
Uncorrected SS	110221	Corrected SS	3879.43591
Coeff Variation	19.1018986	Std Error Mean	0.01255369

Basic Statistical Measures			
Location		Variability	
Mean	4.629383	Std Deviation	0.88430
Median	5.000000	Variance	0.78199
Mode	5.000000	Range	5.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	368.7668	$Pr >  t $ <.0001
Sign	M	2481	$Pr \geq  M $ <.0001

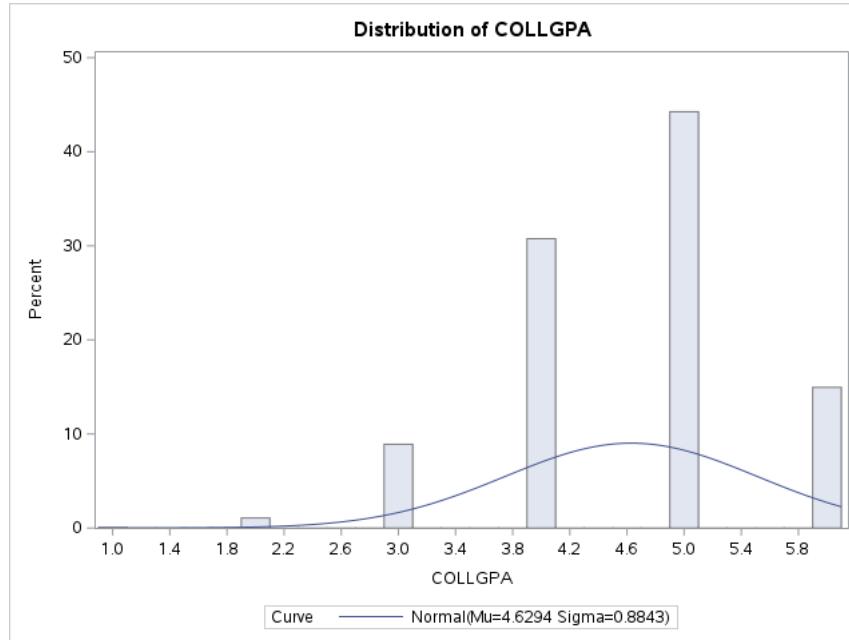
## Program Summary - adhoc and norality for OFFDATAHERI.sas

Tests for Location: Mu0=0		
Test	Statistic	p Value
Signed Rank	S	6156602 Pr >=  S  <.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	6	4942
1	1028	6	4948
1	588	6	4949
2	4935	6	4951
2	4906	6	4953

## Histograms for All Numeric Variables



## Histograms for All Numeric Variables

## Fitted Normal Distribution for COLLGPA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.629383
Std Dev	Sigma	0.8843

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.254531	Pr > D <0.010
Cramer-von Mises	W-Sq	52.741920	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	274.497912	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.57219
5.0	3.00000	3.17484
10.0	3.00000	3.49611
25.0	4.00000	4.03293

Percent	Quantile	
	Observed	Estimated
50.0	5.00000	4.62938
75.0	5.00000	5.22583
90.0	6.00000	5.76266
95.0	6.00000	6.08393
99.0	6.00000	6.68657

**Histograms for All Numeric Variables**

Variable: Success\_Latent

Moments			
N	4962	Sum Weights	4962
Mean	-0.0053024	Sum Observations	-26.310737
Std Deviation	0.37367348	Variance	0.13963187
Skewness	-0.2654995	Kurtosis	0.19255742
Uncorrected SS	692.853222	Corrected SS	692.71371
Coeff Variation	-7047.1908	Std Error Mean	0.00530474

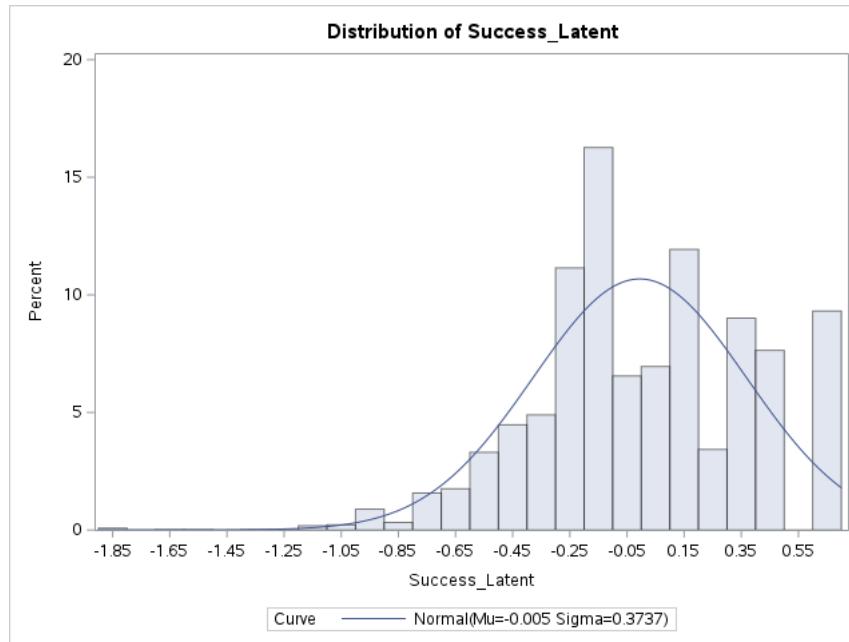
Basic Statistical Measures			
Location		Variability	
Mean	-0.00530	Std Deviation	0.37367
Median	-0.01320	Variance	0.13963
Mode	-0.14049	Range	2.48998
		Interquartile Range	0.60786

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	-0.99957	Pr >  t	0.3176
Sign	M	-86	Pr >=  M	0.0152
Signed Rank	S	132758.5	Pr >=  S	0.1881

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.6376667
99%	0.6376667
95%	0.6376667
90%	0.4360693
75% Q3	0.3107722
50% Median	-0.0132024
25% Q1	-0.2970886
10%	-0.4522924
5%	-0.6088225
1%	-0.9284296
0% Min	-1.8523172

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-1.85232	4718	0.637667	4908
-1.85232	3131	0.637667	4920
-1.85232	1962	0.637667	4945
-1.85232	1765	0.637667	4958
-1.61126	4539	0.637667	4960

**Histograms for All Numeric Variables**



#### Histograms for All Numeric Variables

Fitted Normal Distribution for Success\_Latent

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	$\mu$	-0.0053
Std Dev	$\sigma$	0.373673

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.0624704	$Pr > D$ <0.010
Cramer-von Mises	W-Sq	3.3414263	$Pr > W-Sq$ <0.005
Anderson-Darling	A-Sq	24.8764707	$Pr > A-Sq$ <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	-0.92843	-0.87460
5.0	-0.60882	-0.61994
10.0	-0.45229	-0.48418
25.0	-0.29709	-0.25734
50.0	-0.01320	-0.00530
75.0	0.31077	0.24674
90.0	0.43607	0.47358
95.0	0.63767	0.60934
99.0	0.63767	0.86399

#### Histograms and Normality Tests for All Numeric Variables

Variable: SLFCHG01

Moments			
N	4962	Sum Weights	4962
Mean	4.4764208	Sum Observations	22212
Std Deviation	0.57456349	Variance	0.33012321
Skewness	-0.8838282	Kurtosis	2.02454933
Uncorrected SS	101068	Corrected SS	1637.74123
Coeff Variation	12.8353325	Std Error Mean	0.00815661

Basic Statistical Measures			
Location		Variability	
Mean	4.476421	Std Deviation	0.57456
Median	5.000000	Variance	0.33012
Mode	5.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	548.809	$Pr >  t $ <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

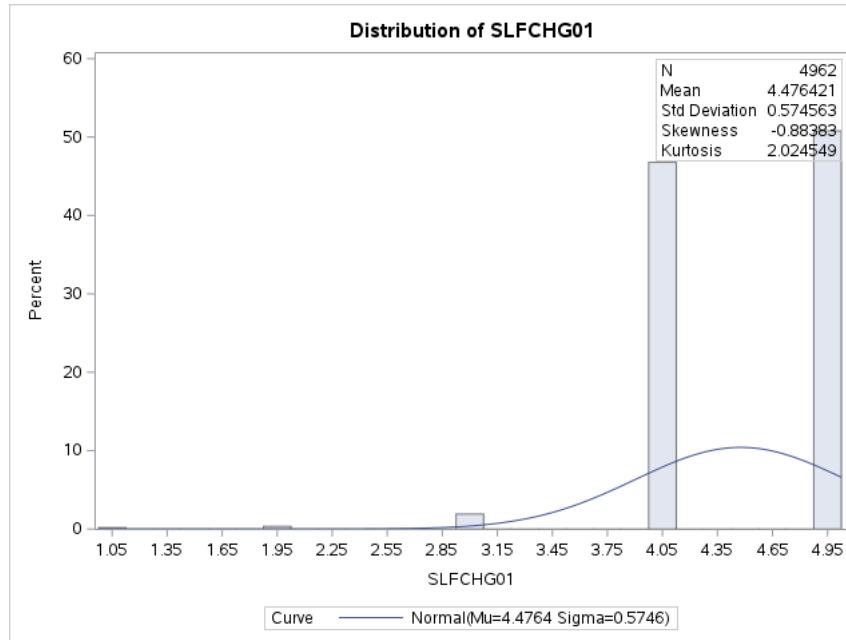
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Sign	M	2481	Pr >=  M  <.0001
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.326782	Pr > D <0.0100
Cramer-von Mises	W-Sq	116.8296	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq	685.7931	Pr > A-Sq <0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4958
1	4609	5	4959
1	4567	5	4960
1	4539	5	4961
1	3131	5	4962

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for SLFCHG01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.476421
Std Dev	Sigma	0.574563

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.326782	Pr > D <0.0100
Cramer-von Mises	W-Sq	116.829585	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq	685.793113	Pr > A-Sq <0.0050

Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.13979
5.0	4.00000	3.53135
10.0	4.00000	3.74009
25.0	4.00000	4.08888
50.0	5.00000	4.47642
75.0	5.00000	4.86396
90.0	5.00000	5.21275
95.0	5.00000	5.42149
99.0	5.00000	5.81306

**Histograms and Normality Tests for All Numeric Variables**

Variable: SLFCHG02

Moments			
N	4962	Sum Weights	4962
Mean	4.30370818	Sum Observations	21355
Std Deviation	0.61449792	Variance	0.37760769
Skewness	-0.5916699	Kurtosis	1.21478465
Uncorrected SS	93779	Corrected SS	1873.31177
Coeff Variation	14.2783361	Std Error Mean	0.00872353

Basic Statistical Measures			
Location		Variability	
Mean	4.303708	Std Deviation	0.61450
Median	4.000000	Variance	0.37761
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

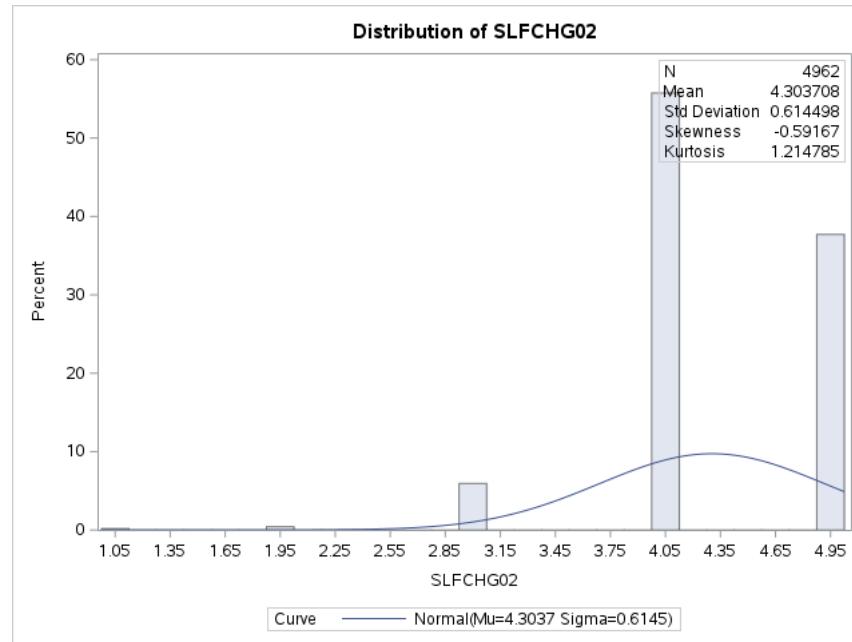
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	493.3451	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.312365	Pr > D	<.0100
Cramer-von Mises	W-Sq	103.8398	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	576.4417	Pr > A-Sq	<.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4955
1	4609	5	4956
1	4567	5	4958
1	4539	5	4960
1	3131	5	4961

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SLFCHG02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.303708
Std Dev	Sigma	0.614498

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.312365	Pr > D <0.010
Cramer-von Mises	W-Sq	103.839836	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	576.441700	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.87417
5.0	3.00000	3.29295
10.0	4.00000	3.51620
25.0	4.00000	3.88924
50.0	4.00000	4.30371
75.0	5.00000	4.71818
90.0	5.00000	5.09122
95.0	5.00000	5.31447
99.0	5.00000	5.73324

**Histograms and Normality Tests for All Numeric Variables**

Variable: SLFCHG03

Moments			
N	4962	Sum Weights	4962
Mean	4.64228134	Sum Observations	23035
Std Deviation	0.53576941	Variance	0.28704886
Skewness	-1.4497248	Kurtosis	3.37220071
Uncorrected SS	108359	Corrected SS	1424.04938
Coeff Variation	11.5410801	Std Error Mean	0.00760588

Basic Statistical Measures			
Location		Variability	
Mean	4.642281	Std Deviation	0.53577
Median	5.000000	Variance	0.28705
Mode	5.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	610.3542	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

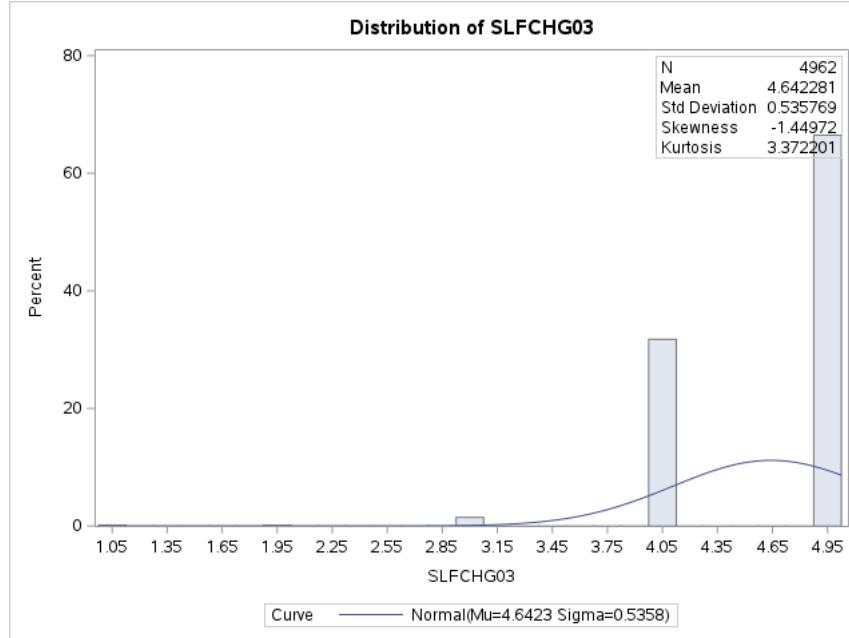
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.41248	Pr > D	<0.0100
Cramer-von Mises	W-Sq	161.7663	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	868.8938	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4958
1	4609	5	4959
1	4567	5	4960
1	4539	5	4961
1	4029	5	4962

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for SLFCHG03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.642281
Std Dev	Sigma	0.535769

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.412480	Pr > D	<0.010
Cramer-von Mises	W-Sq	161.766298	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	868.893819	Pr > A-Sq	<0.005

Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.39590
5.0	4.00000	3.76102
10.0	4.00000	3.95567
25.0	4.00000	4.28091
50.0	5.00000	4.64228
75.0	5.00000	5.00365
90.0	5.00000	5.32390
95.0	5.00000	5.52354
99.0	5.00000	5.88867

**Histograms and Normality Tests for All Numeric Variables**

Variable: SLFCHG04

Moments			
N	4962	Sum Weights	4962
Mean	4.35792019	Sum Observations	21624
Std Deviation	0.61989032	Variance	0.38426401
Skewness	-0.650556	Kurtosis	0.8299009
Uncorrected SS	96142	Corrected SS	1906.33374
Coeff Variation	14.2244532	Std Error Mean	0.00880008

Basic Statistical Measures			
Location		Variability	
Mean	4.357920	Std Deviation	0.61989
Median	4.000000	Variance	0.38426
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

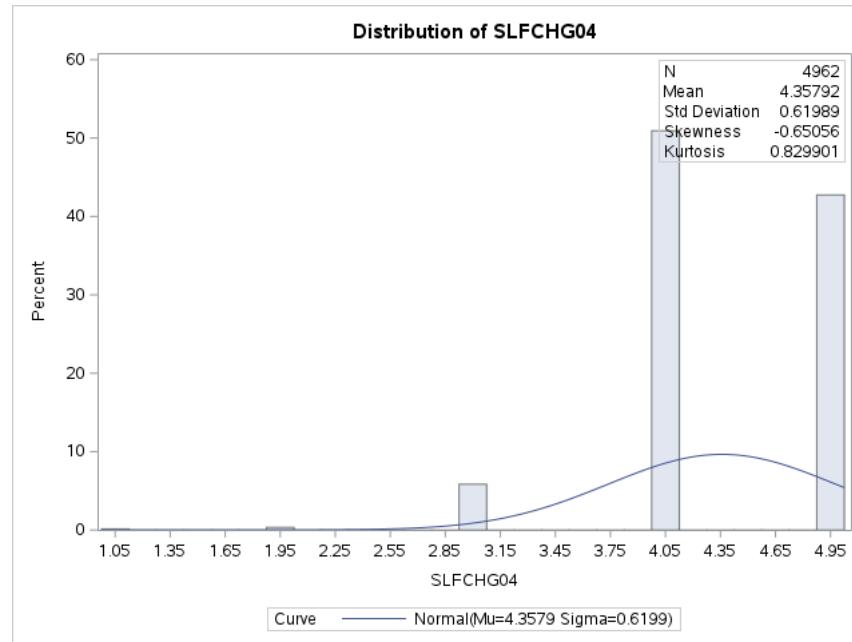
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	495.2139	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.290714	Pr > D	<0.0100
Cramer-von Mises	W-Sq	98.96933	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	568.9936	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4951
1	4609	5	4955
1	4567	5	4958
1	4539	5	4960
1	3131	5	4961

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SLFCHG04

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.35792
Std Dev	Sigma	0.61989

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.290714	Pr > D <0.010
Cramer-von Mises	W-Sq	98.969335	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	568.993630	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.91584
5.0	3.00000	3.33829
10.0	4.00000	3.56350
25.0	4.00000	3.93981
50.0	4.00000	4.35792
75.0	5.00000	4.77603
90.0	5.00000	5.15234
95.0	5.00000	5.37755
99.0	5.00000	5.80000

**Histograms and Normality Tests for All Numeric Variables**

Variable: SLFCHG09

Moments			
N	4962	Sum Weights	4962
Mean	4.22893994	Sum Observations	20984
Std Deviation	0.69465727	Variance	0.48254872
Skewness	-0.6916595	Kurtosis	0.84672916
Uncorrected SS	91134	Corrected SS	2393.92422
Coeff Variation	16.4262742	Std Error Mean	0.00986148

Basic Statistical Measures			
Location		Variability	
Mean	4.228940	Std Deviation	0.69466
Median	4.000000	Variance	0.48255
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	428.8341	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

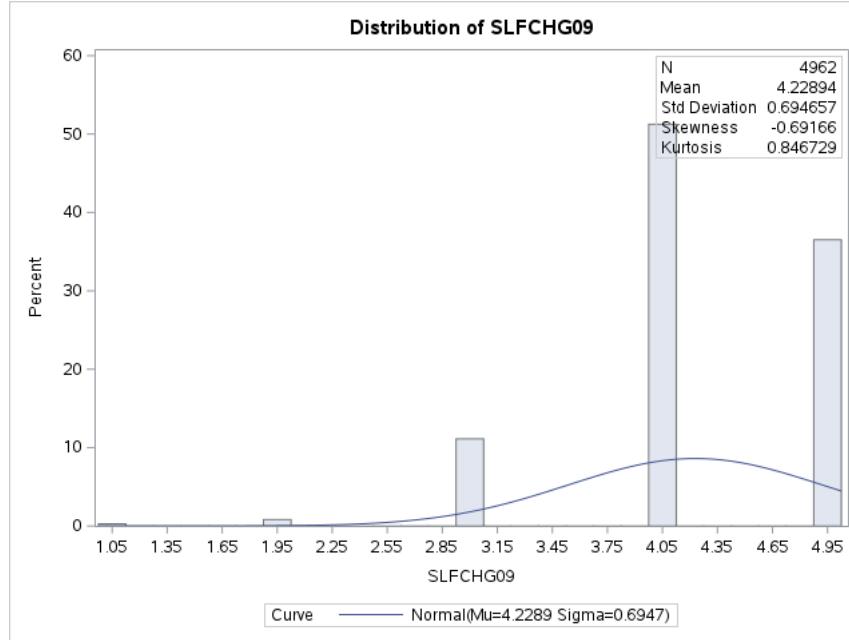
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.263963	Pr > D	<0.0100
Cramer-von Mises	W-Sq	81.32595	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	454.5397	Pr > A-Sq	<0.0050

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	4856	5	4948
1	4718	5	4956
1	4609	5	4958
1	4567	5	4959
1	4539	5	4960

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

Fitted Normal Distribution for SLFCHG09

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.22894
Std Dev	Sigma	0.694657

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.263963	Pr > D	<0.010
Cramer-von Mises	W-Sq	81.32595	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	454.539651	Pr > A-Sq	<0.005

Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.61293
5.0	3.00000	3.08633
10.0	3.00000	3.33870
25.0	4.00000	3.76040
50.0	4.00000	4.22894
75.0	5.00000	4.69748
90.0	5.00000	5.11918
95.0	5.00000	5.37155
99.0	5.00000	5.84495

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSRAT01

Moments			
N	4962	Sum Weights	4962
Mean	3.97440548	Sum Observations	19721
Std Deviation	0.69376082	Variance	0.48130407
Skewness	-0.1579705	Kurtosis	-0.2498454
Uncorrected SS	80767	Corrected SS	2387.7495
Coeff Variation	17.4557131	Std Error Mean	0.00984876

Basic Statistical Measures			
Location		Variability	
Mean	3.974405	Std Deviation	0.69376
Median	4.000000	Variance	0.48130
Mode	4.000000	Range	4.00000
		Interquartile Range	0

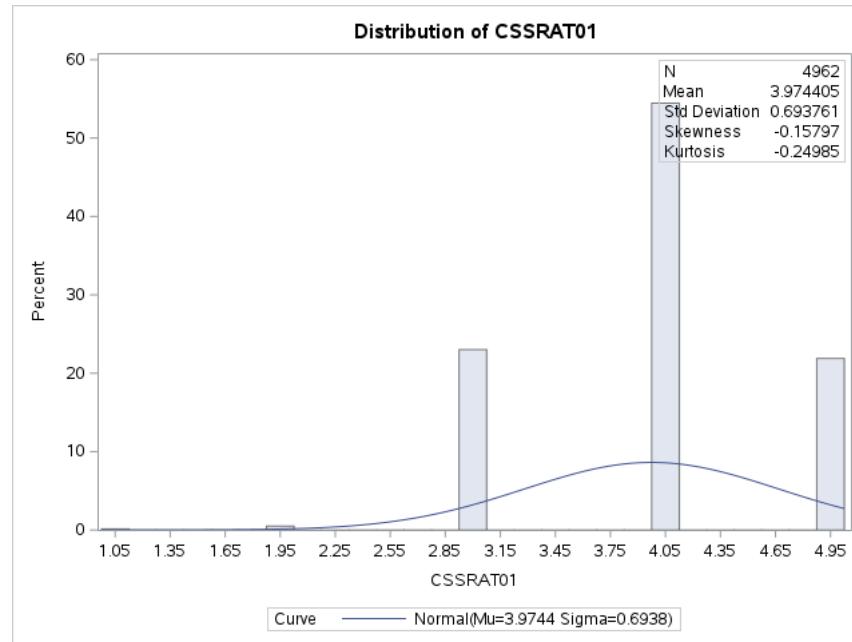
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	403.5439	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.278116	Pr > D	<0.0100
Cramer-von Mises	W-Sq	79.91432	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	425.8401	Pr > A-Sq	<0.0050

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	4718	5	4946
1	4539	5	4949
1	3131	5	4951
1	1962	5	4955
1	1765	5	4958

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables****Fitted Normal Distribution for CSSRAT01**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.974405
Std Dev	Sigma	0.693761

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.278116	Pr > D <0.010
Cramer-von Mises	W-Sq	79.914317	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	425.840051	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.36048
5.0	3.00000	2.83327
10.0	3.00000	3.08532
25.0	4.00000	3.50647
50.0	4.00000	3.97441
75.0	4.00000	4.44234
90.0	5.00000	4.86350
95.0	5.00000	5.11554
99.0	5.00000	5.58833

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSRAT07

Moments			
N	4962	Sum Weights	4962
Mean	4.0719468	Sum Observations	20205
Std Deviation	0.79877388	Variance	0.63803971
Skewness	-0.5571249	Kurtosis	-0.0066184
Uncorrected SS	85439	Corrected SS	3165.31499
Coeff Variation	19.6165107	Std Error Mean	0.01133954

Basic Statistical Measures			
Location		Variability	
Mean	4.071947	Std Deviation	0.79877
Median	4.000000	Variance	0.63804
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	359.0927	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

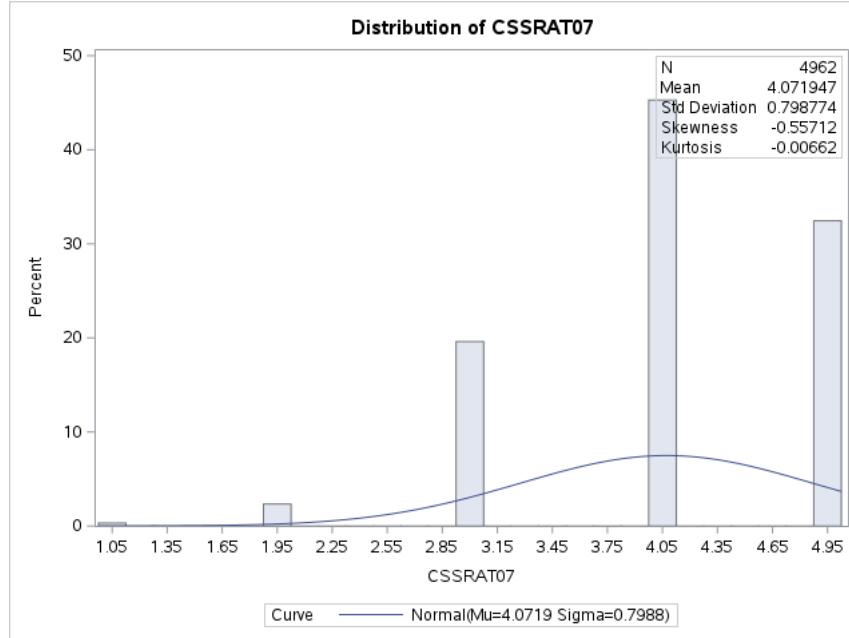
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.241423	Pr > D	<0.0100
Cramer-von Mises	W-Sq	59.86844	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	345.9029	Pr > A-Sq	<0.0050

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	4789	5	4951
1	4718	5	4953
1	4539	5	4954
1	4081	5	4958
1	3530	5	4960

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for CSSRAT07

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.071947
Std Dev	Sigma	0.798774

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.241423	Pr > D	<0.010
Cramer-von Mises	W-Sq	59.868439	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	345.902935	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	2.00000	2.21372
5.0	3.00000	2.75808
10.0	3.00000	3.04828
25.0	4.00000	3.53318
50.0	4.00000	4.07195
75.0	5.00000	4.61071
90.0	5.00000	5.09562
95.0	5.00000	5.38581
99.0	5.00000	5.93017

**Histograms and Normality Tests for All Numeric Variables**

Variable: SUCCESS4

Moments			
N	4962	Sum Weights	4962
Mean	2.63563079	Sum Observations	13078
Std Deviation	0.51332192	Variance	0.26349939
Skewness	-0.9139386	Kurtosis	-0.4098018
Uncorrected SS	35776	Corrected SS	1307.22048
Coeff Variation	19.4762452	Std Error Mean	0.00728721

Basic Statistical Measures			
Location		Variability	
Mean	2.635631	Std Deviation	0.51332
Median	3.000000	Variance	0.26350
Mode	3.000000	Range	2.00000
		Interquartile Range	1.00000

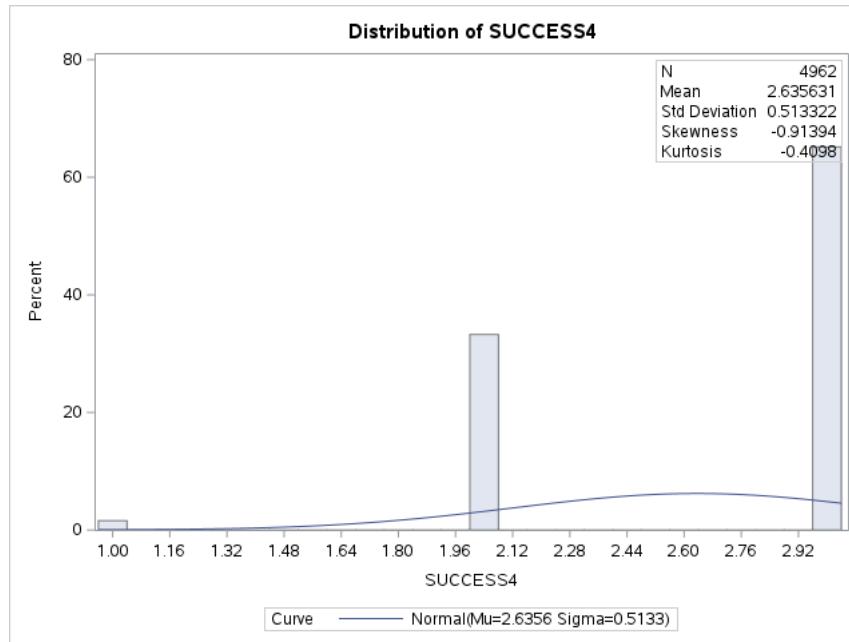
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	361.6789	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.412646	Pr > D <0.0100
Cramer-von Mises	W-Sq	163.1075	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq	900.1534	Pr > A-Sq <0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4856	3	4958
1	4787	3	4959
1	4718	3	4960
1	4606	3	4961
1	4539	3	4962

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SUCCESS4

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.635631
Std Dev	Sigma	0.513322

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.412646	Pr > D <0.010
Cramer-von Mises	W-Sq	163.107469	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	900.153385	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.44147
5.0	2.00000	1.79129
10.0	2.00000	1.97778
25.0	2.00000	2.28940
50.0	3.00000	2.63563
75.0	3.00000	2.98186
90.0	3.00000	3.29348
95.0	3.00000	3.47997
99.0	3.00000	3.82980

**Histograms and Normality Tests for All Numeric Variables**

Variable: SUCCESS7

Moments			
N	4962	Sum Weights	4962
Mean	2.70495768	Sum Observations	13422
Std Deviation	0.51191371	Variance	0.26205564
Skewness	-1.4879271	Kurtosis	1.27470995
Uncorrected SS	37606	Corrected SS	1300.05804
Coeff Variation	18.9250172	Std Error Mean	0.00726722

Basic Statistical Measures			
Location		Variability	
Mean	2.704958	Std Deviation	0.51191
Median	3.000000	Variance	0.26206
Mode	3.000000	Range	2.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	372.2135	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

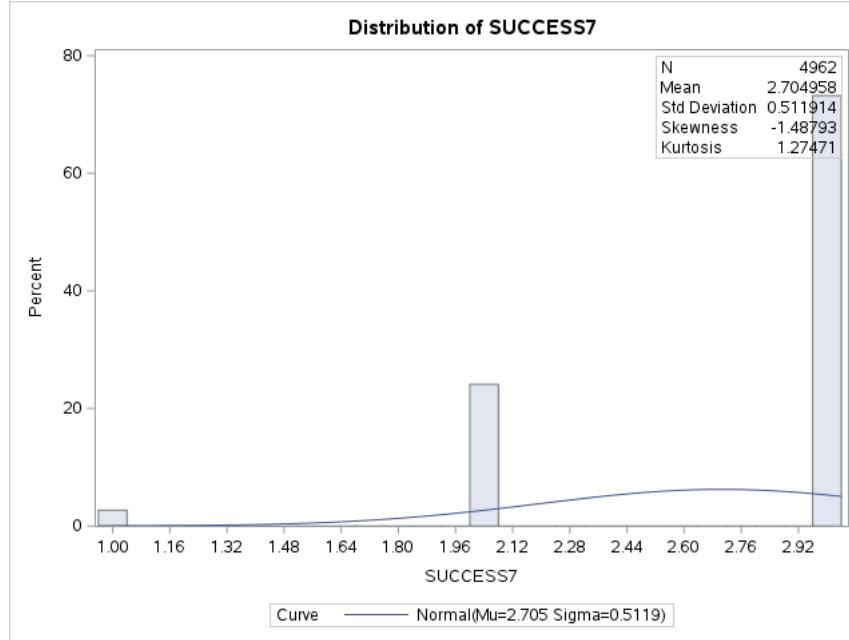
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.449774	Pr > D	<0.0100
Cramer-von Mises	W-Sq	198.2713	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1009.03	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4949	3	4956
1	4935	3	4958
1	4934	3	4959
1	4898	3	4961
1	4879	3	4962

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for SUCCESS7

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.704958
Std Dev	Sigma	0.511914

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.44977	Pr > D	<0.010
Cramer-von Mises	W-Sq	198.27135	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1009.03033	Pr > A-Sq	<0.005

Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.51407
5.0	2.00000	1.86293
10.0	2.00000	2.04891
25.0	2.00000	2.35968
50.0	3.00000	2.70496
75.0	3.00000	3.05024
90.0	3.00000	3.36100
95.0	3.00000	3.54698
99.0	3.00000	3.89585

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS13

Moments			
N	4962	Sum Weights	4962
Mean	3.7458686	Sum Observations	18587
Std Deviation	0.98123292	Variance	0.96281804
Skewness	-0.4734152	Kurtosis	-0.5489803
Uncorrected SS	74401	Corrected SS	4776.54031
Coeff Variation	26.1950705	Std Error Mean	0.01392976

Basic Statistical Measures			
Location		Variability	
Mean	3.745869	Std Deviation	0.98123
Median	4.000000	Variance	0.96282
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

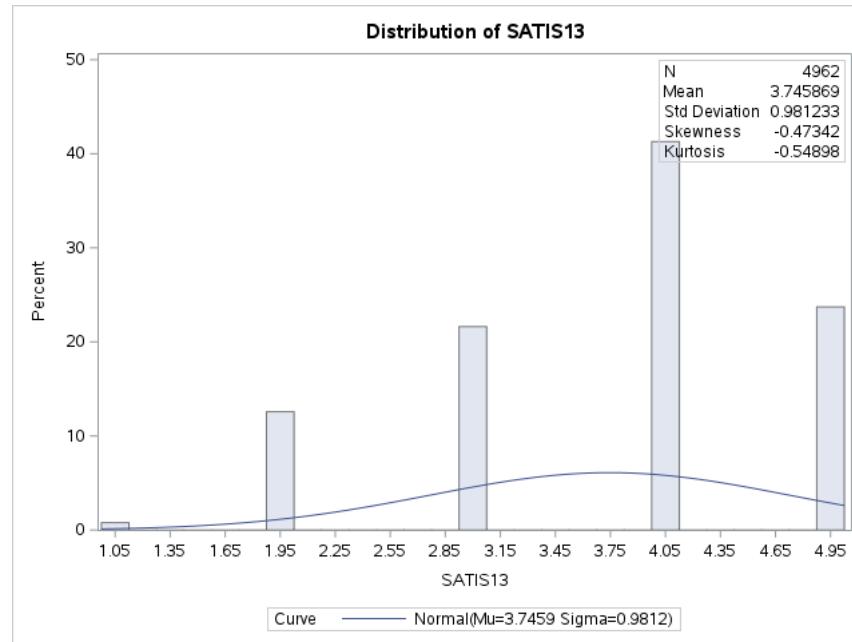
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	268.9111	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.25232	Pr > D	<0.0100
Cramer-von Mises	W-Sq	45.36615	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	256.4006	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4946	5	4945
1	4912	5	4953
1	4718	5	4954
1	4644	5	4960
1	4624	5	4961

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SATIS13

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.745869
Std Dev	Sigma	0.981233

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.252320	Pr > D <0.010
Cramer-von Mises	W-Sq	45.366151	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	256.400577	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	1.46318
5.0	2.00000	2.13188
10.0	2.00000	2.48837
25.0	3.00000	3.08404
50.0	4.00000	3.74587
75.0	4.00000	4.40770
90.0	5.00000	5.00337
95.0	5.00000	5.35985
99.0	5.00000	6.02856

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS01

Moments			
N	4962	Sum Weights	4962
Mean	3.87424426	Sum Observations	19224
Std Deviation	0.79652648	Variance	0.63445443
Skewness	-0.8462113	Kurtosis	1.06494392
Uncorrected SS	77626	Corrected SS	3147.52842
Coeff Variation	20.5595317	Std Error Mean	0.01130764

Basic Statistical Measures			
Location		Variability	
Mean	3.874244	Std Deviation	0.79653
Median	4.000000	Variance	0.63445
Mode	4.000000	Range	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	342.6219	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

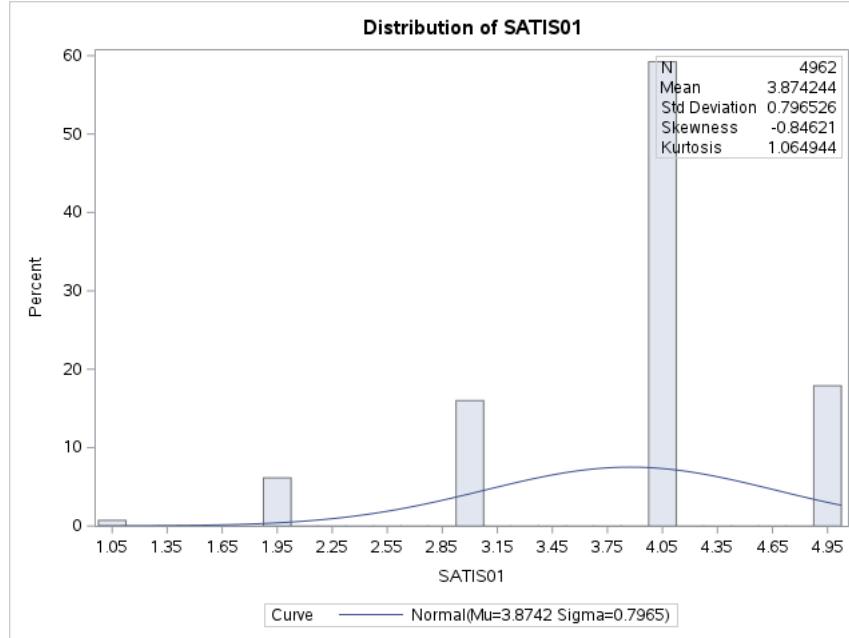
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.333986	Pr > D	<0.0100
Cramer-von Mises	W-Sq	94.76719	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	443.5065	Pr > A-Sq	<0.0050

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%	2
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4949
1	4649	5	4954
1	4564	5	4956
1	4478	5	4960
1	4470	5	4961

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

Fitted Normal Distribution for SATIS01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.874244
Std Dev	Sigma	0.796526

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.333986	Pr > D	<0.010
Cramer-von Mises	W-Sq	94.767193	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	443.506486	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	2.00000	2.02125
5.0	2.00000	2.56407
10.0	3.00000	2.85345
25.0	4.00000	3.33700
50.0	4.00000	3.87424
75.0	4.00000	4.41149
90.0	5.00000	4.89503
95.0	5.00000	5.18441
99.0	5.00000	5.72724

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS02

Moments			
N	4962	Sum Weights	4962
Mean	3.56348247	Sum Observations	17682
Std Deviation	0.97131848	Variance	0.94345959
Skewness	-0.6266817	Kurtosis	0.20733329
Uncorrected SS	67690	Corrected SS	4680.50302
Coeff Variation	27.257563	Std Error Mean	0.01378902

Basic Statistical Measures			
Location		Variability	
Mean	3.563482	Std Deviation	0.97132
Median	4.000000	Variance	0.94346
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

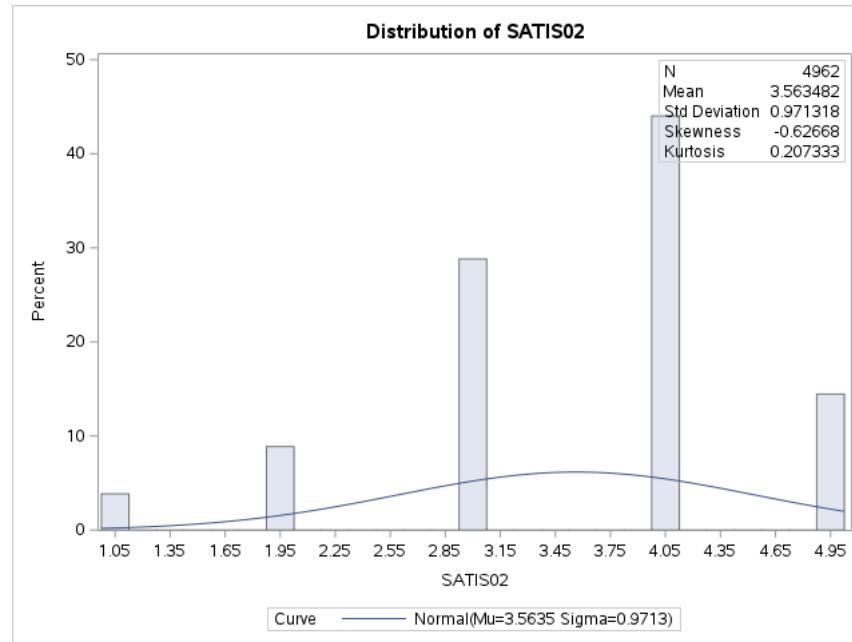
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	258.4291	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.258074	Pr > D	<.0100
Cramer-von Mises	W-Sq	50.42343	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	261.5033	Pr > A-Sq	<.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4954	5	4932
1	4912	5	4938
1	4875	5	4945
1	4867	5	4949
1	4842	5	4960

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SATIS02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.563482
Std Dev	Sigma	0.971318

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.258074	Pr > D <0.010
Cramer-von Mises	W-Sq	50.423425	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	261.503305	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.30386
5.0	2.00000	1.96581
10.0	2.00000	2.31869
25.0	3.00000	2.90834
50.0	4.00000	3.56348
75.0	4.00000	4.21863
90.0	5.00000	4.80828
95.0	5.00000	5.16116
99.0	5.00000	5.82311

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS07

Moments			
N	4962	Sum Weights	4962
Mean	4.08424023	Sum Observations	20266
Std Deviation	0.73317829	Variance	0.53755041
Skewness	-0.6758544	Kurtosis	0.76777578
Uncorrected SS	85438	Corrected SS	2666.78759
Coeff Variation	17.9513998	Std Error Mean	0.01040833

Basic Statistical Measures			
Location		Variability	
Mean	4.084240	Std Deviation	0.73318
Median	4.000000	Variance	0.53755
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t 392.401	Pr >  t	<.0001
Sign	M 2481	Pr >=  M	<.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

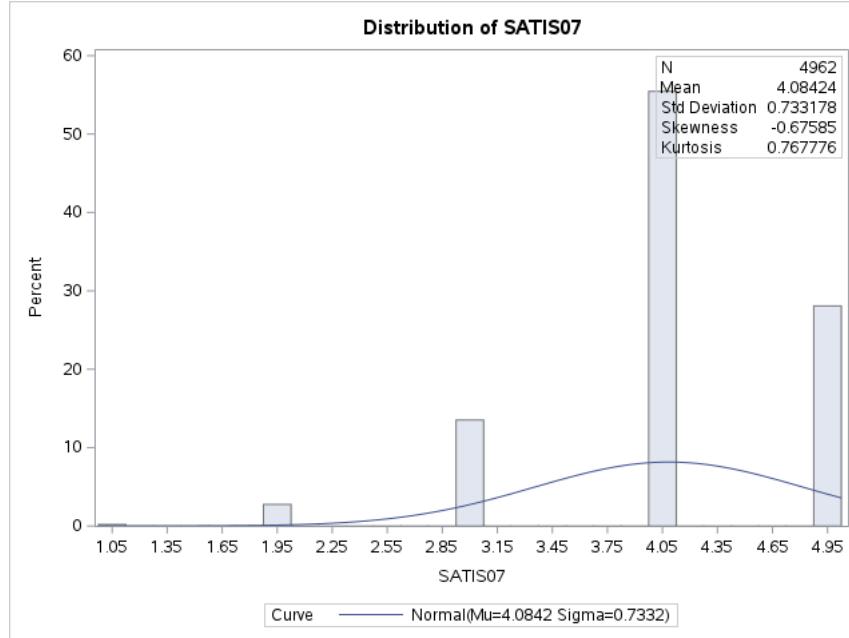
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.28941	Pr > D	<0.0100
Cramer-von Mises	W-Sq	83.25508	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	424.9745	Pr > A-Sq	<0.0050

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	4718	5	4945
1	4419	5	4949
1	4303	5	4953
1	4148	5	4956
1	3131	5	4961

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for SATIS07

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.08424
Std Dev	Sigma	0.733178

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.289410	Pr > D	<0.010
Cramer-von Mises	W-Sq	83.255083	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	424.974524	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Observed	Estimated
1.0	2.00000	2.37861
5.0	3.00000	2.87827
10.0	3.00000	3.14463
25.0	4.00000	3.58972
50.0	4.00000	4.08424
75.0	5.00000	4.57876
90.0	5.00000	5.02385
95.0	5.00000	5.29021
99.0	5.00000	5.78987

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS15

Moments			
N	4962	Sum Weights	4962
Mean	3.6311971	Sum Observations	18018
Std Deviation	0.99130372	Variance	0.98268307
Skewness	-0.4453242	Kurtosis	-0.5118615
Uncorrected SS	70302	Corrected SS	4875.09069
Coeff Variation	27.2996396	Std Error Mean	0.01407273

Basic Statistical Measures			
Location	Variability		
Mean	3.631197	Std Deviation	0.99130
Median	4.000000	Variance	0.98268
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

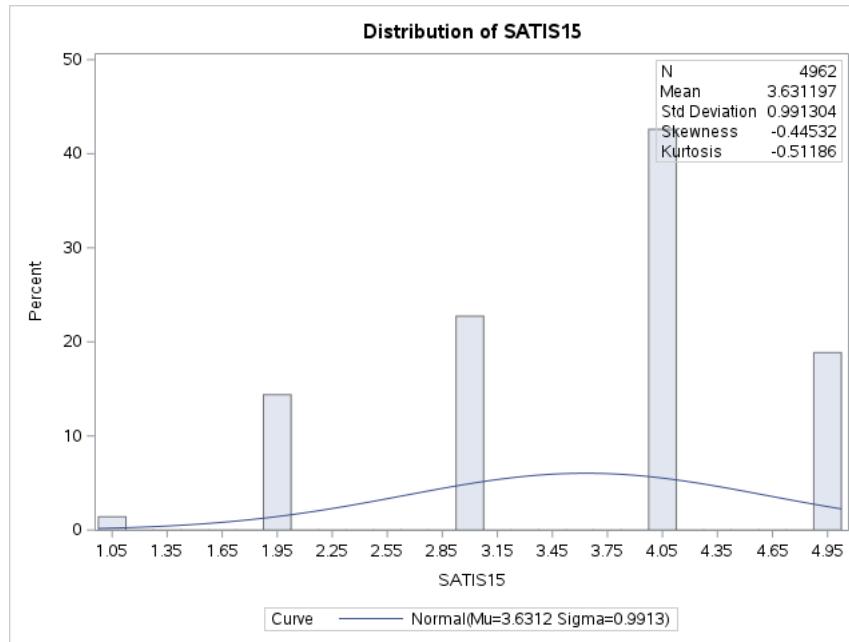
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t 258.0308	Pr >  t	<.0001
Sign	M 2481	Pr >=  M	<.0001
Signed Rank	S 6156602	Pr >=  S	<.0001

Tests for Normality			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D 0.259739	Pr > D	<0.0100
Cramer-von Mises	W-Sq 46.59695	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq 253.5072	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4912	5	4932
1	4889	5	4949
1	4859	5	4956
1	4825	5	4958
1	4815	5	4960

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables****Fitted Normal Distribution for SATIS15**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.631197
Std Dev	Sigma	0.991304

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.259739	Pr > D <0.010
Cramer-von Mises	W-Sq	46.596955	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	253.507217	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.32508
5.0	2.00000	2.00065
10.0	2.00000	2.36079
25.0	3.00000	2.96257
50.0	4.00000	3.63120
75.0	4.00000	4.29982
90.0	5.00000	4.90160
95.0	5.00000	5.26175
99.0	5.00000	5.93731

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS25

Moments			
N	4962	Sum Weights	4962
Mean	3.91596131	Sum Observations	19431
Std Deviation	1.00632507	Variance	1.01269016
Skewness	-1.1040308	Kurtosis	1.12965329
Uncorrected SS	81115	Corrected SS	5023.95586
Coeff Variation	25.6980342	Std Error Mean	0.01428598

Basic Statistical Measures			
Location		Variability	
Mean	3.915961	Std Deviation	1.00633
Median	4.000000	Variance	1.01269
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	274.1123	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

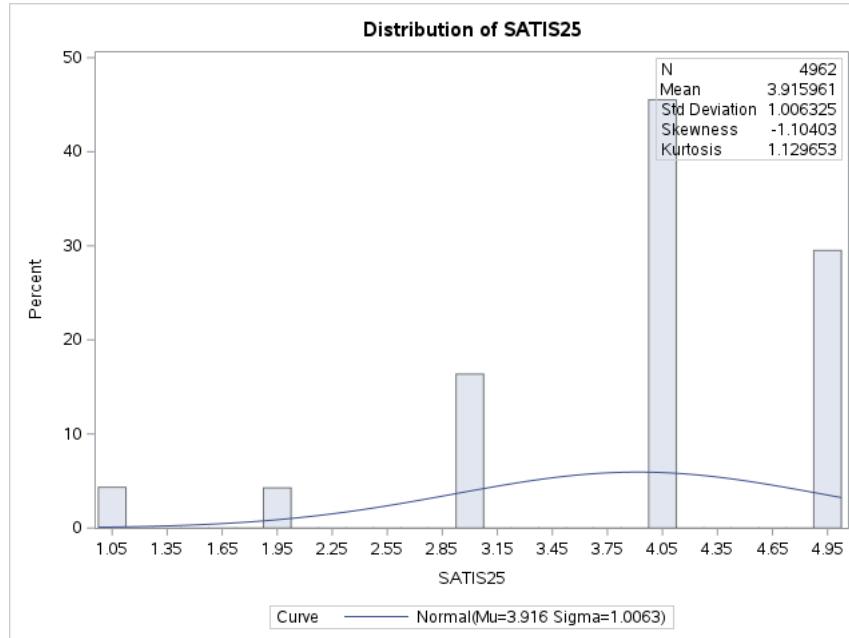
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.283579	Pr > D	<0.0100
Cramer-von Mises	W-Sq	59.16486	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	323.1289	Pr > A-Sq	<0.0050

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%	2
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4936	5	4954
1	4935	5	4955
1	4927	5	4958
1	4925	5	4960
1	4918	5	4961

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for SATIS25

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.915961
Std Dev	Sigma	1.006325

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.283579	Pr > D	<0.010
Cramer-von Mises	W-Sq	59.16486	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	323.128926	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	1.57490
5.0	2.00000	2.26070
10.0	3.00000	2.62630
25.0	4.00000	3.23721
50.0	4.00000	3.91596
75.0	5.00000	4.59472
90.0	5.00000	5.20562
95.0	5.00000	5.57122
99.0	5.00000	6.25702

**Histograms and Normality Tests for All Numeric Variables**

Variable: SATIS28

Moments			
N	4962	Sum Weights	4962
Mean	4.16525595	Sum Observations	20668
Std Deviation	0.75213733	Variance	0.56571057
Skewness	-0.8188383	Kurtosis	0.89322384
Uncorrected SS	88894	Corrected SS	2806.49012
Coeff Variation	18.0574097	Std Error Mean	0.01067748

Basic Statistical Measures			
Location		Variability	
Mean	4.165256	Std Deviation	0.75214
Median	4.000000	Variance	0.56571
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

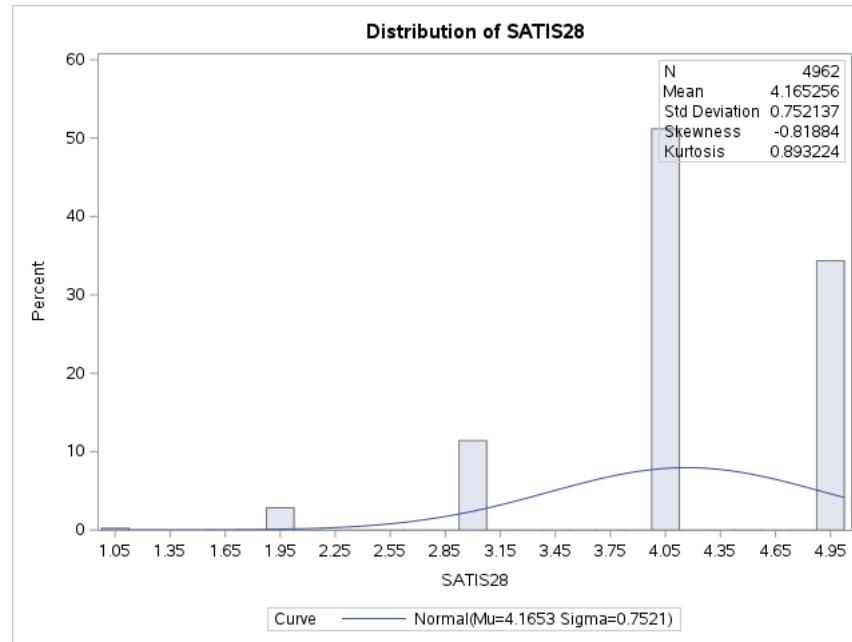
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	390.0973	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.268145	Pr > D	<.0100
Cramer-von Mises	W-Sq	76.08305	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	414.8484	Pr > A-Sq	<.0050

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	4718	5	4953
1	4624	5	4954
1	4148	5	4958
1	4120	5	4960
1	4057	5	4961

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SATIS28

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.165256
Std Dev	Sigma	0.752137

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.268145	Pr > D <0.010
Cramer-von Mises	W-Sq	76.083051	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	414.848390	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.41552
5.0	3.00000	2.92810
10.0	3.00000	3.20135
25.0	4.00000	3.65795
50.0	4.00000	4.16526
75.0	5.00000	4.67256
90.0	5.00000	5.12916
95.0	5.00000	5.40241
99.0	5.00000	5.91499

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSRAT16

Moments			
N	4962	Sum Weights	4962
Mean	3.69447803	Sum Observations	18332
Std Deviation	0.86440376	Variance	0.74719385
Skewness	-0.2712969	Kurtosis	-0.2672611
Uncorrected SS	71434	Corrected SS	3706.8287
Coeff Variation	23.3971822	Std Error Mean	0.01227123

Basic Statistical Measures			
Location		Variability	
Mean	3.694478	Std Deviation	0.86440
Median	4.000000	Variance	0.74719
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	301.0682	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

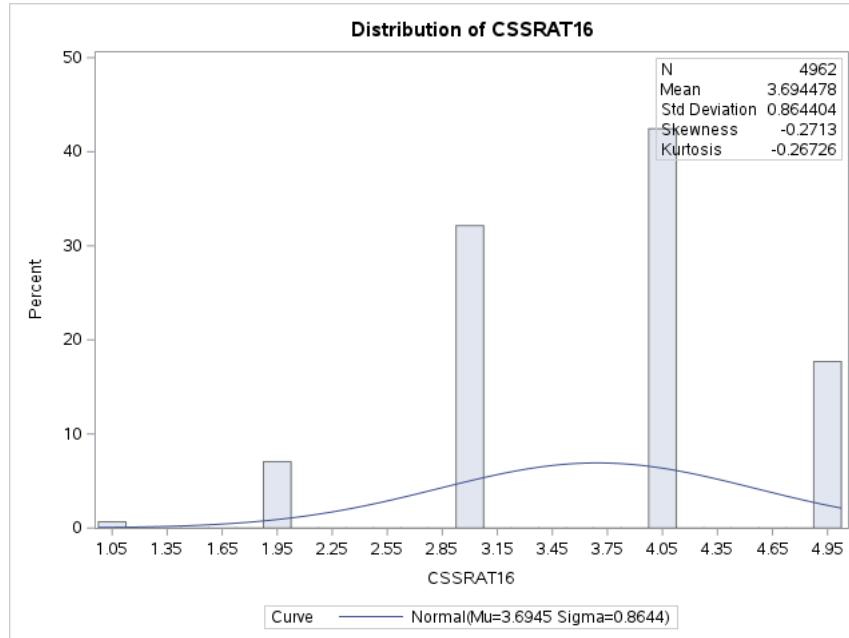
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.239494	Pr > D	<0.0100
Cramer-von Mises	W-Sq	51.08228	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	275.6427	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	5	4951
1	4625	5	4955
1	4539	5	4956
1	4516	5	4959
1	4357	5	4960

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for CSSRAT16

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.694478
Std Dev	Sigma	0.864404

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.239494	Pr > D	<0.010
Cramer-von Mises	W-Sq	51.08229	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	275.642699	Pr > A-Sq	<0.005

Percent	Quantile	
	Observed	Estimated
1.0	2.00000	1.68357
5.0	2.00000	2.27266
10.0	3.00000	2.58670
25.0	3.00000	3.11145
50.0	4.00000	3.69448
75.0	4.00000	4.27751
90.0	5.00000	4.80226
95.0	5.00000	5.11630
99.0	5.00000	5.70538

**Histograms and Normality Tests for All Numeric Variables**

Variable: GENACT05

Moments			
N	4962	Sum Weights	4962
Mean	2.29725917	Sum Observations	11399
Std Deviation	0.59095902	Variance	0.34923256
Skewness	-0.1957871	Kurtosis	-0.5992209
Uncorrected SS	27919	Corrected SS	1732.54272
Coeff Variation	25.7245253	Std Error Mean	0.00838936

Basic Statistical Measures			
Location		Variability	
Mean	2.297259	Std Deviation	0.59096
Median	2.000000	Variance	0.34923
Mode	2.000000	Range	2.00000
		Interquartile Range	1.00000

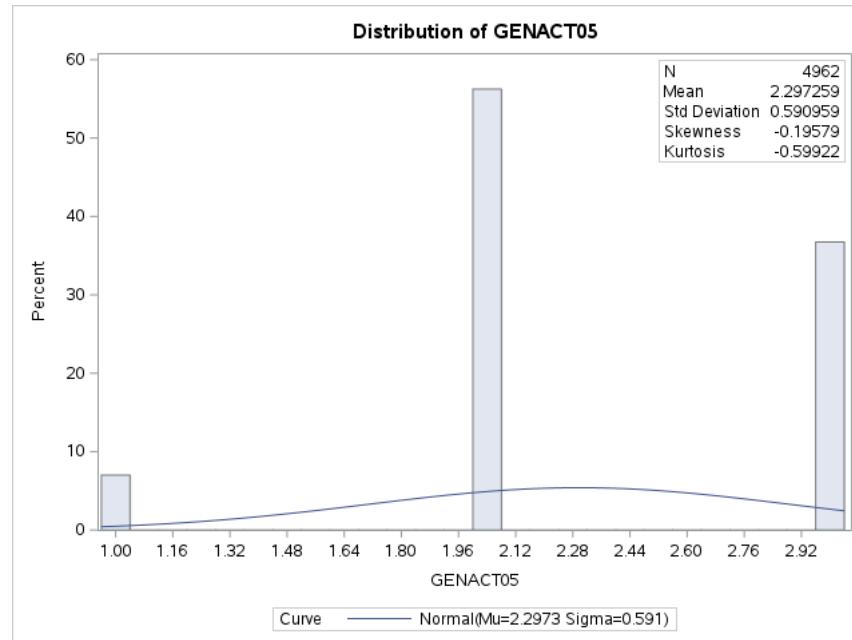
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	273.83	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.32513	Pr > D	<0.0100
Cramer-von Mises	W-Sq	107.8257	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	601.8799	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4954	3	4952
1	4933	3	4956
1	4920	3	4958
1	4882	3	4959
1	4852	3	4960

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for GENACT05

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.297259
Std Dev	Sigma	0.590959

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.325130	Pr > D <0.010
Cramer-von Mises	W-Sq	107.825739	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	601.879856	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.92248
5.0	1.00000	1.32522
10.0	2.00000	1.53991
25.0	2.00000	1.89866
50.0	2.00000	2.29726
75.0	3.00000	2.69585
90.0	3.00000	3.05460
95.0	3.00000	3.26930
99.0	3.00000	3.67204

**Histograms and Normality Tests for All Numeric Variables**

Variable: COLACT19

Moments			
N	4962	Sum Weights	4962
Mean	1.01894397	Sum Observations	5056
Std Deviation	0.13634092	Variance	0.01858885
Skewness	7.05950939	Kurtosis	47.8559616
Uncorrected SS	5244	Corrected SS	92.2192664
Coeff Variation	13.38061	Std Error Mean	0.00193552

Basic Statistical Measures			
Location		Variability	
Mean	1.018944	Std Deviation	0.13634
Median	1.000000	Variance	0.01859
Mode	1.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	526.4443	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

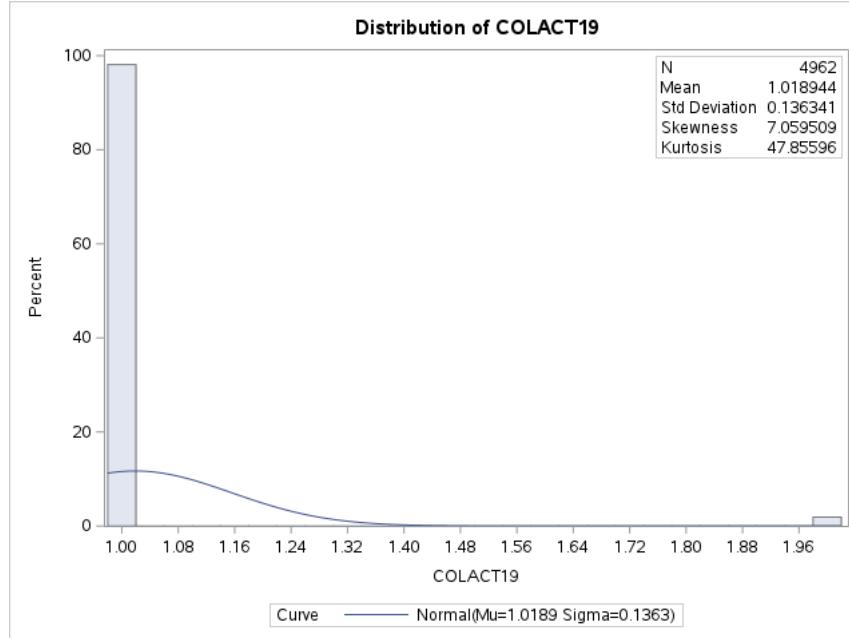
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.536309	Pr > D	<0.0100
Cramer-von Mises	W-Sq	400.65667	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1877.112	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2
99%	2
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	4962	2	4865
1	4961	2	4907
1	4960	2	4908
1	4959	2	4911
1	4958	2	4937

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for COLACT19

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.018944
Std Dev	Sigma	0.136341

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.53631	Pr > D	<0.010
Cramer-von Mises	W-Sq	400.65666	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1877.1123	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	0.70177
5.0	1.00000	0.79468
10.0	1.00000	0.84422
25.0	1.00000	0.92698
50.0	1.00000	1.01894
75.0	1.00000	1.11090
90.0	1.00000	1.19367
95.0	1.00000	1.24320
99.0	2.00000	1.33612

**Histograms and Normality Tests for All Numeric Variables**

Variable: COLACT11

Moments			
N	4962	Sum Weights	4962
Mean	1.48186215	Sum Observations	7353
Std Deviation	0.49972127	Variance	0.24972135
Skewness	0.07262113	Kurtosis	-1.9955307
Uncorrected SS	12135	Corrected SS	1238.86759
Coeff Variation	33.7225205	Std Error Mean	0.00709414

Basic Statistical Measures			
Location		Variability	
Mean	1.481862	Std Deviation	0.49972
Median	1.000000	Variance	0.24972
Mode	1.000000	Range	1.00000
		Interquartile Range	1.00000

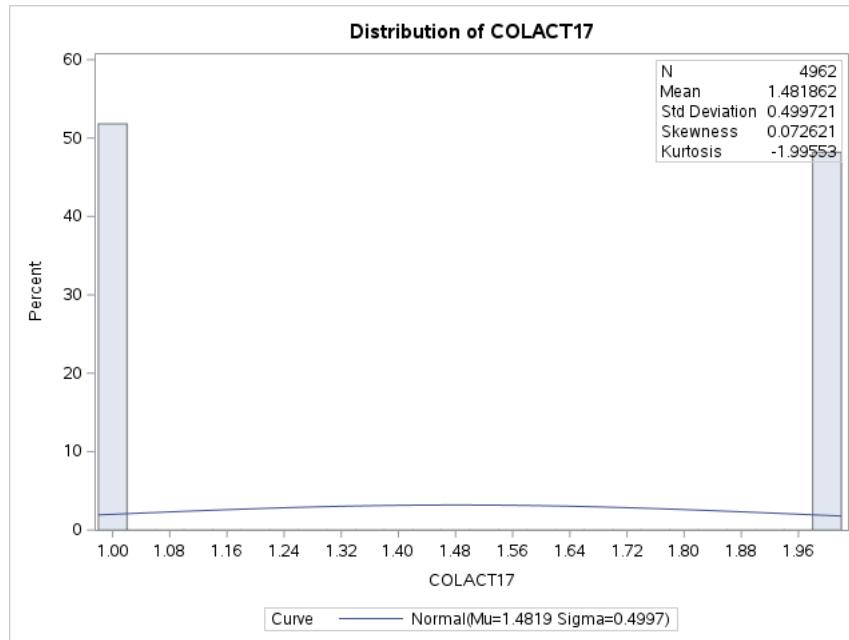
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	208.8855	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.350681	Pr > D	<.0100
Cramer-von Mises	W-Sq	145.1732	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	892.7837	Pr > A-Sq	<.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4962	2	4947
1	4961	2	4949
1	4958	2	4955
1	4957	2	4959
1	4956	2	4960

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for COLACT17

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.481862
Std Dev	Sigma	0.499721

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.350681	Pr > D <0.010
Cramer-von Mises	W-Sq	145.173208	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	892.783705	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	0.31934
5.0	1.00000	0.65989
10.0	1.00000	0.84144
25.0	1.00000	1.14481
50.0	1.00000	1.48186
75.0	2.00000	1.81892
90.0	2.00000	2.12228
95.0	2.00000	2.30383
99.0	2.00000	2.64439

**Histograms and Normality Tests for All Numeric Variables**

Variable: FATHEDUC

Moments			
N	4962	Sum Weights	4962
Mean	5.5719468	Sum Observations	27648
Std Deviation	1.9952986	Variance	3.98121649
Skewness	-0.405292	Kurtosis	-0.8059739
Uncorrected SS	173804	Corrected SS	19750.815
Coeff Variation	35.8097209	Std Error Mean	0.02832563

Basic Statistical Measures			
Location		Variability	
Mean	5.571947	Std Deviation	1.99530
Median	6.000000	Variance	3.98122
Mode	6.000000	Range	7.00000
		Interquartile Range	4.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	196.7105	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

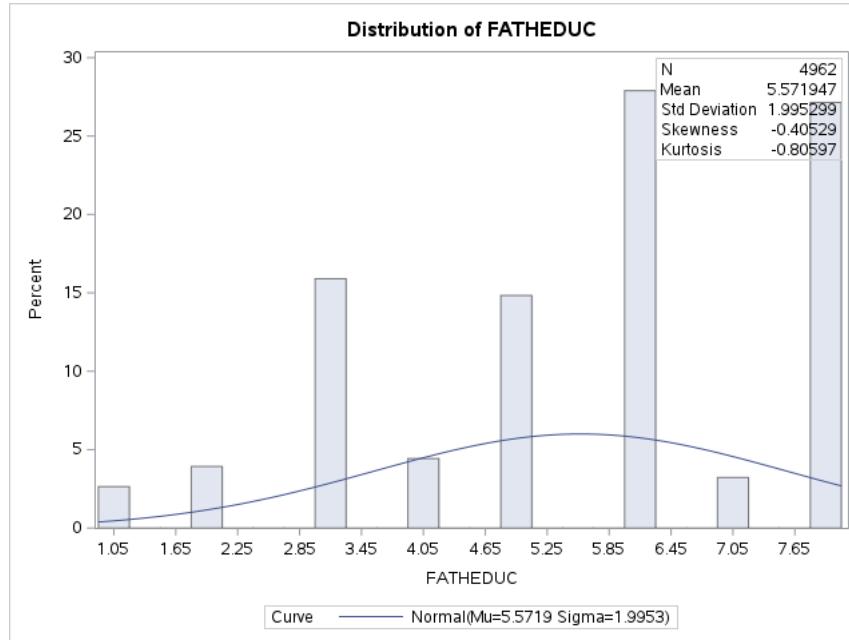
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.167561	Pr > D	<0.0100
Cramer-von Mises	W-Sq	25.97557	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	176.9834	Pr > A-Sq	<0.0050

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	4959	8	4944
1	4952	8	4953
1	4889	8	4955
1	4874	8	4956
1	4842	8	4958

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for FATHEDUC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.571947
Std Dev	Sigma	1.995299

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.167561	Pr > D	<0.010
Cramer-von Mises	W-Sq	25.97557	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	176.983449	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	0.93019
5.0	2.00000	2.28997
10.0	3.00000	3.01487
25.0	4.00000	4.22614
50.0	6.00000	5.57195
75.0	8.00000	6.91776
90.0	8.00000	8.12902
95.0	8.00000	8.85392
99.0	8.00000	10.21371

**Histograms and Normality Tests for All Numeric Variables**

Variable: MOTHEDUC

Moments			
N	4962	Sum Weights	4962
Mean	5.33333333	Sum Observations	26464
Std Deviation	1.84452461	Variance	3.40227105
Skewness	-0.3038648	Kurtosis	-0.6404932
Uncorrected SS	158020	Corrected SS	16878.6667
Coeff Variation	34.5848365	Std Error Mean	0.02618521

Basic Statistical Measures			
Location		Variability	
Mean	5.333333	Std Deviation	1.84452
Median	6.000000	Variance	3.40227
Mode	6.000000	Range	7.00000
		Interquartile Range	2.00000

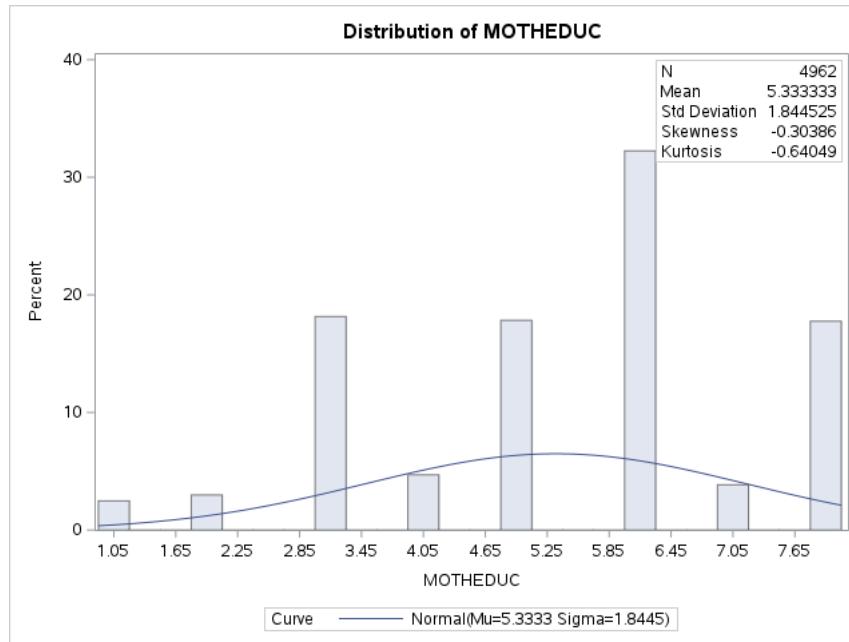
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	203.6773	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.179604	Pr > D	<0.0100
Cramer-von Mises	W-Sq	26.39233	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	158.0677	Pr > A-Sq	<0.0050

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	4952	8	4942
1	4949	8	4954
1	4874	8	4957
1	4857	8	4958
1	4814	8	4960

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for MOTHEDUC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.333333
Std Dev	Sigma	1.844525

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.179604	Pr > D <0.010
Cramer-von Mises	W-Sq	26.392332	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	158.067702	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.04233
5.0	2.00000	2.29936
10.0	3.00000	2.96948
25.0	4.00000	4.08922
50.0	6.00000	5.333333
75.0	6.00000	6.57745
90.0	8.00000	7.69719
95.0	8.00000	8.36731
99.0	8.00000	9.62434

**Histograms and Normality Tests for All Numeric Variables**

Variable: RACEGROUP

Moments			
N	4962	Sum Weights	4962
Mean	1.91132608	Sum Observations	9484
Std Deviation	1.24720881	Variance	1.55552983
Skewness	1.08913333	Kurtosis	-0.1166009
Uncorrected SS	25844	Corrected SS	7716.98347
Coeff Variation	65.2535864	Std Error Mean	0.01770561

Basic Statistical Measures			
Location		Variability	
Mean	1.911326	Std Deviation	1.24721
Median	1.000000	Variance	1.55553
Mode	1.000000	Range	4.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	107.9503	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

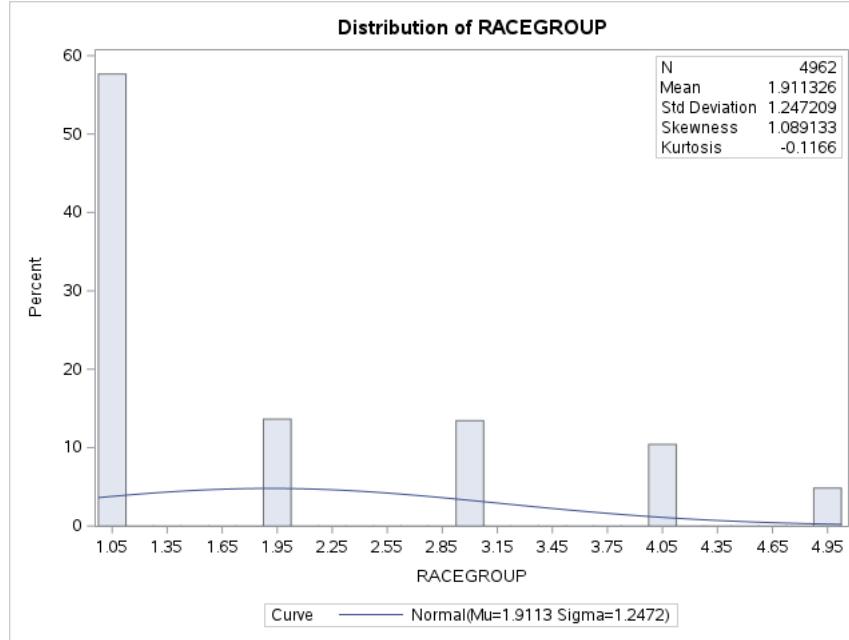
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.344099	Pr > D	<0.0100
Cramer-von Mises	W-Sq	102.0126	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	570.2534	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	5
99%	5
95%	4
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	4958	5	4833
1	4953	5	4850
1	4951	5	4854
1	4950	5	4894
1	4949	5	4931

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for RACEGROUP

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.911326
Std Dev	Sigma	1.247209

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.344099	Pr > D	<0.010
Cramer-von Mises	W-Sq	102.012638	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	570.253369	Pr > A-Sq	<0.005

Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-0.99012
5.0	1.00000	-0.14015
10.0	1.00000	0.31296
25.0	1.00000	1.07010
50.0	1.00000	1.91133
75.0	3.00000	2.75256
90.0	4.00000	3.50969
95.0	4.00000	3.96280
99.0	5.00000	4.81277

**Histograms and Normality Tests for All Numeric Variables**

Variable: UndrRepStud\_RC

Moments			
N	4962	Sum Weights	4962
Mean	0.28617493	Sum Observations	1420
Std Deviation	0.45201772	Variance	0.20432002
Skewness	0.94647304	Kurtosis	-1.1046342
Uncorrected SS	1420	Corrected SS	1013.6316
Coeff Variation	157.951543	Std Error Mean	0.00641693

Basic Statistical Measures			
Location		Variability	
Mean	0.286175	Std Deviation	0.45202
Median	0.000000	Variance	0.20432
Mode	0.000000	Range	1.00000
		Interquartile Range	1.00000

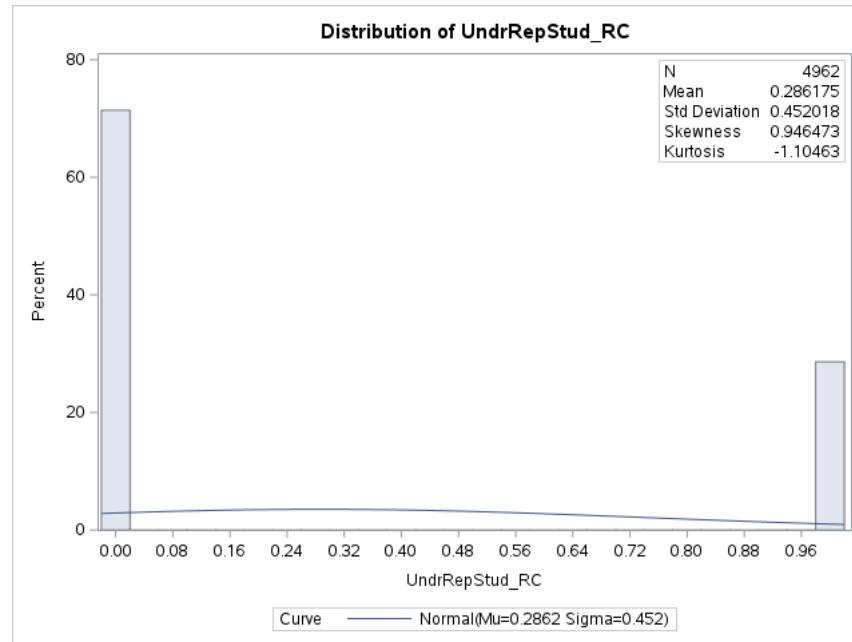
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	44.59688	Pr >  t	<.0001
Sign	M	710	Pr >=  M	<.0001
Signed Rank	S	504455	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.450493	Pr > D	<0.0100
Cramer-von Mises	W-Sq	201.5984	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1110.276	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	4962	1	4956
0	4958	1	4957
0	4955	1	4959
0	4954	1	4960
0	4953	1	4961

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for UndrRepStud\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.286175
Std Dev	Sigma	0.452018

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.45049	Pr > D <0.010
Cramer-von Mises	W-Sq	201.59845	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1110.27638	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.76538
5.0	0.00000	-0.45733
10.0	0.00000	-0.29311
25.0	0.00000	-0.01871
50.0	0.00000	0.28617
75.0	1.00000	0.59106
90.0	1.00000	0.86546
95.0	1.00000	1.02968
99.0	1.00000	1.33773

**Histograms and Normality Tests for All Numeric Variables**

Variable: FINCON\_RC

Moments			
N	4962	Sum Weights	4962
Mean	0.80874647	Sum Observations	4013
Std Deviation	0.64243232	Variance	0.41271929
Skewness	0.19811188	Kurtosis	-0.6650523
Uncorrected SS	5293	Corrected SS	2047.5004
Coeff Variation	79.4355642	Std Error Mean	0.00912009

Basic Statistical Measures			
Location		Variability	
Mean	0.808746	Std Deviation	0.64243
Median	1.000000	Variance	0.41272
Mode	1.000000	Range	2.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	88.67749	Pr >  t  <.0001
Sign	M	1686.5	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

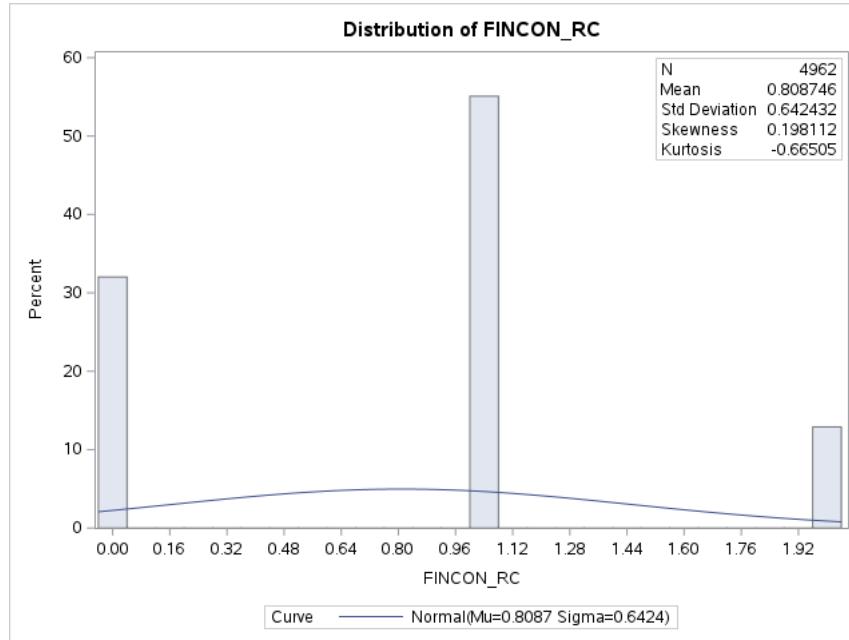
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	2845126	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.296801	Pr > D	<0.0100
Cramer-von Mises	W-Sq	90.4898	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	499.4585	Pr > A-Sq	<0.0050

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	4944	2	4947
0	4943	2	4948
0	4942	2	4951
0	4938	2	4957
0	4936	2	4959

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for FINCON\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.808746
Std Dev	Sigma	0.642432

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.296801	Pr > D	<0.010
Cramer-von Mises	W-Sq	90.489801	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	499.458523	Pr > A-Sq	<0.005

Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.68577
5.0	0.00000	-0.24796
10.0	0.00000	-0.01456
25.0	0.00000	0.37543
50.0	1.00000	0.80875
75.0	1.00000	1.24206
90.0	2.00000	1.63206
95.0	2.00000	1.86545
99.0	2.00000	2.30327

**Histograms and Normality Tests for All Numeric Variables**

Variable: FirstGen\_RC

Moments			
N	4962	Sum Weights	4962
Mean	0.66364369	Sum Observations	3293
Std Deviation	0.47251004	Variance	0.22326574
Skewness	-0.6929363	Kurtosis	-1.5204523
Uncorrected SS	3293	Corrected SS	1107.62132
Coeff Variation	71.1993567	Std Error Mean	0.00670784

Basic Statistical Measures			
Location		Variability	
Mean	0.663644	Std Deviation	0.47251
Median	1.000000	Variance	0.22327
Mode	1.000000	Range	1.00000
		Interquartile Range	1.00000

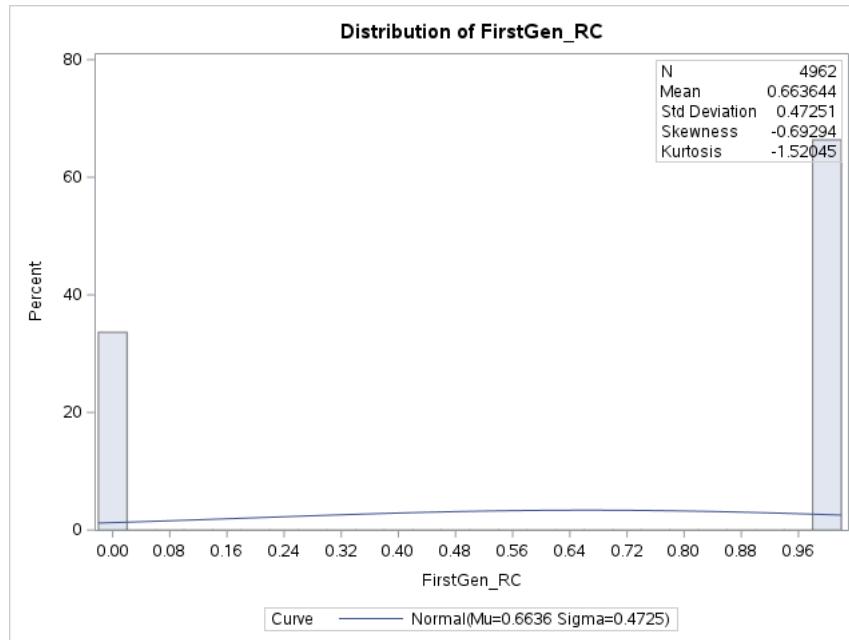
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	98.93554	Pr >  t  <.0001
Sign	M	1646.5	Pr >=  M  <.0001
Signed Rank	S	2711786	Pr >=  S  <.0001

Tests for Normality			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.425365	Pr > D <0.0100
Cramer-von Mises	W-Sq	178.3618	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq	1019.33	Pr > A-Sq <0.0050

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	4960	1	4951
0	4958	1	4952
0	4957	1	4959
0	4956	1	4961
0	4955	1	4962

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for FirstGen\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.663644
Std Dev	Sigma	0.47251

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.42536	Pr > D <0.010
Cramer-von Mises	W-Sq	178.36183	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1019.33049	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	0.00000	-0.43558
5.0	0.00000	-0.11357
10.0	0.00000	0.05810
25.0	0.00000	0.34494
50.0	1.00000	0.66364
75.0	1.00000	0.98235
90.0	1.00000	1.26919
95.0	1.00000	1.44085
99.0	1.00000	1.76287

**Histograms and Normality Tests for All Numeric Variables**

Variable: INCOME

Moments			
N	4962	Sum Weights	4962
Mean	9.31459089	Sum Observations	46219
Std Deviation	3.11442482	Variance	9.69964193
Skewness	-0.6285602	Kurtosis	-0.1509742
Uncorrected SS	478631	Corrected SS	48119.9236
Coeff Variation	33.4359807	Std Error Mean	0.04421295

Basic Statistical Measures			
Location		Variability	
Mean	9.31459	Std Deviation	3.11442
Median	10.00000	Variance	9.69964
Mode	11.00000	Range	13.00000
		Interquartile Range	5.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	210.6756	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

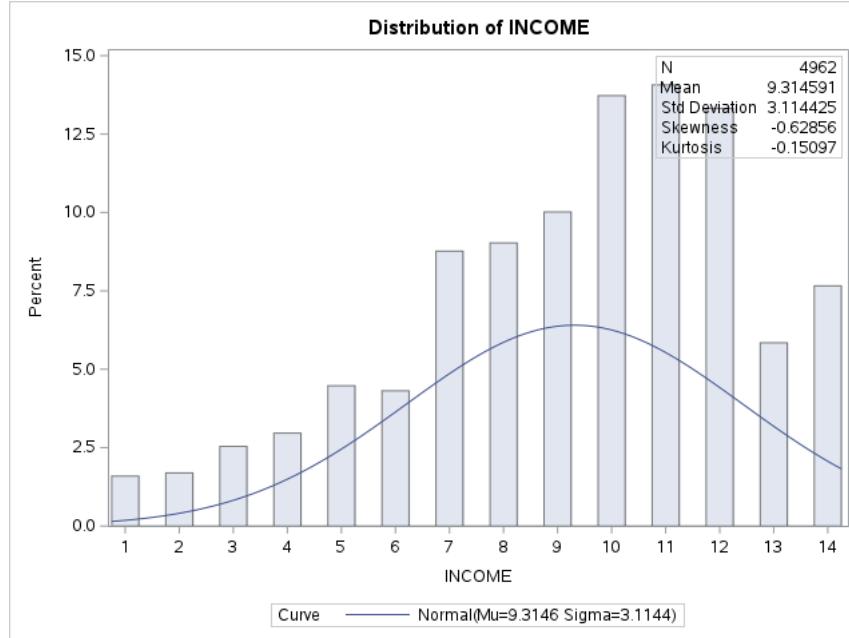
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.133245	Pr > D	<0.0100
Cramer-von Mises	W-Sq	11.5040010	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	69.7957735	Pr > A-Sq	<0.0050

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	4931	14	4915
1	4889	14	4920
1	4775	14	4929
1	4757	14	4935
1	4732	14	4962

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for INCOME

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	9.314591
Std Dev	Sigma	3.114425

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.1332446	Pr > D	<0.010
Cramer-von Mises	W-Sq	11.5040010	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	69.7957735	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	2.06936
5.0	3.00000	4.19182
10.0	5.00000	5.32329
25.0	7.00000	7.21394
50.0	10.00000	9.31459
75.0	12.00000	11.41524
90.0	13.00000	13.30589
95.0	14.00000	14.43736
99.0	14.00000	16.55983

**Histograms and Normality Tests for All Numeric Variables**

Variable: HSGPA

Moments			
N	4962	Sum Weights	4962
Mean	6.56025796	Sum Observations	32552
Std Deviation	1.33687584	Variance	1.78723702
Skewness	-0.8769944	Kurtosis	0.49260984
Uncorrected SS	222416	Corrected SS	8866.48287
Coeff Variation	20.3784036	Std Error Mean	0.01897854

Basic Statistical Measures			
Location		Variability	
Mean	6.560258	Std Deviation	1.33688
Median	7.000000	Variance	1.78724
Mode	8.000000	Range	7.00000
		Interquartile Range	2.00000

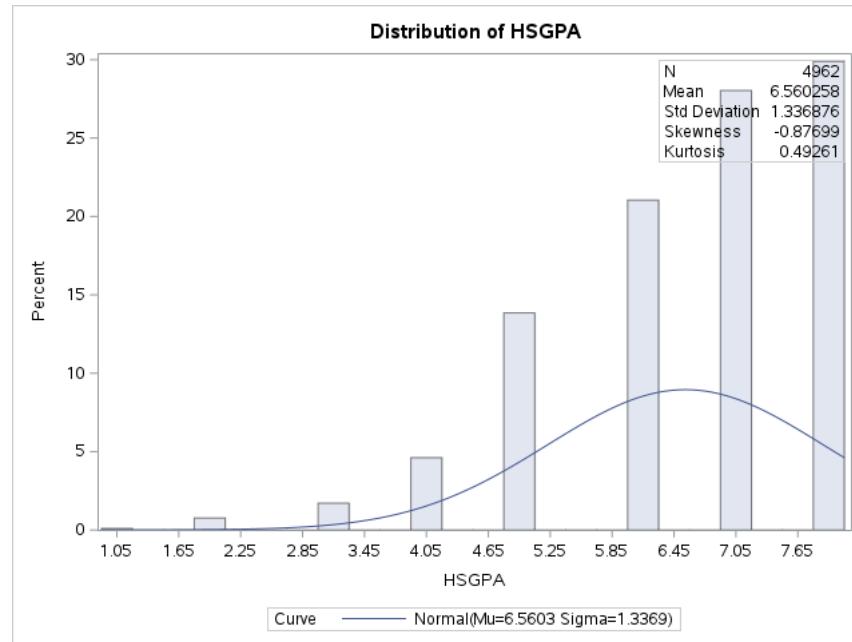
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	345.6672	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.208099	Pr > D	<.0100
Cramer-von Mises	W-Sq	32.55729	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	202.5997	Pr > A-Sq	<.0050

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	589	8	4940
1	491	8	4949
1	489	8	4950
1	208	8	4957
1	108	8	4958

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for HSGPA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	6.560258
Std Dev	Sigma	1.336876

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D 0.208099	Pr > D	<0.010
Cramer-von Mises	W-Sq 32.557292	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq 202.599697	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.45022
5.0	4.00000	4.36129
10.0	5.00000	4.84698
25.0	6.00000	5.65855
50.0	7.00000	6.56026
75.0	8.00000	7.46197
90.0	8.00000	8.27353
95.0	8.00000	8.75922
99.0	8.00000	9.67030

**Histograms and Normality Tests for All Numeric Variables**

Variable: CITIZEN

Moments			
N	4962	Sum Weights	4962
Mean	1.93288996	Sum Observations	9591
Std Deviation	0.25023769	Variance	0.0626189
Skewness	-3.4612254	Kurtosis	9.98410536
Uncorrected SS	18849	Corrected SS	310.652358
Coeff Variation	12.9462975	Std Error Mean	0.00355242

Basic Statistical Measures			
Location		Variability	
Mean	1.932890	Std Deviation	0.25024
Median	2.000000	Variance	0.06262
Mode	2.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t 544.1051	Pr >  t	<.0001
Sign	M 2481	Pr >=  M	<.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

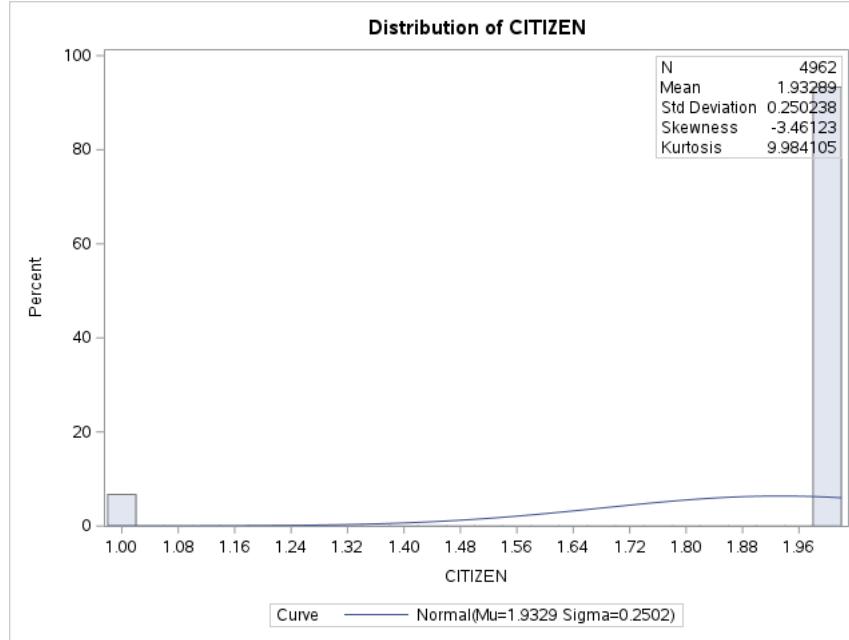
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.538612	Pr > D	<0.0100
Cramer-von Mises	W-Sq	360.3176	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1740.186	Pr > A-Sq	<0.0050

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	4961	2	4957
1	4951	2	4958
1	4949	2	4959
1	4948	2	4960
1	4946	2	4962

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

Fitted Normal Distribution for CITIZEN

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.93289
Std Dev	Sigma	0.250238

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.53861	Pr > D	<0.010
Cramer-von Mises	W-Sq	360.3176	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1740.1857	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	1.35075
5.0	1.00000	1.52129
10.0	2.00000	1.61220
25.0	2.00000	1.76411
50.0	2.00000	1.93289
75.0	2.00000	2.10167
90.0	2.00000	2.25358
95.0	2.00000	2.34449
99.0	2.00000	2.51503

**Histograms and Normality Tests for All Numeric Variables**

Variable: PLANLIVE

Moments			
N	4962	Sum Weights	4962
Mean	2.84240226	Sum Observations	14104
Std Deviation	0.61995939	Variance	0.38434964
Skewness	-1.6951703	Kurtosis	5.73626907
Uncorrected SS	41996	Corrected SS	1906.75857
Coeff Variation	21.8111066	Std Error Mean	0.00880106

Basic Statistical Measures			
Location		Variability	
Mean	2.842402	Std Deviation	0.61996
Median	3.000000	Variance	0.38435
Mode	3.000000	Range	5.00000
		Interquartile Range	0

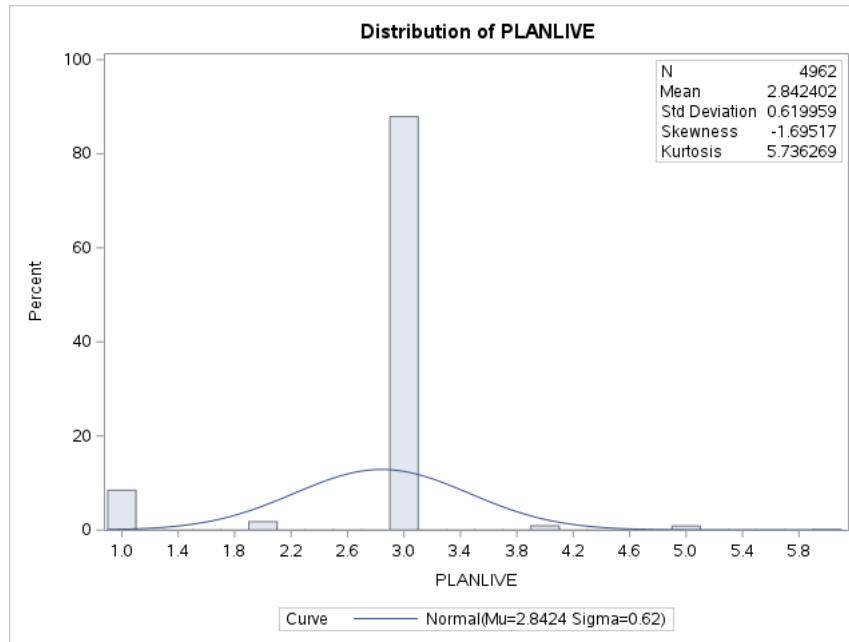
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	322.9614	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.497954	Pr > D	<0.0100
Cramer-von Mises	W-Sq	296.6168	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1413.14	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	6
99%	4
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	4950	6	115
1	4949	6	145
1	4936	6	2508
1	4935	6	2995
1	4932	6	4812

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for PLANLIVE

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.842402
Std Dev	Sigma	0.619959

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.49795	Pr > D <0.10
Cramer-von Mises	W-Sq	296.61683	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	1413.14029	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	1.40016
5.0	1.00000	1.82266
10.0	2.00000	2.04789
25.0	3.00000	2.42425
50.0	3.00000	2.84240
75.0	3.00000	3.26056
90.0	3.00000	3.63691
95.0	3.00000	3.86214
99.0	4.00000	4.28464

**Histograms and Normality Tests for All Numeric Variables**

Variable: DSstud\_RC

Moments			
N	4962	Sum Weights	4962
Mean	1.00544135	Sum Observations	4989
Std Deviation	0.07357198	Variance	0.00541284
Skewness	13.4496323	Kurtosis	178.964742
Uncorrected SS	5043	Corrected SS	26.8530834
Coeff Variation	7.31738192	Std Error Mean	0.00104444

Basic Statistical Measures			
Location		Variability	
Mean	1.005441	Std Deviation	0.07357
Median	1.000000	Variance	0.00541
Mode	1.000000	Range	1.00000
		Interquartile Range	0

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	962.6594	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

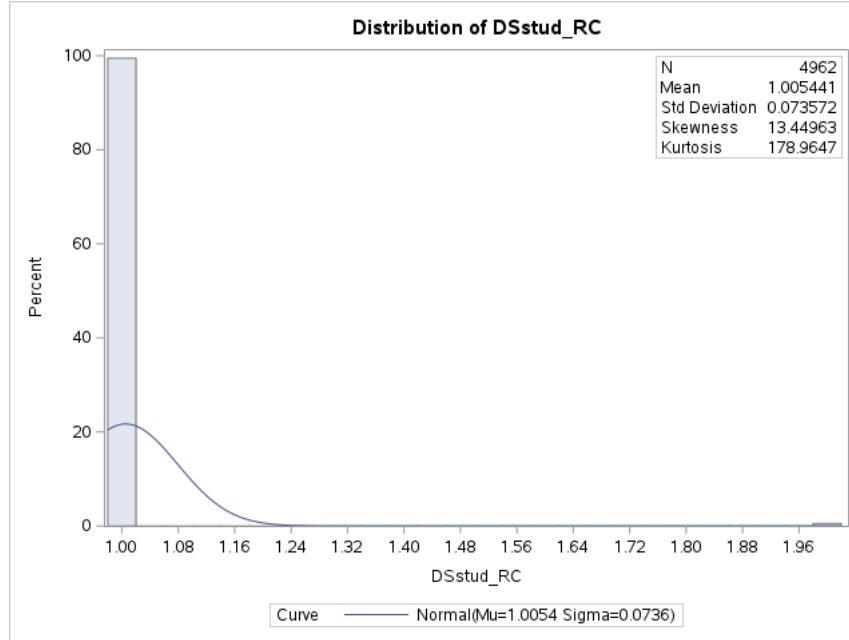
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.524037	Pr > D	<0.0100
Cramer-von Mises	W-Sq	410.3204	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1907.319	Pr > A-Sq	<0.0050

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	4962	2	4137
1	4961	2	4200
1	4960	2	4327
1	4959	2	4639
1	4958	2	4802

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for DSstud\_RC

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1.005441
Std Dev	Sigma	0.073572

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.52404	Pr > D	<0.010
Cramer-von Mises	W-Sq	410.32036	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1907.31869	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	0.83429
5.0	1.00000	0.88443
10.0	1.00000	0.91116
25.0	1.00000	0.95582
50.0	1.00000	1.00544
75.0	1.00000	1.05506
90.0	1.00000	1.09973
95.0	1.00000	1.12646
99.0	1.00000	1.17660

**Histograms and Normality Tests for All Numeric Variables**

Variable: SIFRAT01

Moments			
N	4962	Sum Weights	4962
Mean	3.94578799	Sum Observations	19579
Std Deviation	0.68479277	Variance	0.46894113
Skewness	-0.1003787	Kurtosis	-0.3612304
Uncorrected SS	79581	Corrected SS	2326.41697
Coeff Variation	17.355032	Std Error Mean	0.00972144

Basic Statistical Measures			
Location		Variability	
Mean	3.945788	Std Deviation	0.68479
Median	4.000000	Variance	0.46894
Mode	4.000000	Range	4.00000
		Interquartile Range	0

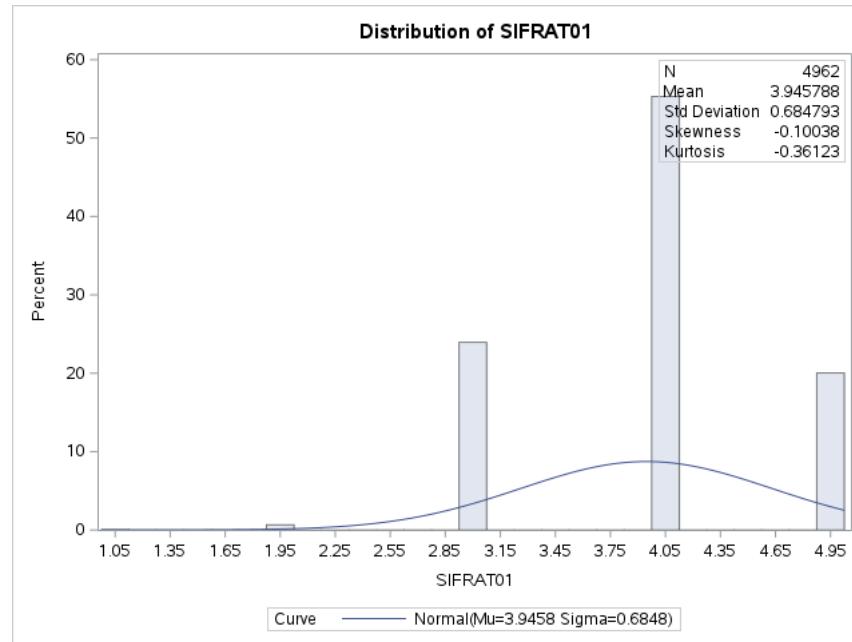
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	405.885	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.284875	Pr > D	<0.0100
Cramer-von Mises	W-Sq	82.81183	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	436.7178	Pr > A-Sq	<0.0050

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	4125	5	4931
1	4057	5	4938
1	30	5	4949
2	4736	5	4954
2	4673	5	4959

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SIFRAT01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.945788
Std Dev	Sigma	0.684793

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.284875	Pr > D <0.010
Cramer-von Mises	W-Sq	82.811833	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	436.717767	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	2.35272
5.0	3.00000	2.81940
10.0	3.00000	3.06819
25.0	4.00000	3.48390
50.0	4.00000	3.94579
75.0	4.00000	4.40767
90.0	5.00000	4.82339
95.0	5.00000	5.07217
99.0	5.00000	5.53885

**Histograms and Normality Tests for All Numeric Variables**

Variable: SIFRAT01

Moments			
N	4962	Sum Weights	4962
Mean	4.07678356	Sum Observations	20229
Std Deviation	0.78534058	Variance	0.61675982
Skewness	-0.4429943	Kurtosis	-0.3366648
Uncorrected SS	85529	Corrected SS	3059.74547
Coeff Variation	19.26373	Std Error Mean	0.01114884

Basic Statistical Measures			
Location		Variability	
Mean	4.076784	Std Deviation	0.78534
Median	4.000000	Variance	0.61676
Mode	4.000000	Range	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	365.6689	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

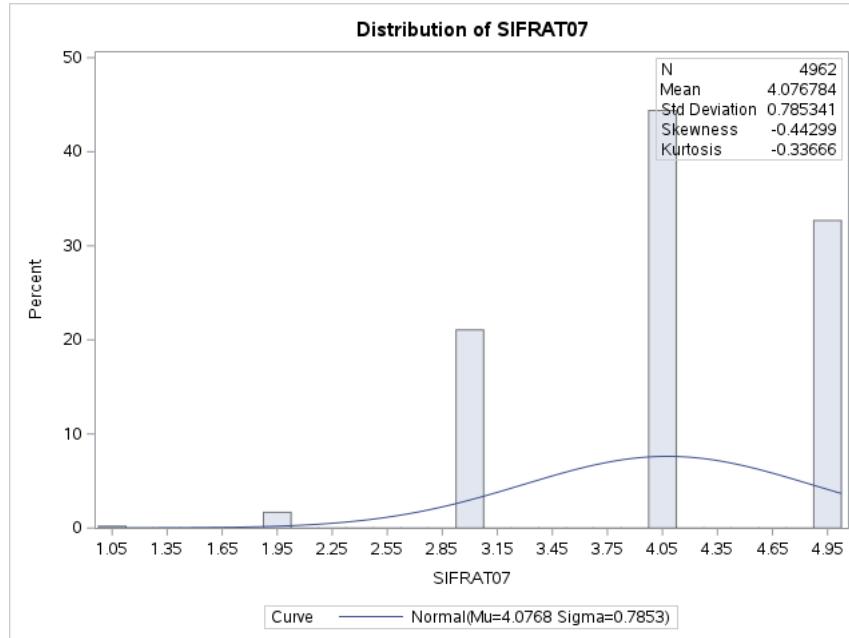
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.231714	Pr > D	<0.0100
Cramer-von Mises	W-Sq	59.317	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	353.6129	Pr > A-Sq	<0.0050

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	4803	5	4954
1	4764	5	4955
1	4606	5	4956
1	4562	5	4959
1	4478	5	4960

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for SIFRAT07

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.076784
Std Dev	Sigma	0.785341

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.231714	Pr > D	<0.010
Cramer-von Mises	W-Sq	59.316999	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	353.612897	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	2.00000	2.24981
5.0	3.00000	2.78501
10.0	3.00000	3.07033
25.0	4.00000	3.54708
50.0	4.00000	4.07678
75.0	5.00000	4.60649
90.0	5.00000	5.08324
95.0	5.00000	5.36855
99.0	5.00000	5.90376

**Histograms and Normality Tests for All Numeric Variables**

Variable: SIFMAJA

Moments			
N	4962	Sum Weights	4962
Mean	8.06993148	Sum Observations	40043
Std Deviation	4.72421728	Variance	22.3182289
Skewness	0.32937952	Kurtosis	-1.325345
Uncorrected SS	433865	Corrected SS	110720.734
Coeff Variation	58.5409838	Std Error Mean	0.06706586

Basic Statistical Measures			
Location	Variability		
Mean	8.069931	Std Deviation	4.72422
Median	7.000000	Variance	22.31823
Mode	3.000000	Range	15.00000
		Interquartile Range	9.00000

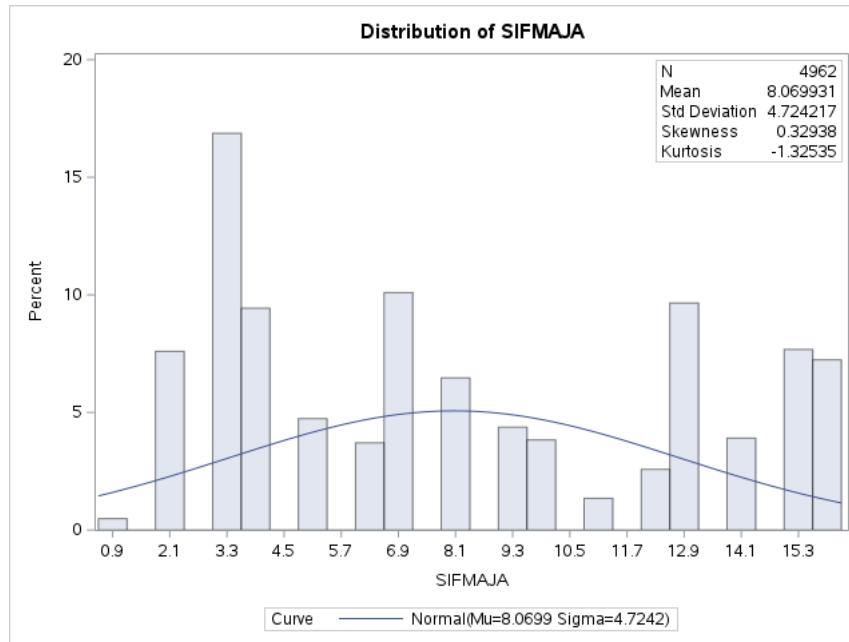
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	120.3285	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.149333	Pr > D	<0.0100
Cramer-von Mises	W-Sq	25.13465	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	169.0453	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	16
99%	16
95%	16
90%	15
75% Q3	13
50% Median	7
25% Q1	4
10%	3
5%	2
1%	2
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4803	16	4885
1	4792	16	4911
1	4392	16	4934
1	4323	16	4946
1	4120	16	4947

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for SIFMAJA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	8.069931
Std Dev	Sigma	4.724217

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.149333	Pr > D <0.010
Cramer-von Mises	W-Sq	25.134649	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	169.045331	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	-2.92024
5.0	2.00000	0.29929
10.0	3.00000	2.01560
25.0	4.00000	4.88350
50.0	7.00000	8.06993
75.0	13.00000	11.25637
90.0	15.00000	14.12426
95.0	16.00000	15.84058
99.0	16.00000	19.06010

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSHPW01

Moments			
N	4962	Sum Weights	4962
Mean	5.324869	Sum Observations	26422
Std Deviation	1.44650711	Variance	2.09238282
Skewness	0.21794355	Kurtosis	-0.4854319
Uncorrected SS	151074	Corrected SS	10380.3112
Coeff Variation	27.165121	Std Error Mean	0.02053488

Basic Statistical Measures			
Location		Variability	
Mean	5.324869	Std Deviation	1.44651
Median	5.000000	Variance	2.09238
Mode	5.000000	Range	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	259.3085	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

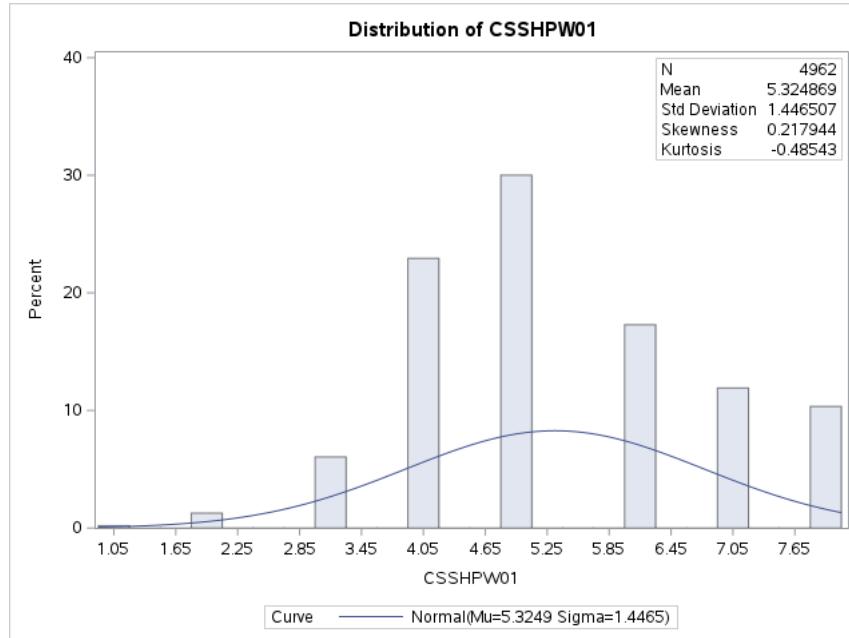
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.193445	Pr > D	<0.0100
Cramer-von Mises	W-Sq	23.72018	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	133.8188	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4491	8	4913
1	2681	8	4916
1	2064	8	4928
1	1999	8	4929
1	1927	8	4950

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for CSSHPW01

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.324869
Std Dev	Sigma	1.446507

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.193445	Pr > D	<0.010
Cramer-von Mises	W-Sq	23.720175	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	133.818837	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	2.00000	1.95979
5.0	3.00000	2.94558
10.0	4.00000	3.47110
25.0	4.00000	4.34921
50.0	5.00000	5.32487
75.0	6.00000	6.30052
90.0	8.00000	7.17864
95.0	8.00000	7.70416
99.0	8.00000	8.68995

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSHPW02

Moments			
N	4962	Sum Weights	4962
Mean	5.89439742	Sum Observations	29248
Std Deviation	1.18417505	Variance	1.40227056
Skewness	-0.5406745	Kurtosis	1.35534162
Uncorrected SS	179356	Corrected SS	6956.66425
Coeff Variation	20.0898407	Std Error Mean	0.01681077

Basic Statistical Measures			
Location		Variability	
Mean	5.894397	Std Deviation	1.18418
Median	6.000000	Variance	1.40227
Mode	6.000000	Range	7.00000
		Interquartile Range	2.00000

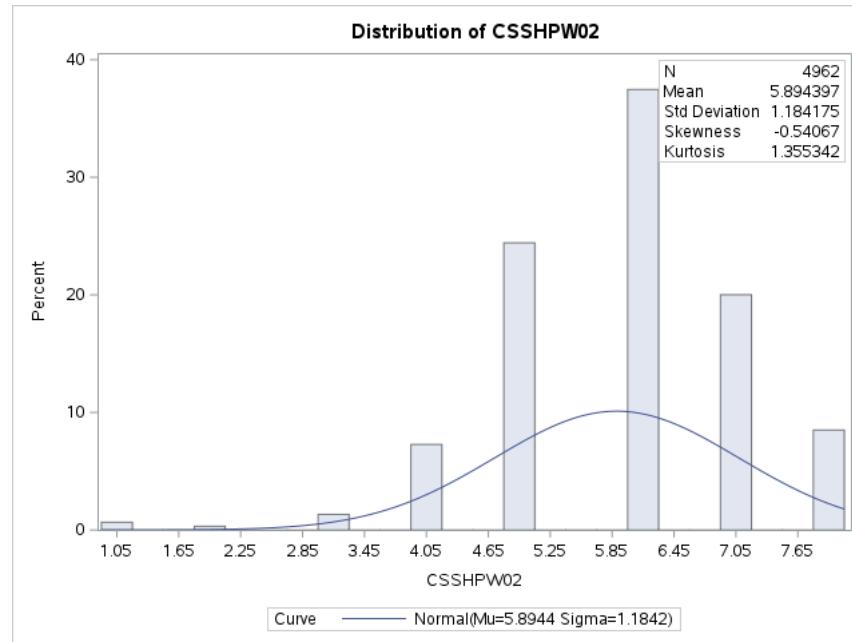
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	350.6323	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.195344	Pr > D	<.0100
Cramer-von Mises	W-Sq	31.79884	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	161.5536	Pr > A-Sq	<.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4961	8	4921
1	4900	8	4926
1	4521	8	4927
1	4452	8	4948
1	4447	8	4950

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for CSSHPW02

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.894397
Std Dev	Sigma	1.184175

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.195344	Pr > D <0.010
Cramer-von Mises	W-Sq	31.798841	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	161.553596	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	3.00000	3.13959
5.0	4.00000	3.94660
10.0	5.00000	4.37682
25.0	5.00000	5.09568
50.0	6.00000	5.89440
75.0	7.00000	6.69311
90.0	7.00000	7.41198
95.0	8.00000	7.84219
99.0	8.00000	8.64920

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSHPW03

Moments			
N	4962	Sum Weights	4962
Mean	5.56791616	Sum Observations	27628
Std Deviation	1.47979827	Variance	2.18980291
Skewness	0.17973524	Kurtosis	-0.7599466
Uncorrected SS	164694	Corrected SS	10863.6123
Coeff Variation	26.5772369	Std Error Mean	0.02100749

Basic Statistical Measures			
Location		Variability	
Mean	5.567916	Std Deviation	1.47980
Median	5.000000	Variance	2.18980
Mode	5.000000	Range	7.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	265.0444	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

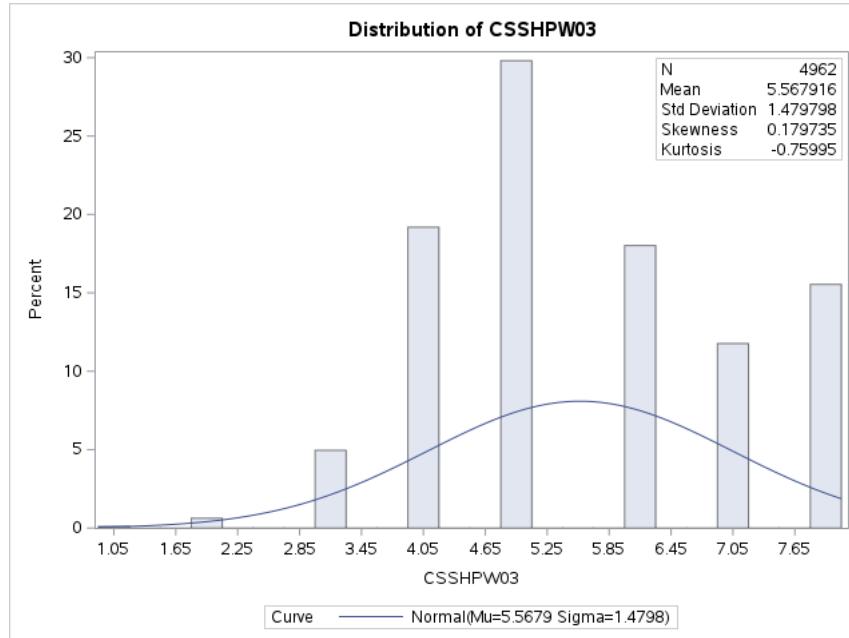
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.196184	Pr > D	<0.0100
Cramer-von Mises	W-Sq	24.27973	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	147.4566	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	2681	8	4932
1	1936	8	4933
1	1927	8	4946
1	609	8	4951
1	391	8	4954

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for CSSHPW03

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	5.567916
Std Dev	Sigma	1.479798

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.196184	Pr > D	<0.010
Cramer-von Mises	W-Sq	24.279730	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	147.456555	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Observed	Estimated
1.0	3.00000	2.12539
5.0	3.00000	3.13386
10.0	4.00000	3.67148
25.0	5.00000	4.56981
50.0	5.00000	5.56792
75.0	7.00000	6.56602
90.0	8.00000	7.46435
95.0	8.00000	8.00197
99.0	8.00000	9.01044

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSHPW05

Moments			
N	4962	Sum Weights	4962
Mean	3.48669891	Sum Observations	17301
Std Deviation	1.75405897	Variance	3.07672286
Skewness	0.38287078	Kurtosis	-0.2593651
Uncorrected SS	75587	Corrected SS	15263.6221
Coeff Variation	50.3071533	Std Error Mean	0.02490094

Basic Statistical Measures			
Location		Variability	
Mean	3.486699	Std Deviation	1.75406
Median	4.000000	Variance	3.07672
Mode	4.000000	Range	7.00000
		Interquartile Range	3.00000

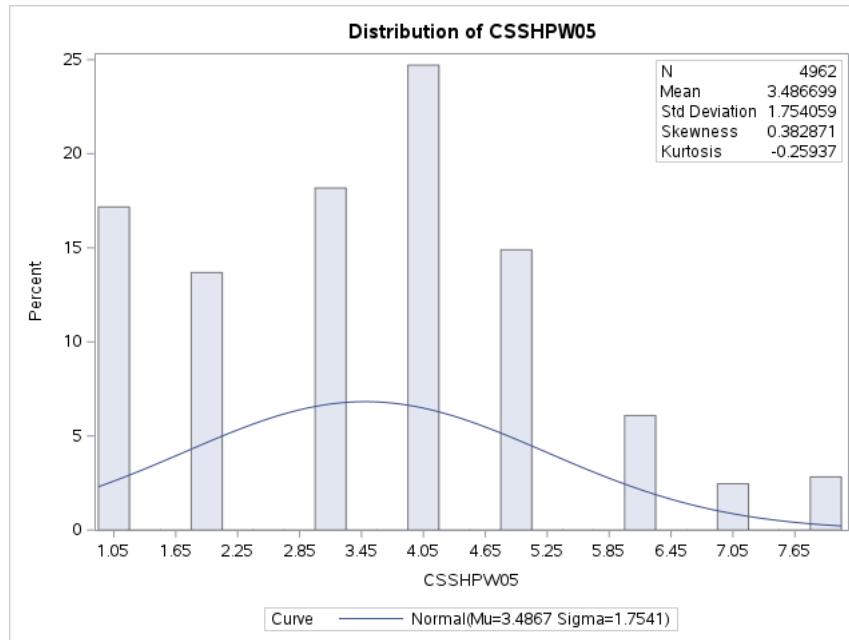
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	140.0228	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.124773	Pr > D	<0.0100
Cramer-von Mises	W-Sq	14.74856	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	96.00087	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	8
99%	8
95%	7
90%	6
75% Q3	5
50% Median	4
25% Q1	2
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4960	8	4847
1	4957	8	4854
1	4950	8	4857
1	4949	8	4904
1	4944	8	4954

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for CSSHPW05

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	3.486699
Std Dev	Sigma	1.754059

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.1247734	Pr > D <0.010
Cramer-von Mises	W-Sq	14.7485552	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	96.0008741	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	1.00000	-0.59385
5.0	1.00000	0.60153
10.0	1.00000	1.23878
25.0	2.00000	2.30360
50.0	4.00000	3.48670
75.0	5.00000	4.66979
90.0	6.00000	5.73462
95.0	7.00000	6.37187
99.0	8.00000	7.56725

**Histograms and Normality Tests for All Numeric Variables**

Variable: CSSHPW08

Moments			
N	4962	Sum Weights	4962
Mean	2.75292221	Sum Observations	13660
Std Deviation	1.58715634	Variance	2.51906523
Skewness	0.78046261	Kurtosis	0.48606907
Uncorrected SS	50102	Corrected SS	12497.0826
Coeff Variation	57.653512	Std Error Mean	0.02253156

Basic Statistical Measures			
Location		Variability	
Mean	2.752922	Std Deviation	1.58716
Median	3.000000	Variance	2.51907
Mode	1.000000	Range	7.00000
		Interquartile Range	3.00000

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	122.1807	Pr >  t  <.0001
Sign	M	2481	Pr >=  M  <.0001

## Program Summary - adhoc and norality for OFFDATAHERI.sas

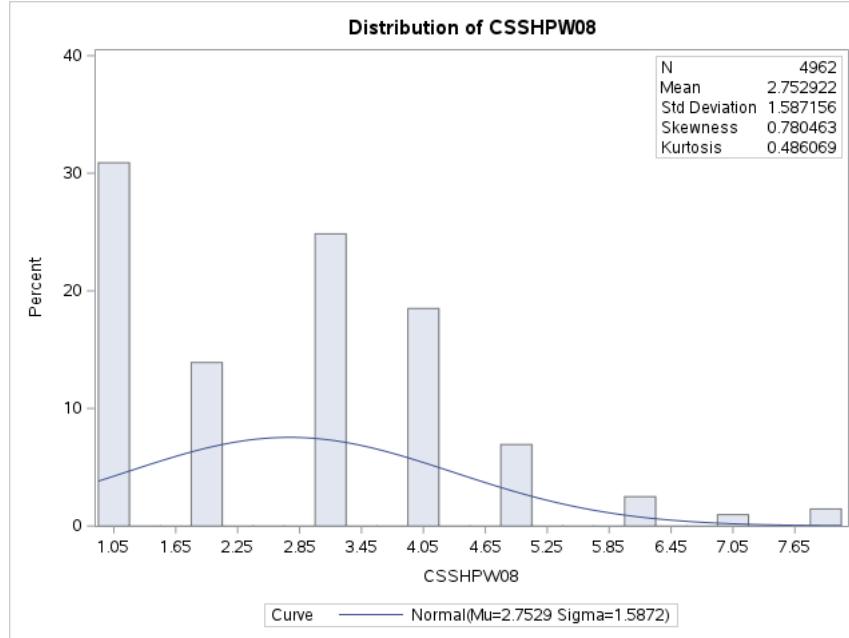
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	6156602	Pr >=  S  <.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.174247	Pr > D	<0.0100
Cramer-von Mises	W-Sq	25.78385	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	176.9898	Pr > A-Sq	<0.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4960	8	4756
1	4956	8	4840
1	4952	8	4848
1	4951	8	4854
1	4949	8	4904

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for CSSHPW08

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	2.752922
Std Dev	Sigma	1.587156

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.174247	Pr > D	<0.010
Cramer-von Mises	W-Sq	25.783850	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	176.989758	Pr > A-Sq	<0.005

Percent	Quantiles for Normal Distribution	
	Quantile	
	Observed	Estimated
1.0	1.00000	-0.93936
5.0	1.00000	0.14228
10.0	1.00000	0.71890
25.0	1.00000	1.68240
50.0	3.00000	2.75292
75.0	4.00000	3.82344
90.0	5.00000	4.78694
95.0	5.00000	5.36356
99.0	8.00000	6.44520

**Histograms and Normality Tests for All Numeric Variables**

Variable: COLLGPA

Moments			
N	4962	Sum Weights	4962
Mean	4.62938331	Sum Observations	22971
Std Deviation	0.88430011	Variance	0.78198668
Skewness	-0.4015656	Kurtosis	-0.0088279
Uncorrected SS	110221	Corrected SS	3879.43591
Coeff Variation	19.1018986	Std Error Mean	0.01255369

Basic Statistical Measures			
Location		Variability	
Mean	4.629383	Std Deviation	0.88430
Median	5.000000	Variance	0.78199
Mode	5.000000	Range	5.00000
		Interquartile Range	1.00000

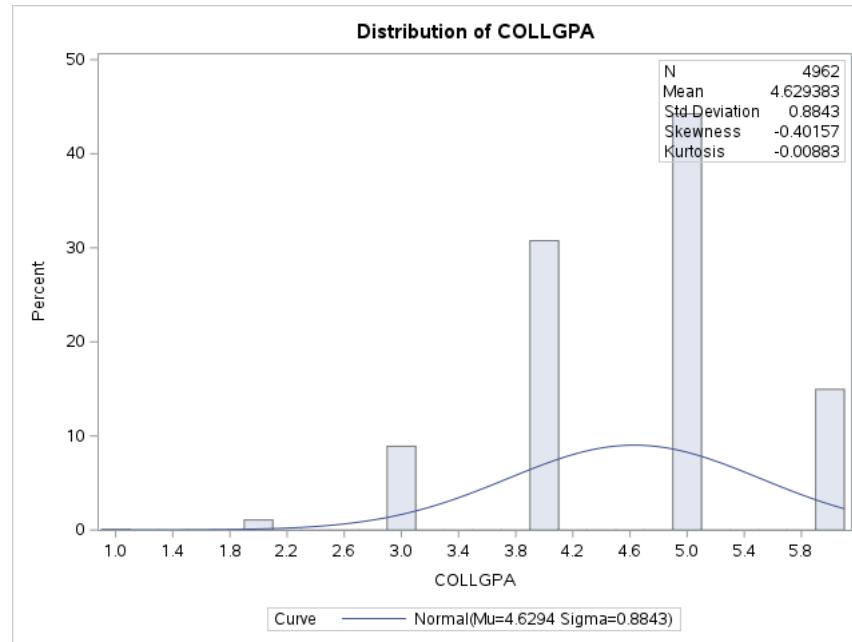
Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	368.7668	Pr >  t	<.0001
Sign	M	2481	Pr >=  M	<.0001
Signed Rank	S	6156602	Pr >=  S	<.0001

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.254531	Pr > D	<.0100
Cramer-von Mises	W-Sq	52.74192	Pr > W-Sq	<.0050
Anderson-Darling	A-Sq	274.4979	Pr > A-Sq	<.0050

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	4718	6	4942
1	1028	6	4948
1	588	6	4949
2	4935	6	4951
2	4906	6	4953

**Histograms and Normality Tests for All Numeric Variables**

**Histograms and Normality Tests for All Numeric Variables**

Fitted Normal Distribution for COLLGPA

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.629383
Std Dev	Sigma	0.8843

Goodness-of-Fit Tests for Normal Distribution			
Test	Statistic	p Value	
Kolmogorov-Smirnov	D	0.254531	Pr > D <0.010
Cramer-von Mises	W-Sq	52.741920	Pr > W-Sq <0.005
Anderson-Darling	A-Sq	274.497912	Pr > A-Sq <0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	2.00000	2.57219
5.0	3.00000	3.17484
10.0	3.00000	3.49611
25.0	4.00000	4.03293
50.0	5.00000	4.62938
75.0	5.00000	5.22583
90.0	6.00000	5.76266
95.0	6.00000	6.08393
99.0	6.00000	6.68657

**Histograms and Normality Tests for All Numeric Variables**

Variable: Success\_Latent

Moments			
N	4962	Sum Weights	4962
Mean	-0.0053024	Sum Observations	-26.310737
Std Deviation	0.37367348	Variance	0.13963187
Skewness	-0.2654995	Kurtosis	0.19255742
Uncorrected SS	692.853222	Corrected SS	692.71371
Coeff Variation	-7047.1908	Std Error Mean	0.00530474

Basic Statistical Measures			
Location		Variability	
Mean	-0.00530	Std Deviation	0.37367
Median	-0.01320	Variance	0.13963
Mode	-0.14049	Range	2.48998
		Interquartile Range	0.60786

Tests for Location: Mu0=0			
Test	Statistic	p Value	
Student's t	t	-0.99957	Pr >  t  0.3176
Sign	M	-86	Pr >=  M  0.0152

## Program Summary - adhoc and norality for OFFDATAHERI.sas

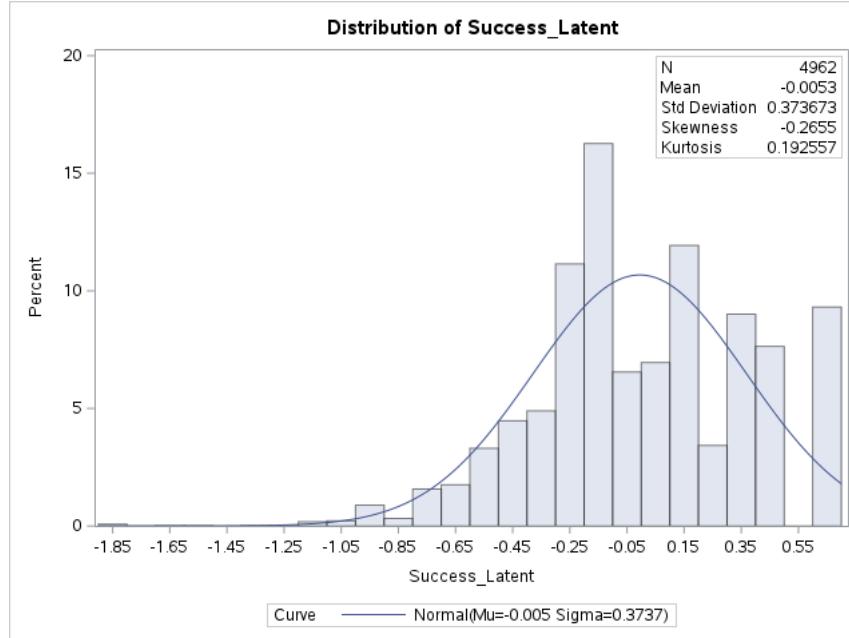
Tests for Location: Mu0=0			
Test	Statistic	p Value	
Signed Rank	S	132758.5	Pr >=  S  0.1881

Tests for Normality				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.06247	Pr > D	<0.0100
Cramer-von Mises	W-Sq	3.341426	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	24.87647	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.6376667
99%	0.6376667
95%	0.6376667
90%	0.4360693
75% Q3	0.3107722
50% Median	-0.0132024
25% Q1	-0.2970886
10%	-0.4522924
5%	-0.6088225
1%	-0.9284296
0% Min	-1.8523172

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-1.85232	4718	0.637667	4908
-1.85232	3131	0.637667	4920
-1.85232	1962	0.637667	4945
-1.85232	1765	0.637667	4958
-1.61126	4539	0.637667	4960

## Histograms and Normality Tests for All Numeric Variables



## Histograms and Normality Tests for All Numeric Variables

## Fitted Normal Distribution for Success\_Latent

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	-0.0053
Std Dev	Sigma	0.373673

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic	p Value		
Kolmogorov-Smirnov	D	0.0624704	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.3414263	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	24.8764707	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	-0.92843	-0.87460
5.0	-0.60882	-0.61994
10.0	-0.45229	-0.48418
25.0	-0.29709	-0.25734
50.0	-0.01320	-0.00530
75.0	0.31077	0.24674
90.0	0.43607	0.47358
95.0	0.63767	0.60934
99.0	0.63767	0.86399

## Correlation Matrix for All Numeric Variables

<b>41 Variables:</b>	SLFCHG01 SLFCHG02 SLFCHG03 SLFCHG04 SLFCHG09 CSSRAT01 CSSRAT07 SUCCESS4 SUCCESS7 SATIS13 SATIS01 SATIS02 SATIS07 SATIS15 SATIS25 SATIS28 CSSRAT16 GENACT05 COLACT19 COLACT17 FATHEDUC MOTHEDUC RACEGROUP UndrRepStud_RC FINCON_RC FirstGen_RC INCOME HSGPA CITIZEN PLANLIVE DSstud_RC SIFRAT01 SIFRAT07 SIFMAJA CSSHPW01 CSSHPW02 CSSHPW03 CSSHPW05 CSSHPW08 COLLGPA Success_Latent
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Variable	Simple Statistics					
	N	Mean	Std Dev	Median	Minimum	Maximum
SLFCHG01	4962	4.47642	0.57456	5.00000	1.00000	5.00000
SLFCHG02	4962	4.30371	0.61450	4.00000	1.00000	5.00000
SLFCHG03	4962	4.64228	0.53577	5.00000	1.00000	5.00000
SLFCHG04	4962	4.35792	0.61989	4.00000	1.00000	5.00000
SLFCHG09	4962	4.22894	0.69466	4.00000	1.00000	5.00000
CSSRAT01	4962	3.97441	0.69376	4.00000	1.00000	5.00000
CSSRAT07	4962	4.07195	0.79877	4.00000	1.00000	5.00000
SUCCESS4	4962	2.63563	0.51332	3.00000	1.00000	3.00000
SUCCESS7	4962	2.70496	0.51191	3.00000	1.00000	3.00000
SATIS13	4962	3.74587	0.98123	4.00000	1.00000	5.00000
SATIS01	4962	3.87424	0.79653	4.00000	1.00000	5.00000
SATIS02	4962	3.56348	0.97132	4.00000	1.00000	5.00000
SATIS07	4962	4.08424	0.73318	4.00000	1.00000	5.00000
SATIS15	4962	3.63120	0.99130	4.00000	1.00000	5.00000
SATIS25	4962	3.91596	1.00633	4.00000	1.00000	5.00000
SATIS28	4962	4.16526	0.75214	4.00000	1.00000	5.00000
CSSRAT16	4962	3.69448	0.86440	4.00000	1.00000	5.00000
GENACT05	4962	2.29726	0.59096	2.00000	1.00000	3.00000
COLACT19	4962	1.01894	0.13634	1.00000	1.00000	2.00000
COLACT17	4962	1.48186	0.49972	1.00000	1.00000	2.00000
FATHEDUC	4962	5.57195	1.99530	6.00000	1.00000	8.00000
MOTHEDUC	4962	5.33333	1.84452	6.00000	1.00000	8.00000
RACEGROUP	4962	1.91133	1.24721	1.00000	1.00000	5.00000
UndrRepStud_RC	4962	0.28617	0.45202	0	0	1.00000
FINCON_RC	4962	0.80875	0.64243	1.00000	0	2.00000
FirstGen_RC	4962	0.66364	0.47251	1.00000	0	1.00000
INCOME	4962	9.31459	3.11442	10.00000	1.00000	14.00000
HSGPA	4962	6.56026	1.33688	7.00000	1.00000	8.00000
CITIZEN	4962	1.93289	0.25024	2.00000	1.00000	2.00000
PLANLIVE	4962	2.84240	0.61996	3.00000	1.00000	6.00000
DSstud_RC	4962	1.00544	0.07357	1.00000	1.00000	2.00000
SIFRAT01	4962	3.94579	0.68479	4.00000	1.00000	5.00000
SIFRAT07	4962	4.07678	0.78534	4.00000	1.00000	5.00000
SIFMAJA	4962	8.06993	4.72422	7.00000	1.00000	16.00000
CSSHPW01	4962	5.32487	1.44651	5.00000	1.00000	8.00000
CSSHPW02	4962	5.89440	1.18418	6.00000	1.00000	8.00000
CSSHPW03	4962	5.56792	1.47980	5.00000	1.00000	8.00000
CSSHPW05	4962	3.48670	1.75406	4.00000	1.00000	8.00000
CSSHPW08	4962	2.75292	1.58716	3.00000	1.00000	8.00000
COLLGPA	4962	4.62938	0.88430	5.00000	1.00000	6.00000
Success_Latent	4962	-0.00530	0.37367	-0.01320	-1.85232	0.63767

	SLFCHG01	SLFCHG02	SLFCHG03	SLFCHG04	SLFCHG09	CSSRAT01	CSSRAT07	SUCCESS4	SUCCESS7	SATIS13	SATIS01	SATIS02	SATIS07	SATIS15	SATIS25	SATIS28	CSSR
SLFCHG01	1.00000	0.54924 <.0001	0.44111 <.0001	0.51608 <.0001	0.33625 <.0001	0.11555 <.0001	0.15984 <.0001	0.18752 <.0001	0.16207 <.0001	0.16510 <.0001	0.25867 <.0001	0.12025 <.0001	0.27842 <.0001	0.16487 <.0001	0.19581 <.0001	0.26649 <.0001	0.11 <.0001
SLFCHG02	0.54924 <.0001	1.00000	0.44210 <.0001	0.64644 <.0001	0.33952 <.0001	0.13131 <.0001	0.17395 <.0001	0.19753 <.0001	0.13369 <.0001	0.14775 <.0001	0.23536 <.0001	0.18028 <.0001	0.28278 <.0001	0.18193 <.0001	0.22219 <.0001	0.23462 <.0001	0.14 <.0001
SLFCHG03	0.44111 <.0001	0.44210 <.0001	1.00000	0.48391 <.0001	0.29104 <.0001	0.20476 <.0001	0.14823 <.0001	0.23032 <.0001	0.20307 <.0001	0.17251 <.0001	0.20395 <.0001	0.13215 <.0001	0.31945 <.0001	0.17966 <.0001	0.21640 <.0001	0.29529 <.0001	0.10 <.0001
SLFCHG04	0.51608 <.0001	0.64644 <.0001	0.48391 <.0001	1.00000	0.36718 <.0001	0.16661 <.0001	0.18980 <.0001	0.19772 <.0001	0.14991 <.0001	0.16117 <.0001	0.22590 <.0001	0.11692 <.0001	0.28491 <.0001	0.17484 <.0001	0.23532 <.0001	0.25789 <.0001	0.11 <.0001
SLFCHG09	0.33625 <.0001	0.33952 <.0001	0.29104 <.0001	0.36718 <.0001	1.00000	0.07741 <.0001	0.18609 <.0001	0.14863 <.0001	0.23534 <.0001	0.21254 <.0001	0.16243 <.0001	0.07435 <.0001	0.20751 <.0001	0.15513 <.0001	0.20083 <.0001	0.26631 <.0001	0.20 <.0001
CSSRAT01	0.11555 <.0001	0.13313 <.0001	0.20476 <.0001	0.16661 <.0001	0.07741 <.0001	1.00000	0.35361 <.0001	0.28285 <.0001	0.05252 0.0002	0.06595 <.0001	0.10652 <.0001	0.11384 <.0001	0.18495 <.0001	0.07684 <.0001	0.14215 <.0001	0.11975 <.0001	0.14 <.0001
CSSRAT07	0.15984 <.0001	0.17395 <.0001	0.14823 <.0001	0.18980 <.0001	0.18609 <.0001	0.35361 <.0001	1.00000	0.25764 <.0001	0.09728 <.0001	0.08840 <.0001	0.09881 <.0001	0.05945 <.0001	0.08740 <.0001	0.11320 <.0001	0.13240 <.0001	0.10032 <.0001	0.30 <.0001
SUCCESS4	0.18752 <.0001	0.19753 <.0001	0.23032 <.0001	0.19772 <.0001	0.14863 <.0001	0.28285 <.0001	0.25764 <.0001	1.00000	0.21752 <.0001	0.14348 <.0001	0.16349 <.0001	0.12119 <.0001	0.20797 <.0001	0.13912 <.0001	0.18342 <.0001	0.20037 <.0001	0.11 <.0001

	SLFCHG01	SLFCHG02	SLFCHG03	SLFCHG04	SLFCHG09	CSSRAT01	CSSRAT07	SUCCESS4	SUCCESS7	SATIS13	SATIS01	SATIS02	SATIS07	SATIS15	SATIS25	SATIS28	CSSRAT16	
<b>SUCCESS7</b>	0.16207 <.0001	0.13369 <.0001	0.20307 <.0001	0.14991 <.0001	0.23534 <.0001	0.05252 <.0001	0.09728 <.0001	0.21752 <.0001	1.00000	0.26644 <.0001	0.11414 <.0001	0.05673 <.0001	0.15700 <.0001	0.12714 <.0001	0.16589 <.0001	0.30675 <.0001	0.21	
<b>SATIS13</b>	0.16510 <.0001	0.14775 <.0001	0.17251 <.0001	0.16117 <.0001	0.21254 <.0001	0.06595 <.0001	0.08840 <.0001	0.14348 <.0001	0.26644 <.0001	1.00000	0.26833 <.0001	0.19258 <.0001	0.32228 <.0001	0.30316 <.0001	0.30417 <.0001	0.52751 <.0001	0.11	
<b>SATIS01</b>	0.25867 <.0001	0.23536 <.0001	0.20395 <.0001	0.22590 <.0001	0.16243 <.0001	0.10652 <.0001	0.09881 <.0001	0.16349 <.0001	0.11414 <.0001	0.26833 <.0001	1.00000	0.33703 <.0001	0.41197 <.0001	0.25806 <.0001	0.26067 <.0001	0.39168 <.0001	0.01	
<b>SATIS02</b>	0.12025 <.0001	0.18028 <.0001	0.13215 <.0001	0.11692 <.0001	0.07435 <.0001	0.11384 <.0001	0.05945 <.0001	0.12119 <.0001	0.05673 <.0001	0.19258 <.0001	0.33703 <.0001	1.00000	0.24468 <.0001	0.18342 <.0001	0.14868 <.0001	0.222568 <.0001	0.01	
<b>SATIS07</b>	0.27842 <.0001	0.28278 <.0001	0.31945 <.0001	0.28491 <.0001	0.20751 <.0001	0.18495 <.0001	0.08740 <.0001	0.20797 <.0001	0.15700 <.0001	0.32228 <.0001	0.41197 <.0001	0.24468 <.0001	1.00000	0.34422 <.0001	0.37214 <.0001	0.49856 <.0001	0.08	
<b>SATIS15</b>	0.16487 <.0001	0.18193 <.0001	0.17966 <.0001	0.17484 <.0001	0.15513 <.0001	0.07684 <.0001	0.11320 <.0001	0.13912 <.0001	0.12714 <.0001	0.30316 <.0001	0.25806 <.0001	0.18342 <.0001	0.34422 <.0001	1.00000	0.33567 <.0001	0.33183 <.0001	0.39168 <.0001	0.01
<b>SATIS25</b>	0.19581 <.0001	0.22219 <.0001	0.21640 <.0001	0.23532 <.0001	0.20083 <.0001	0.14215 <.0001	0.13240 <.0001	0.18342 <.0001	0.16589 <.0001	0.30417 <.0001	0.26067 <.0001	0.14868 <.0001	0.37214 <.0001	1.00000	0.33567 <.0001	0.36722 <.0001	0.14	
<b>SATIS28</b>	0.26649 <.0001	0.23462 <.0001	0.29529 <.0001	0.25789 <.0001	0.26631 <.0001	0.11975 <.0001	0.10032 <.0001	0.20037 <.0001	0.30675 <.0001	0.52751 <.0001	0.39168 <.0001	0.22568 <.0001	0.49856 <.0001	1.00000	0.33183 <.0001	0.36722 <.0001	0.14	
<b>CSSRAT16</b>	0.15392 <.0001	0.14436 <.0001	0.09345 <.0001	0.16387 <.0001	0.24945 <.0001	0.14796 <.0001	0.30802 <.0001	0.10522 <.0001	0.23219 <.0001	0.12423 <.0001	0.11165 <.0001	0.01710 <.0001	0.80228 <.0001	0.09525 <.0001	0.14659 <.0001	0.15187 <.0001	1.00	
<b>GENACT05</b>	0.03460 0.0148	-0.00054 0.9698	0.04624 0.0011	-0.00326 0.8182	-0.00377 0.7904	-0.05715 0.1771	0.01916 0.1771	-0.06084 0.1771	-0.01587 0.2638	-0.04281 0.026	-0.02977 0.0360	-0.04394 0.020	-0.03129 0.0275	-0.05059 0.0004	-0.02577 0.0695	-0.03526 0.1310	-0.11	
<b>COLACT19</b>	0.01085 0.4448	-0.00373 0.7930	0.00449 0.7521	-0.00631 0.6569	-0.01175 0.4080	-0.01405 0.3223	-0.01411 0.9208	-0.01944 0.1710	-0.04698 0.0009	-0.00318 0.8227	-0.00961 0.4984	-0.02278 0.1086	-0.01395 0.3258	-0.00249 0.8610	-0.02042 0.1504	-0.01678 0.2374	-0.0	
<b>COLACT17</b>	0.05467 0.0001	0.06356 0.0001	0.05745 0.0001	0.06131 0.0001	0.06016 0.0001	0.06000 0.0001	0.09644 0.0001	0.07246 0.0026	0.04527 0.0014	0.01588 0.00693	0.06963 0.6256	-0.02005 0.1579	0.02233 0.1158	0.01823 0.1991	0.06731 0.3475	0.01334 0.0345	0.00	
<b>FATHEDUC</b>	0.02126 0.1343	0.02138 0.1320	0.07263 0.0600	0.03899 0.1314	0.02142 0.13697	-0.01305 0.3581	0.04272 0.0026	0.05493 0.0001	0.07642 0.0427	0.02878 0.1927	0.01850 0.2198	0.09010 0.7393	-0.00564 0.0480	0.04201 0.0006	0.07307 0.7868	-0.0		
<b>MOTHEDUC</b>	0.00913 0.5203	0.01933 0.1735	0.07051 0.0002	0.05542 0.0002	0.03340 0.0186	0.11977 0.0001	-0.00397 0.0135	0.03506 0.0006	0.05849 0.0001	0.05673 0.1103	0.01742 0.2198	-0.00473 0.7393	0.03941 0.4150	0.01158 0.0005	0.04974 0.0005	0.07042 0.0001	0.0	
<b>RACEGROUP</b>	0.00693 0.6257	0.02147 0.1305	-0.02908 0.0405	0.00873 0.5387	0.02995 0.0349	-0.06645 0.0006	0.03311 0.0197	-0.05835 0.0186	-0.05614 0.0007	-0.09847 0.0397	-0.02421 0.0881	-0.02730 0.0545	-0.05377 0.0006	0.02099 0.1394	-0.00803 0.5719	-0.08773 0.0001	0.00	
<b>UndrRepStud_RC</b>	0.03064 0.0309	0.02376 0.0943	-0.02001 0.1588	0.01853 0.1920	0.04038 0.0044	-0.07306 0.0007	0.03340 0.0186	-0.04830 0.0007	-0.04795 0.0007	-0.08868 0.07397	-0.00472 0.0480	-0.02807 0.0480	-0.04843 0.0006	-0.02866 0.0435	-0.00384 0.7868	-0.07213 0.0001	0.00	
<b>FINCON_RC</b>	-0.02560 0.0714	-0.01061 0.4549	-0.03483 0.0141	-0.04167 0.0033	-0.04866 0.0006	-0.09465 0.0001	-0.02267 0.1103	-0.06344 0.0006	-0.04842 0.0006	-0.07200 0.0001	-0.05883 0.0016	-0.03432 0.0016	-0.04624 0.0016	-0.00190 0.0075	-0.03796 0.0001	-0.07224 0.0001	-0.0	
<b>FirstGen_RC</b>	-0.02811 0.0477	-0.02923 0.0395	-0.04621 0.0011	-0.05205 0.0002	-0.02696 0.0576	-0.10436 0.0001	0.00859 0.1757	-0.01922 0.0176	-0.03369 0.0154	-0.03441 0.0319	-0.03047 0.6108	-0.00723 0.1018	-0.08635 0.0001	0.00924 0.5153	-0.06158 0.0001	-0.06306 0.0001	-0.0	
<b>INCOME</b>	0.00477 0.7372	0.00610 0.6675	0.03508 0.0135	0.02634 0.0635	-0.00283 0.8420	0.11642 0.0003	0.04170 0.0033	0.05532 0.0003	0.06126 0.0001	0.07135 0.0172	0.03383 0.6879	-0.00570 0.0001	0.07737 0.1359	-0.02117 0.0002	0.05236 0.0002	0.07315 0.0001	0.01	
<b>HSGPA</b>	0.02534 0.0743	0.03992 0.0049	0.11551 0.0001	0.03137 0.0271	0.00403 0.7768	0.34647 0.0001	0.11552 0.0001	0.15507 0.0001	0.03453 0.0150	0.08090 0.0001	0.05823 0.0001	0.12085 0.0001	0.11348 0.0001	0.03213 0.0236	0.06707 0.0001	0.11338 0.0001	-0.0	
<b>CITIZEN</b>	0.00091 0.9490	-0.03653 0.0101	0.00132 0.9258	-0.03354 0.0181	-0.01944 0.1710	0.00636 0.6543	0.01618 0.2546	-0.01618 0.6062	0.00732 0.0809	0.02478 0.1958	0.01837 0.9930	-0.01440 0.3106	0.01544 0.2769	-0.02260 0.1114	-0.02560 0.0713	0.04180 0.0032	0.00	
<b>PLANLIVE</b>	0.01560 0.2720	0.02196 0.1220	0.03111 0.0284	0.04505 0.0015	0.03044 0.0320	0.04077 0.0041	0.00906 0.5234	-0.02150 0.1300	0.11641 0.0001	0.07232 0.1229	0.02190 0.2957	-0.01485 0.0001	0.06070 0.2157	0.01758 0.0001	0.05696 0.0001	0.07186 0.0001	0.01	
<b>DSstud_RC</b>	0.00065 0.9634	-0.02319 0.1025	-0.02732 0.0544	-0.00293 0.8363	-0.00072 0.9598	0.00273 0.8476	0.01735 0.2218	0.00981 0.4896	-0.00553 0.6968	0.01078 0.4476	0.01168 0.4108	-0.00342 0.8094	0.00271 0.8486	0.02752 0.0526	0.01435 0.3123	0.05150 0.0001	-0.0	
<b>SIFRAT01</b>	0.05439 0.0001	0.06500 0.0001	0.15536 0.0001	0.07658 0.0001	0.03118 0.0281	0.48034 0.0001	0.15601 0.0001	0.14335 0.0001	0.03486 0.0140	0.06889 0.0008	0.04774 0.0008	0.10624 0.0001	0.15805 0.0001	0.04210 0.0030	0.09079 0.0001	0.10819 0.0001	0.00	
<b>SIFRAT07</b>	0.06722 0.0001	0.07697 0.0001	0.08685 0.0001	0.09342 0.0001	0.07529 0.0001	0.21338 0.0001	0.39574 0.0001	0.13642 0.0001	0.06338 0.0005	0.04913 0.0001	0.05604 0.0001	0.06007 0.0001	0.06263 0.0001	0.04777 0.0008	0.08264 0.0001	0.06349 0.0001	0.1	
<b>SIFMAJA</b>	-0.00827 0.5604	-0.01044 0.4621	0.02940 0.0384	0.03144 0.0268	-0.02576 0.0696	0.01426 0.3152	-0.05544 0.30978	0.01201 0.2035	-0.01563 0.0910	0.07230 0.2700	-0.02400 0.0910	-0.01806 0.02035	-0.01566 0.0910	-0.00127 0.0270	-0.00538 0.07047	-0.00334 0.8139	0.0094	
<b>CSSHPW01</b>	0.12442 0.0001	0.16655 0.0001	0.14400 0.0001	0.14770 0.0001	0.03851 0.0001	0.16376 0.0001	0.17080 0.0001	0.15918 0.0001	0.04372 0.0021	0.06230 0.0001	0.12032 0.0001	0.11143 0.0001	0.18003 0.0001	0.07936 0.0001	0.11763 0.0001	0.10702 0.0001	-0.0	
<b>CSSHPW02</b>	0.02389 0.0924	0.04408 0.0019	0.10502 0.0001	0.02212 0.1193	0.00293 0.8364	0.06345 0.0001	0.07218 0.0001	0.06203 0.0001	0.02474 0.0018	0.02495 0.0008	0.00366 0.0084	0.02447 0.0008	0.01024 0.0001	0.04210 0.0030	0.09079 0.0001	0.10819 0.0001	0.00	
<b>CSSHPW03</b>	0.04420 0.0018	0.01732 0.2224	0.05340 0.0002	0.07304 0.0001	0.05350 0.0002	0.01612 0.2561	0.00200 0.0001	-0.04395 0.3331	0.01374 0.0001	0.23640 0.0001	0.10441 0.0001	0.01546 0.0001	-0.02467 0.0001	0.03356 0.0001	-0.02112 0.0001	0.04681 0.0001	0.10582 0.0001	
<b>CSSHPW05</b>	0.00569 0.6887	0.01001 0.2959	-0.03091 0.0035	0.04146 0.0003	0.01193 0.0001	-0.00351 0.0001	0.01931 0.0001	0.02296 0.0001	0.018529 0.0001	0.16777 0.0001	0.20504 0.0001	0.13418 0.0001	0.030678 0.0001	0.18272 0.0001	0.25007 0.0001	0.25007 0.0001	0.28741 0.0001	
<b>CSSHPW08</b>	0.01107 0.4355	0.03913 0.0058	0.04277 0.0026	0.03889 0.0002	0.15041 0.0006	0.04899 0.0006	0.09257 0.0006	0.02085 0.0006	0.14272 0.0001	0.10347 0.0001	0.05243 0.0002	0.02168 0.0001	0.06708 0					

	<b>SLFCHG01</b>	<b>SLFCHG02</b>	<b>SLFCHG03</b>	<b>SLFCHG04</b>	<b>SLFCHG09</b>	<b>CSSRAT01</b>	<b>CSSRAT07</b>	<b>SUCCESS4</b>	<b>SUCCESS7</b>	<b>SATIS13</b>	<b>SATIS01</b>	<b>SATIS02</b>	<b>SATIS07</b>	<b>SATIS15</b>	<b>SATIS25</b>	<b>SATIS28</b>	<b>CSSRAT</b>
<b>SATIS15</b>	0.16596 <.0001	0.18178 <.0001	0.18272 <.0001	0.17245 <.0001	0.15601 <.0001	0.07772 <.0001	0.11107 <.0001	0.14186 <.0001	0.11502 <.0001	0.30976 <.0001	0.27188 <.0001	0.20109 <.0001	0.34842 <.0001	1.00000 <.0001	0.37881 <.0001	0.33225 <.0001	0.05 <.
<b>SATIS25</b>	0.22674 <.0001	0.24360 <.0001	0.25007 <.0001	0.26987 <.0001	0.21392 <.0001	0.16195 <.0001	0.13957 <.0001	0.20369 <.0001	0.16661 <.0001	0.35565 <.0001	0.30449 <.0001	0.19066 <.0001	0.42685 <.0001	0.37881 <.0001	1.00000 <.0001	0.42262 <.0001	0.14 <.
<b>SATIS28</b>	0.26381 <.0001	0.22508 <.0001	0.28741 <.0001	0.25759 <.0001	0.24809 <.0001	0.11502 <.0001	0.09626 <.0001	0.19912 <.0001	0.28381 <.0001	0.52958 <.0001	0.40205 <.0001	0.23801 <.0001	0.48727 <.0001	0.33225 <.0001	0.42262 <.0001	1.00000 <.0001	0.11 <.
<b>CSSRAT16</b>	0.16161 <.0001	0.14941 <.0001	0.09127 <.0001	0.16605 <.0001	0.24410 <.0001	0.14893 <.0001	0.31906 <.0001	0.09515 <.0001	0.21437 <.0001	0.12594 <.0001	0.11691 <.0001	0.01853 <.0001	0.08237 <.0001	0.09526 <.0001	0.14299 <.0001	0.15545 <.0001	1.00 <.
<b>GENACT05</b>	0.02599 0.0671	-0.00469 0.7410	0.03512 0.0133	-0.00694 0.6253	-0.00476 0.7373	-0.05885 <.0001	0.02094 0.1402	-0.06358 <.0001	-0.02416 0.0888	-0.04789 0.0007	-0.03631 0.0105	-0.04661 0.0010	-0.03685 0.0094	-0.05351 0.0002	-0.02762 0.0517	-0.04650 0.0011	-0.1 <.
<b>COLACT19</b>	0.00833 0.5576	-0.00349 0.8060	0.00433 0.7602	-0.00540 0.7040	-0.00837 0.5556	-0.01565 0.2705	0.00095 0.9466	-0.01757 0.2159	-0.03980 0.0051	-0.00285 0.8410	-0.01036 0.4655	-0.01963 0.1669	-0.11000 0.4386	0.00411 0.7723	0.01677 0.2376	-0.01503 0.2897	0.00 0.
<b>COLACT17</b>	0.05287 0.0002	0.06222 <.0001	0.05022 0.0004	0.05606 <.0001	0.06195 <.0001	0.05779 <.0001	0.09096 <.0001	0.07218 <.0001	0.04264 0.0027	0.01708 0.2289	0.01271 0.3707	0.02341 0.0991	0.01993 0.1604	0.02281 0.1081	0.06184 0.0001	0.00860 0.5447	0.00 0.
<b>FATHEDUC</b>	0.02115 0.1363	0.02378 0.0939	0.06925 <.0001	0.03973 0.0051	0.02200 0.1212	0.13649 0.4396	-0.01097 0.0013	0.03964 0.0052	0.04559 0.0013	0.07480 0.0001	0.04182 0.0032	0.02513 0.0768	0.09658 0.0001	-0.00063 0.9645	0.05767 0.0001	0.07585 0.0001	0.00 0.
<b>MOTHEDUC</b>	0.01607 0.2577	0.02512 0.0768	0.06683 <.0001	0.05647 0.0282	0.03116 0.0282	0.12082 0.0282	-0.00291 0.0096	0.03677 0.0002	0.05358 0.0001	0.05943 0.00403	0.02912 0.6774	0.00591 0.0001	0.10194 0.1585	0.02002 0.0001	0.06663 0.0001	0.07861 0.0001	0.00 0.
<b>RACEGROUP</b>	0.00868 0.5410	0.02625 0.0645	-0.04337 0.0022	0.00582 0.6819	0.03688 0.0094	-0.08634 0.0001	0.03109 0.0285	-0.06884 0.0003	-0.05155 0.0003	-0.10137 0.0001	-0.01924 0.1754	-0.02951 0.0376	-0.05482 0.0001	0.01563 0.2709	-0.02542 0.0734	-0.09428 0.0001	0.00 0.
<b>UndrRepStud_RC</b>	0.02773 0.0508	0.02447 0.0848	-0.02620 0.0650	0.01564 0.2707	0.04389 0.0020	-0.07661 0.0001	0.03050 0.0317	-0.04721 0.0009	-0.04473 0.0016	-0.08420 0.0001	-0.00654 0.6452	-0.03574 0.0118	-0.04942 0.0005	0.02493 0.0791	-0.02108 0.1377	-0.06957 0.0001	0.00 0.
<b>FINCON_RC</b>	-0.02014 0.1562	-0.00754 0.5954	-0.02958 0.0372	-0.03390 0.0169	-0.04276 0.0026	-0.09544 0.0001	-0.02493 0.0791	-0.05849 0.0009	-0.04723 0.0001	-0.06978 0.0001	-0.05986 0.0024	-0.04302 0.0015	-0.04502 0.7563	-0.00441 0.0047	-0.04017 0.0001	-0.07330 0.0001	0.00 0.
<b>FirstGen_RC</b>	-0.03186 0.0248	-0.03294 0.0203	-0.04970 0.0005	-0.05548 <.0001	-0.02960 0.0371	-0.10653 0.0001	0.00229 0.8721	-0.02167 0.1269	-0.03158 0.0261	-0.03780 0.0078	-0.03968 0.0052	-0.00304 0.8307	-0.09269 0.0001	0.00630 0.6571	-0.06928 0.0001	-0.06918 0.0001	0.00 0.
<b>INCOME</b>	0.01481 0.2969	0.01847 0.1933	0.03938 0.0055	0.03620 0.0108	0.01026 0.4699	0.11565 0.0001	0.04068 0.0042	0.04906 0.0005	0.07063 0.0001	0.07506 0.0002	0.05320 0.0002	0.00624 0.0001	0.08413 0.4677	-0.01031 0.0001	0.07328 0.0001	0.08218 0.0001	0.00 0.
<b>HSGPA</b>	0.02869 0.0433	0.04331 0.0023	0.11719 0.0015	0.03588 0.9774	-0.00040 0.0015	0.36539 0.0001	0.13115 0.0001	0.16675 0.0001	0.03786 0.0077	0.08821 0.0001	0.06559 0.0001	0.14075 0.0001	0.11358 0.0159	0.03424 0.0001	0.08919 0.0001	0.10884 0.0001	0.00 0.
<b>CITIZEN</b>	-0.00302 0.8313	-0.03937 0.0055	0.00501 0.7240	-0.03371 0.0176	-0.02036 0.1515	0.00644 0.6503	-0.02028 0.1532	0.00484 0.7331	0.02518 0.0761	0.01646 0.2463	0.00001 0.9997	-0.01818 0.2005	0.01137 0.4234	-0.01947 0.1767	-0.01918 0.0054	0.03946 0.0001	0.00 0.
<b>PLANLIVE</b>	0.03291 0.0205	0.03606 0.0111	0.04479 0.0016	0.05585 0.00303	0.03074 0.0011	0.04622 0.04407	0.01095 0.0017	-0.01652 0.0047	0.10877 0.0001	0.07928 0.0001	0.03710 0.0090	-0.00255 0.8574	0.07856 0.0001	0.02502 0.0780	0.07776 0.0001	0.08295 0.0001	0.00 0.
<b>DStud_RC</b>	0.00064 0.9641	-0.02513 0.0767	-0.02531 0.0747	-0.00552 0.6977	-0.00145 0.9189	0.00216 0.8791	0.01701 0.2309	0.00879 0.5358	-0.00936 0.5098	0.00946 0.5052	0.01962 0.1670	-0.00155 0.9132	-0.00099 0.9445	0.02782 0.0501	0.01533 0.2802	0.00687 0.6286	0.00 0.
<b>SIFRAT01</b>	0.06520 <.0001	0.07482 <.0001	0.16781 <.0001	0.08481 0.0199	0.03304 0.0001	0.48434 0.0001	0.16884 0.0001	0.14663 0.0137	0.03499 0.0001	0.07274 0.0001	0.06619 0.0001	0.11970 0.0001	0.16340 0.0012	0.04585 0.0012	0.12343 0.0001	0.10805 0.0001	0.00 0.
<b>SIFRAT07</b>	0.07892 <.0001	0.08550 <.0001	0.09522 <.0001	0.10371 0.0001	0.08365 0.0001	0.22322 0.0001	0.04036 0.0017	0.14545 0.0001	0.06502 0.0001	0.04774 0.0008	0.06859 0.0008	0.07218 0.0001	0.06851 0.0011	0.04644 0.0011	0.09884 0.0001	0.06348 0.0001	0.1 <.
<b>SIFMAJA</b>	-0.00713 0.6153	-0.00767 0.5893	0.03925 0.0057	0.03681 0.0095	-0.02696 0.0575	0.01935 0.1730	-0.05659 0.1242	0.02183 0.3946	-0.01209 0.1349	-0.02123 0.4399	-0.01097 0.0001	-0.09249 0.0001	0.00472 0.7397	-0.00422 0.7663	0.00703 0.9592	0.00634 0.6550	0.00 0.
<b>CSSHWP01</b>	0.14000 <.0001	0.18019 <.0001	0.15941 <.0001	0.15862 <.0001	0.04465 0.0001	0.16961 0.0001	0.17291 0.0001	0.16811 0.0001	0.05499 0.0001	0.06525 0.0001	0.13657 0.0001	0.13318 0.0001	0.18264 0.0001	0.08680 0.0001	0.13863 0.0001	0.11323 0.0001	0.00 0.
<b>CSSHWP02</b>	0.03112 0.0284	0.05132 0.0003	0.10605 0.0001	0.02844 0.0452	0.00367 0.7960	0.08498 0.0001	0.07398 0.0001	0.05861 0.0001	0.02467 0.0823	0.02279 0.1085	-0.00319 0.8225	0.10756 0.0001	0.02377 0.0941	0.00087 0.9513	0.03398 0.0167	0.04639 0.0011	0.00 0.
<b>CSSHWP03</b>	0.05892 <.0001	0.03088 0.0296	0.06620 0.0001	0.08519 0.0001	0.06723 0.0473	0.02816 0.0083	-0.03749 0.2223	0.01733 0.0001	0.23811 0.0001	0.11716 0.0277	0.03126 0.0670	-0.02601 0.0014	0.04528 0.3572	-0.01307 0.0001	0.05853 0.12251	0.1 <.	
<b>CSSHWP05</b>	0.02546 0.0730	0.03387 0.0170	-0.00620 0.6625	0.06209 0.0511	0.02769 0.7285	0.00493 0.0603	0.02667 0.1182	-0.02218 0.0001	0.13847 0.0001	0.01634 0.2498	0.04928 0.0005	-0.03176 0.0253	0.02083 0.1423	-0.03590 0.0114	0.02674 0.0596	0.03416 0.1611	0.00 0.
<b>CSSHWP08</b>	0.02853 0.0445	0.05383 0.0001	0.05845 0.0002	0.05201 0.0001	0.16654 0.0001	0.06633 0.0001	0.10377 0.0177	0.03366 0.0177	0.14749 0.0001	0.12042 0.0001	0.07810 0.0124	0.03549 0.0001	0.08416 0.0001	0.05814 0.0001	0.11071 0.0001	0.14324 0.0001	0.00 0.
<b>COLLGPA</b>	0.03244 0.0223	0.05666 0.0001	0.14845 0.0001	0.05723 0.5613	0.00825 0.0001	0.50282 0.0001	0.17639 0.0001	0.32702 0.0001	0.01667 0.2403	0.07371 0.0001	0.08282 0.0001	0.08666 0.0001	0.14752 0.0001	0.07430 0.0001	0.13474 0.0001	0.11605 0.0001	0.00 0.
<b>Success_Latent</b>	0.52800 <.0001	0.74536 <.0001	0.46426 <.0001	0.59801 <.0001	0.71829 0.0001	0.18133 0.0001	0.24452 0.0001	0.41899 0.0001	0.29153 0.0001	0.37605 0.0001	0.35403 0.0001	0.22172 0.0001	0.42704 0.0001	0.29550 0.0001	0.39294 0.0001	0.60164 0.0001	0.2 <.