The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
CID	28799	9.9556732E12	528668262	9.9556E12	9.9644E12
Zip	28799	49023.47	24084.64	0	99687.00
FRE	28799	5.0390291	6.3491216	1.0000000	115.0000000
MON	28799	473.2124633	659.3274137	0.9900000	24140.33
CC	28799	0.3830341	0.4861350	0	1.0000000
AVRG	28799	113.5883176	86.9808026	0.4900000	1919.88
PSWEAT	28799	0.2139460	0.2311677	-0.9700000	1.0000000
PKNITop	28799	0.0272138	0.0680677	-0.3100000	1.0000000
PKNITDress	28799	0.0411240	0.1109860	-0.7100000	1.0000000
PBBLouse	28799	0.0930296	0.1355609	-0.6600000	1.0000000
PBJ	28799	0.1356939	0.1841386	-0.3600000	1.0000000
PCAR	28799	0.0851193	0.1411686	-0.7700000	1.0000000
PCAS	28799	0.0686125	0.1327096	-0.5000000	1.0000000
PShirt	28799	0.0657492	0.1167469	-0.7500000	1.0000000
Pdress	28799	0.0683635	0.1579639	-0.4200000	1.0000000
PSuit	28799	0.0333671	0.1300946	-0.5900000	1.0000000
POW	28799	0.0181944	0.1000981	-0.7300000	1.0000000
PJ	28799	0.0097621	0.0364999	-0.1100000	1.0000000
PF	28799	0.0300010	0.0796572	-0.6700000	1.0000000
PL	28799	0.0127216	0.0500886	-0.1000000	1.0000000
PC	28799	0.0735088	0.1765617	-0.4400000	1.0000000
GMP	28799	0.5179412	0.1722468	-6.4600000	0.9900000
PROMOS	28799	11.5391159	7.1393560	0	38.0000000
DAYS	28799	436.9161776	192.9708984	1.0000000	717.0000000
MDown	28799	0.1871020	0.1292032	0	0.9500000
CLUST	28799	15.1638599	12.2464390	0	50.0000000
Percent	28799	0.1291021	0.5431292	0	40.9200000
IDays	28799	4.7932341	0.8727006	0	6.5800000
Ilife	28799	3.9237425	1.0204171	-2.4100000	5.9000000

The UNIVARIATE Procedure
Variable: Zip

Moments			
N	28799	Sum Weights	28799
Mean	49023.4723	Sum Observations	1411826980
Std Deviation	24084.6363	Variance	580069708
Skewness	0.02132982	Kurtosis	-0.8157466
Uncorrected SS	8.59175E13	Corrected SS	1.67048E13
Coeff Variation	49.128785	Std Error Mean	141.922545

Basic Statistical Measures			
Location		Variability	
Mean	49023.47	Std Deviation	24085
Median	48335.00	Variance	580069708
Mode	55125.00	Range	99687
		Interquartile Range	36708

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	345.4241	Pr > |t|	<.0001
Sign	M	14399	Pr >= |M|	<.0001
Signed Rank	S	2.0734E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	99687
99%	95816
95%	91754
90%	79924
75% Q3	67052
50% Median	48335
25% Q1	30344
10%	15367
5%	8081
1%	2726
0% Min	0

The UNIVARIATE Procedure
Variable: Zip

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	13431	99208	28518
1001	7412	99218	17570
1001	7390	99350	28519
1001	7389	99516	13880
1001	1	99687	17669

The UNIVARIATE Procedure
Variable: FRE

Moments			
N	28799	Sum Weights	28799
Mean	5.03902913	Sum Observations	145119
Std Deviation	6.34912164	Variance	40.3113456
Skewness	4.11150488	Kurtosis	28.4472325
Uncorrected SS	1892145	Corrected SS	1160886.13
Coeff Variation	125.998907	Std Error Mean	0.03741321

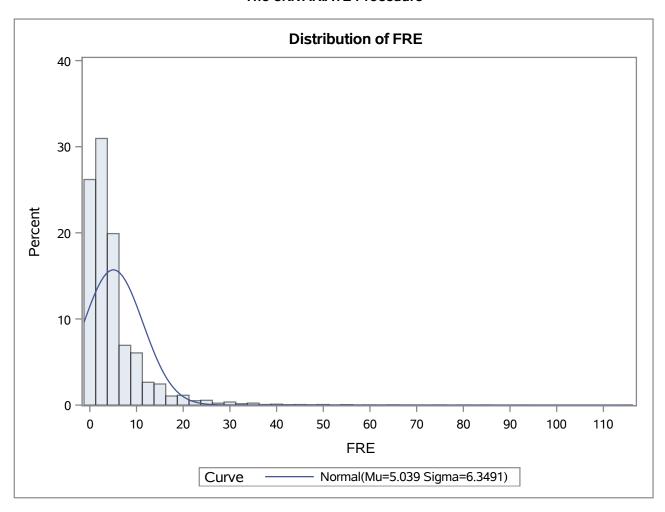| Basic Statistical Measures			
Location		Variability	
Mean	5.039029	Std Deviation	6.34912
Median	3.000000	Variance	40.31135
Mode	1.000000	Range	114.00000
		Interquartile Range	5.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	134.6858	Pr > |t|	<.0001
Sign	M	14399.5	Pr >= |M|	<.0001
Signed Rank	S	2.0735E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	115
99%	31
95%	16
90%	11
75% Q3	6
50% Median	3
25% Q1	1
10%	1
5%	1
1%	1
0% Min	1

The UNIVARIATE Procedure
Variable: FRE

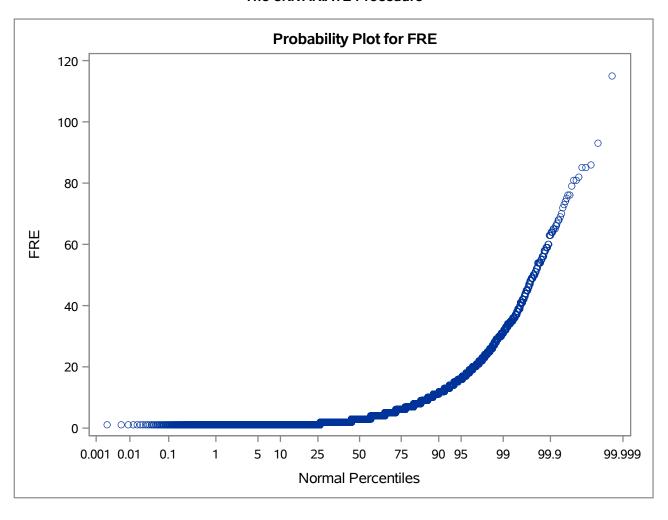| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1	28793	85	10342
1	28786	85	18339
1	28783	86	6855
1	28781	93	26798
1	28780	115	1654

The UNIVARIATE Procedure

Distribution of FRE

Curve ——— Normal(Mu=5.039 Sigma=6.3491)

The UNIVARIATE Procedure
Fitted Normal Distribution for FRE

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	5.039029
Std Dev	Sigma	6.349122

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.26234	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	536.06496	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	2867.14229	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-9.73124
5.0	1.00000	-5.40435
10.0	1.00000	-3.09770
25.0	1.00000	0.75661
50.0	3.00000	5.03903
75.0	6.00000	9.32145
90.0	11.00000	13.17576
95.0	16.00000	15.48240
99.0	31.00000	19.80929

The UNIVARIATE Procedure

Probability Plot for FRE

The UNIVARIATE Procedure
Variable: MON

Moments			
N	28799	Sum Weights	28799
Mean	473.212463	Sum Observations	13628045.7
Std Deviation	659.327414	Variance	434712.638
Skewness	7.8972696	Kurtosis	158.343396
Uncorrected SS	1.89678E10	Corrected SS	1.25189E10
Coeff Variation	139.330103	Std Error Mean	3.8851915

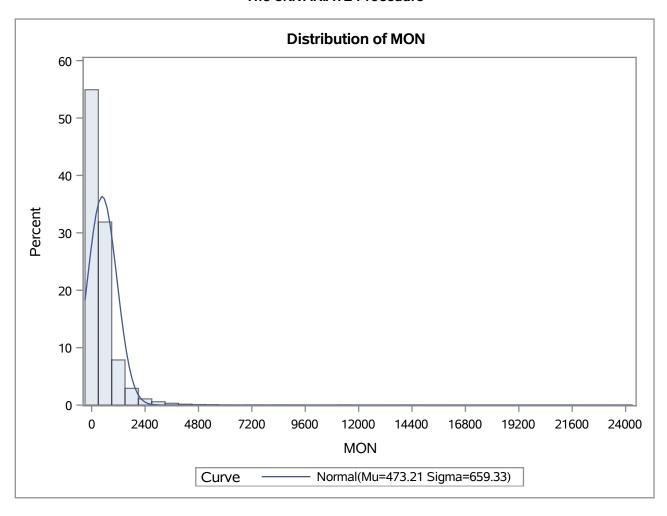| Basic Statistical Measures			
Location		**Variability**	
Mean	473.2125	Std Deviation	659.32741
Median	261.0000	Variance	434713
Mode	98.0000	Range	24139
		Interquartile Range	432.52000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	121.799	Pr > |t|	<.0001
Sign	M	14399.5	Pr >= |M|	<.0001
Signed Rank	S	2.0735E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	24140.33
99%	3008.79
95%	1540.63
90%	1073.50
75% Q3	567.58
50% Median	261.00
25% Q1	135.06
10%	88.25
5%	75.00
1%	41.98
0% Min	0.99

The UNIVARIATE Procedure
Variable: MON

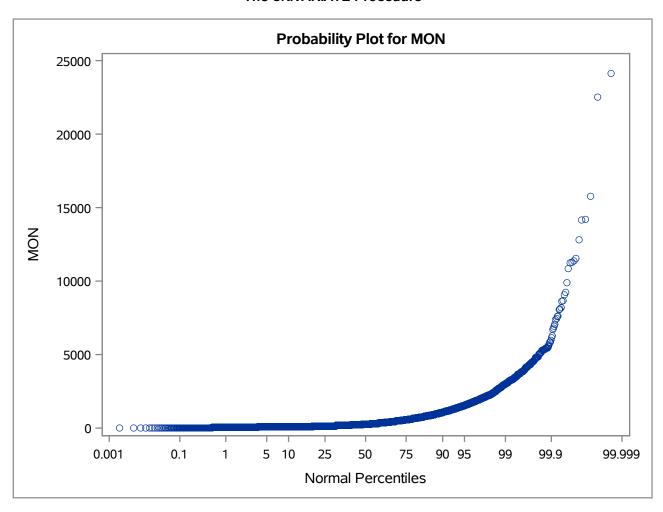| Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
0.99	22869	14162.8	12425
1.99	15824	14205.4	28010
4.00	22757	15783.7	15994
4.18	25552	22511.5	8265
4.99	21659	24140.3	1379

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Fitted Normal Distribution for MON

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	473.2125
Std Dev	Sigma	659.3274

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.25136	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	576.47386	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	3053.41097	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	41.9800	-1060.6125
5.0	75.0000	-611.2846
10.0	88.2500	-371.7496
25.0	135.0600	28.5029
50.0	261.0000	473.2125
75.0	567.5800	917.9220
90.0	1073.5000	1318.1745
95.0	1540.6300	1557.7096
99.0	3008.7900	2007.0374

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Variable: CC

Moments			
N	28799	Sum Weights	28799
Mean	0.38303413	Sum Observations	11031
Std Deviation	0.48613495	Variance	0.23632719
Skewness	0.48124081	Kurtosis	-1.7685301
Uncorrected SS	11031	Corrected SS	6805.75048
Coeff Variation	126.916875	Std Error Mean	0.00286463

Basic Statistical Measures			
Location		Variability	
Mean	0.383034	Std Deviation	0.48613
Median	0.000000	Variance	0.23633
Mode	0.000000	Range	1.00000
		Interquartile Range	1.00000

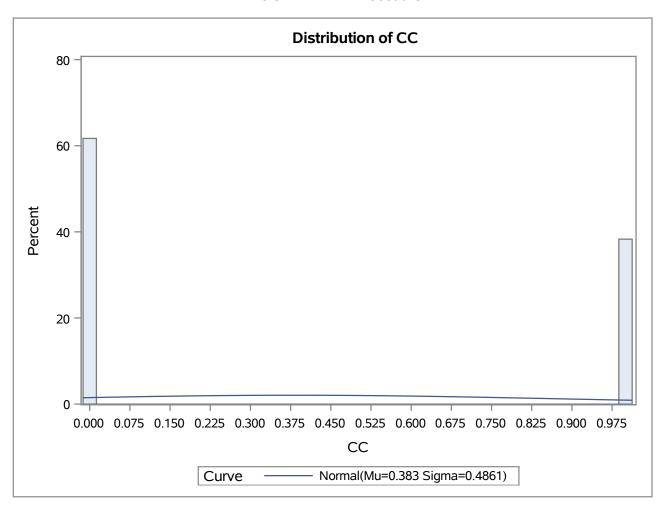| Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	133.7117	Pr > |t|	<.0001
Sign	M	5515.5	Pr >= |M|	<.0001
Signed Rank	S	30423498	Pr >= |S|	<.0001

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

The UNIVARIATE Procedure
Variable: CC

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
0	28798	1	28789
0	28797	1	28790
0	28795	1	28792
0	28794	1	28796
0	28793	1	28799

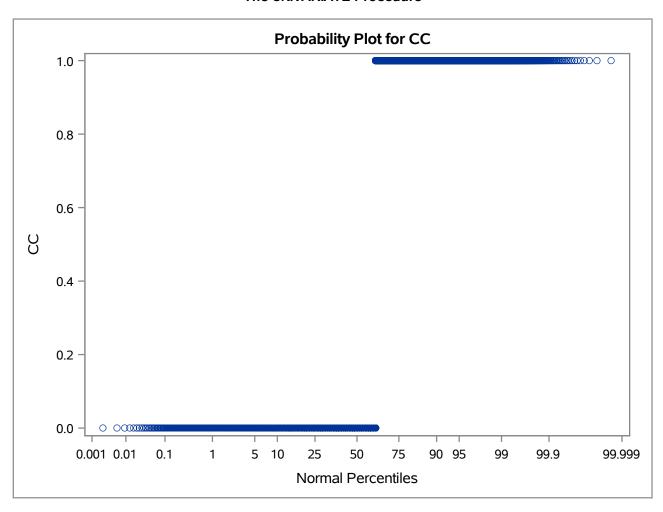**The UNIVARIATE Procedure**

Distribution of CC

The UNIVARIATE Procedure
Fitted Normal Distribution for CC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.383034
Std Dev	Sigma	0.486135

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.40159	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	940.52309	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	5552.58429	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.74788
5.0	0.00000	-0.41659
10.0	0.00000	-0.23997
25.0	0.00000	0.05514
50.0	0.00000	0.38303
75.0	1.00000	0.71093
90.0	1.00000	1.00604
95.0	1.00000	1.18265
99.0	1.00000	1.51395

The UNIVARIATE Procedure

Probability Plot for CC

The UNIVARIATE Procedure
Variable: AVRG

Moments			
N	28799	Sum Weights	28799
Mean	113.588318	Sum Observations	3271229.96
Std Deviation	86.9808026	Variance	7565.66002
Skewness	3.66459536	Kurtosis	32.3414563
Uncorrected SS	589449385	Corrected SS	217875877
Coeff Variation	76.5754828	Std Error Mean	0.51254819

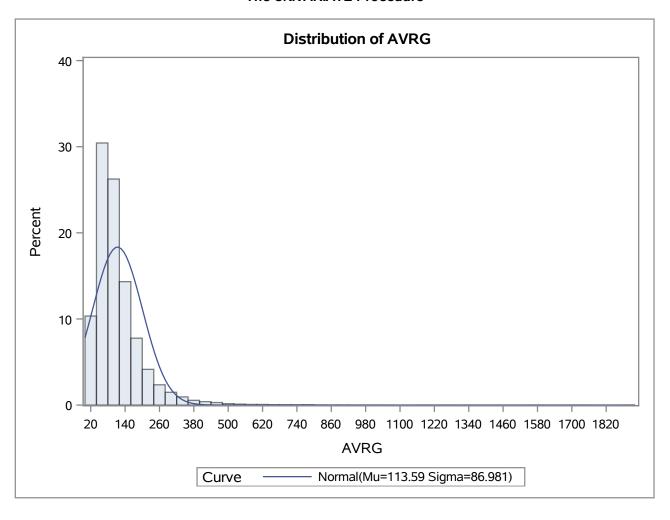| Basic Statistical Measures			
Location		Variability	
Mean	113.5883	Std Deviation	86.98080
Median	92.0000	Variance	7566
Mode	98.0000	Range	1919
		Interquartile Range	78.52000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	221.6149	Pr > |t|	<.0001
Sign	M	14399.5	Pr >= |M|	<.0001
Signed Rank	S	2.0735E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1919.88
99%	436.43
95%	267.65
90%	206.98
75% Q3	139.50
50% Median	92.00
25% Q1	60.98
10%	39.62
5%	30.67
1%	17.11
0% Min	0.49

The UNIVARIATE Procedure
Variable: AVRG

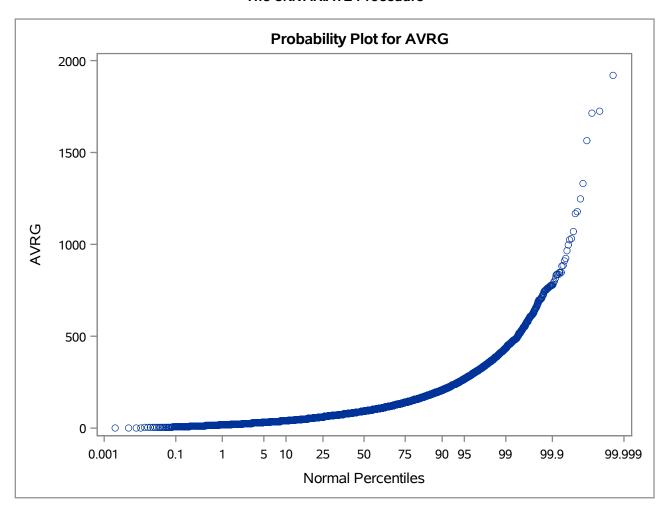| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.49	22869	1331.94	1095
1.99	15824	1564.51	20671
2.09	25552	1714.97	18646
2.16	17449	1725.85	6533
2.50	14770	1919.88	24159

The UNIVARIATE Procedure

Distribution of AVRG

The UNIVARIATE Procedure
Fitted Normal Distribution for AVRG

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	113.5883
Std Dev	Sigma	86.9808

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.14120	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	241.85254	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	1393.01335	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	17.1100	-88.75929
5.0	30.6700	-29.48237
10.0	39.6200	2.11793
25.0	60.9800	54.92066
50.0	92.0000	113.58832
75.0	139.5000	172.25598
90.0	206.9800	225.05870
95.0	267.6500	256.65901
99.0	436.4300	315.93592

The UNIVARIATE Procedure

Probability Plot for AVRG

The UNIVARIATE Procedure
Variable: PSWEAT

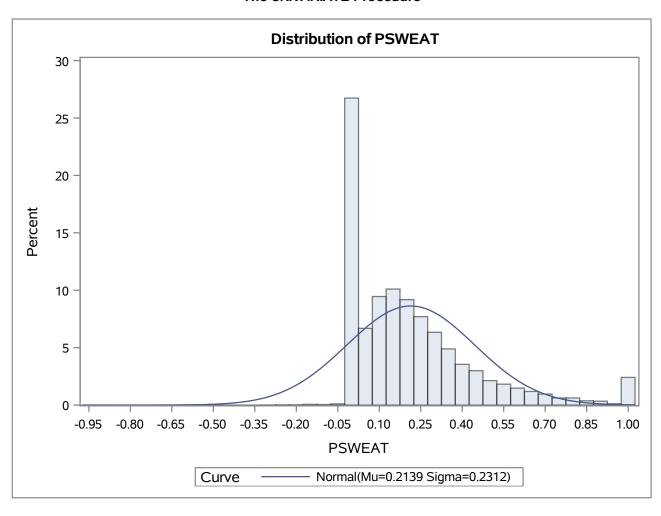| Moments			
N	28799	Sum Weights	28799
Mean	0.21394597	Sum Observations	6161.43
Std Deviation	0.23116771	Variance	0.05343851
Skewness	1.45403645	Kurtosis	2.16345916
Uncorrected SS	2857.1353	Corrected SS	1538.92218
Coeff Variation	108.049573	Std Error Mean	0.00136219

Basic Statistical Measures			
Location		**Variability**	
Mean	0.213946	Std Deviation	0.23117
Median	0.160000	Variance	0.05344
Mode	0.000000	Range	1.97000
		Interquartile Range	0.31000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	157.06	Pr > |t|	<.0001
Sign	M	10607	Pr >= |M|	<.0001
Signed Rank	S	1.1451E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	1.00
95%	0.70
90%	0.52
75% Q3	0.31
50% Median	0.16
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.97

The UNIVARIATE Procedure
Variable: PSWEAT

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.97	22869	1	28292
-0.91	22654	1	28313
-0.60	2866	1	28334
-0.47	14239	1	28718
-0.32	7734	1	28793

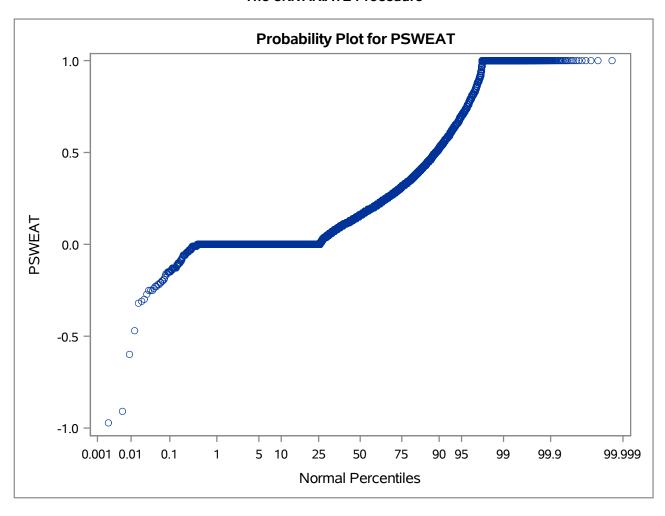## The UNIVARIATE Procedure

Distribution of PSWEAT

The UNIVARIATE Procedure
Fitted Normal Distribution for PSWEAT

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.213946
Std Dev	Sigma	0.231168

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.17332	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	181.83673	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	1189.81180	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.32383
5.0	0.00000	-0.16629
10.0	0.00000	-0.08231
25.0	0.00000	0.05803
50.0	0.16000	0.21395
75.0	0.31000	0.36987
90.0	0.52000	0.51020
95.0	0.70000	0.59418
99.0	1.00000	0.75172

The UNIVARIATE Procedure

Probability Plot for PSWEAT

The UNIVARIATE Procedure
Variable: PKNITop

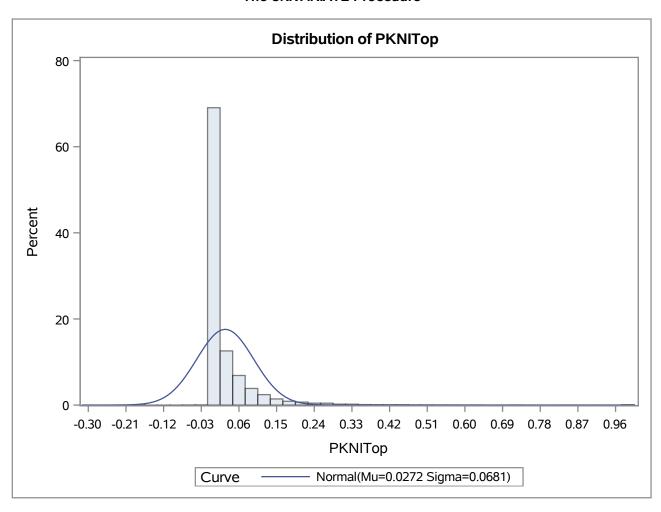| Moments			
N	28799	Sum Weights	28799
Mean	0.02721379	Sum Observations	783.73
Std Deviation	0.0680677	Variance	0.00463321
Skewness	5.94534345	Kurtosis	57.3305088
Uncorrected SS	154.7555	Corrected SS	133.427235
Coeff Variation	250.122071	Std Error Mean	0.0004011

Basic Statistical Measures			
Location		Variability	
Mean	0.027214	Std Deviation	0.06807
Median	0.000000	Variance	0.00463
Mode	0.000000	Range	1.31000
		Interquartile Range	0.03000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	67.84794	Pr > |t|	<.0001
Sign	M	5277	Pr >= |M|	<.0001
Signed Rank	S	28358888	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.30
95%	0.14
90%	0.08
75% Q3	0.03
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.31

The UNIVARIATE Procedure
Variable: PKNITop

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.31	10449	1	23403
-0.24	19652	1	23521
-0.18	18665	1	24089
-0.14	5707	1	25776
-0.13	2582	1	26009

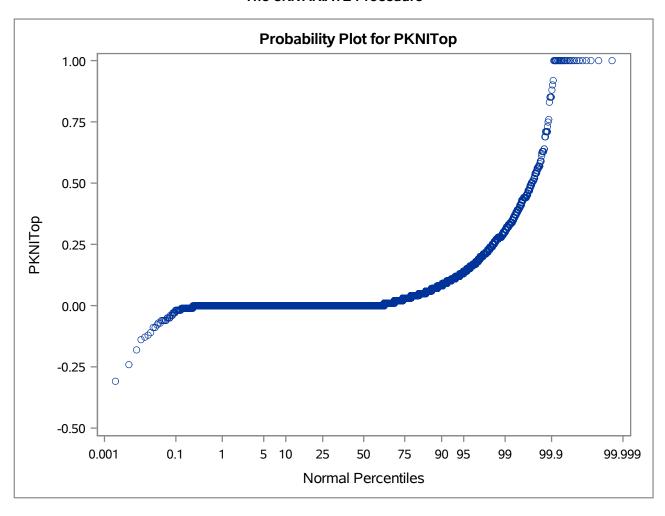**The UNIVARIATE Procedure**

Distribution of PKNITop

The UNIVARIATE Procedure
Fitted Normal Distribution for PKNITop

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.027214
Std Dev	Sigma	0.068068

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.34218	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1024.87352	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	5050.43965	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.13114
5.0	0.00000	-0.08475
10.0	0.00000	-0.06002
25.0	0.00000	-0.01870
50.0	0.00000	0.02721
75.0	0.03000	0.07312
90.0	0.08000	0.11445
95.0	0.14000	0.13918
99.0	0.30000	0.18556

The UNIVARIATE Procedure

Probability Plot for PKNITop

The UNIVARIATE Procedure
Variable: PKNITDress

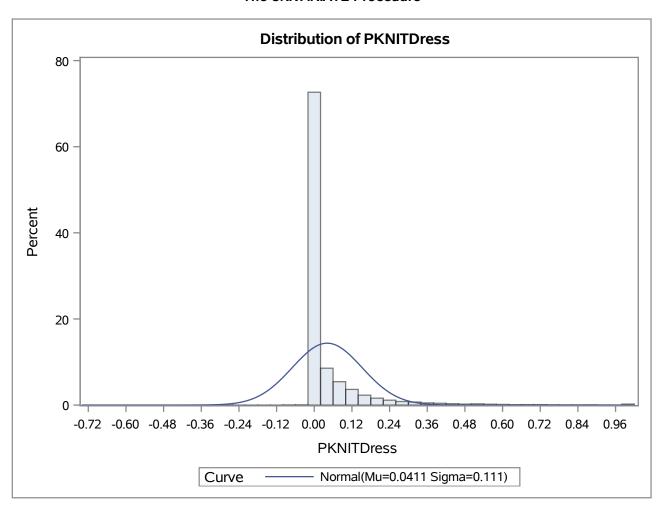| Moments			
N	28799	Sum Weights	28799
Mean	0.041124	Sum Observations	1184.33
Std Deviation	0.11098598	Variance	0.01231789
Skewness	4.47704933	Kurtosis	25.7774069
Uncorrected SS	403.4349	Corrected SS	354.730516
Coeff Variation	269.881297	Std Error Mean	0.000654

Basic Statistical Measures			
Location		**Variability**	
Mean	0.041124	Std Deviation	0.11099
Median	0.000000	Variance	0.01232
Mode	0.000000	Range	1.71000
		Interquartile Range	0.02000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	62.88049	Pr > |t|	<.0001
Sign	M	4313.5	Pr >= |M|	<.0001
Signed Rank	S	19083494	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.57
95%	0.24
90%	0.13
75% Q3	0.02
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.71

The UNIVARIATE Procedure
Variable: PKNITDress

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.71	28650	1	24641
-0.41	18757	1	24875
-0.36	16946	1	24898
-0.28	4286	1	26410
-0.25	8694	1	28447

The UNIVARIATE Procedure
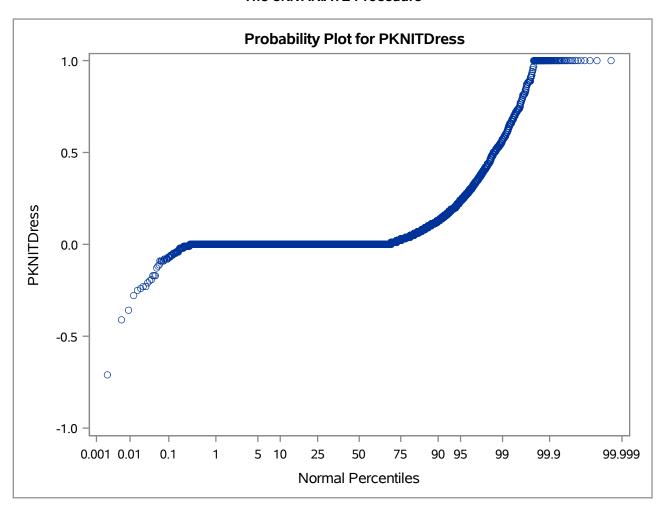

Distribution of PKNITDress

The UNIVARIATE Procedure
Fitted Normal Distribution for PKNITDress

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.041124
Std Dev	Sigma	0.110986

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.35254	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1226.04058	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	5940.60333	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.21707
5.0	0.00000	-0.14143
10.0	0.00000	-0.10111
25.0	0.00000	-0.03373
50.0	0.00000	0.04112
75.0	0.02000	0.11598
90.0	0.13000	0.18336
95.0	0.24000	0.22368
99.0	0.57000	0.29932

The UNIVARIATE Procedure

Probability Plot for PKNITDress

The UNIVARIATE Procedure
Variable: PBBLouse

Moments			
N	28799	Sum Weights	28799
Mean	0.09302962	Sum Observations	2679.16
Std Deviation	0.13556091	Variance	0.01837676
Skewness	2.57800798	Kurtosis	10.0454458
Uncorrected SS	778.4552	Corrected SS	529.213966
Coeff Variation	145.718013	Std Error Mean	0.00079881

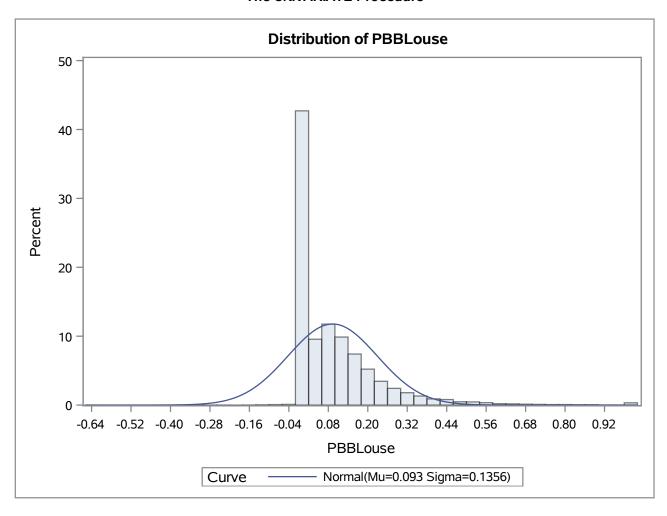| Basic Statistical Measures			
Location		Variability	
Mean	0.093030	Std Deviation	0.13556
Median	0.050000	Variance	0.01838
Mode	0.000000	Range	1.66000
		Interquartile Range	0.14000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	116.4596	Pr > |t|	<.0001
Sign	M	8321.5	Pr >= |M|	<.0001
Signed Rank	S	70891460	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.62
95%	0.35
90%	0.25
75% Q3	0.14
50% Median	0.05
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.66

The UNIVARIATE Procedure
Variable: PBBLouse

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.66	10970	1	27262
-0.38	24489	1	27626
-0.36	8997	1	27767
-0.35	10056	1	28248
-0.34	25314	1	28393

The UNIVARIATE Procedure
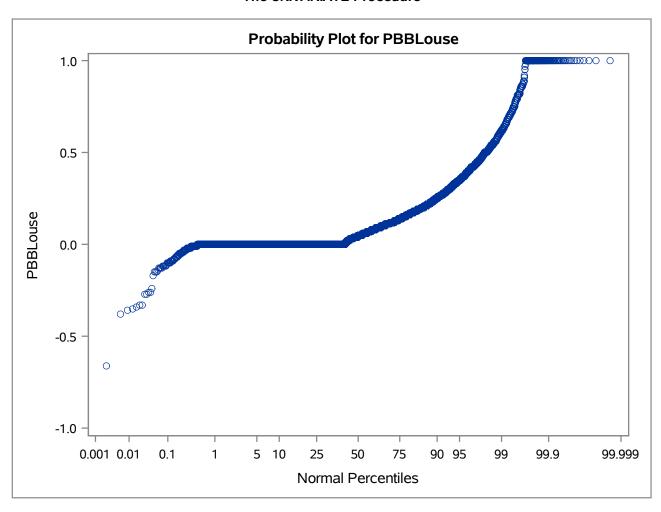

Distribution of PBBLouse

The UNIVARIATE Procedure
Fitted Normal Distribution for PBBLouse

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.09303
Std Dev	Sigma	0.135561

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.24180	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	394.70439	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	2237.23722	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.22233
5.0	0.00000	-0.12995
10.0	0.00000	-0.08070
25.0	0.00000	0.00160
50.0	0.05000	0.09303
75.0	0.14000	0.18446
90.0	0.25000	0.26676
95.0	0.35000	0.31601
99.0	0.62000	0.40839

The UNIVARIATE Procedure

Probability Plot for PBBLouse

The UNIVARIATE Procedure
Variable: PBJ

Moments			
N	28799	Sum Weights	28799
Mean	0.13569395	Sum Observations	3907.85
Std Deviation	0.18413858	Variance	0.03390702
Skewness	1.55864736	Kurtosis	2.5699646
Uncorrected SS	1506.7259	Corrected SS	976.454306
Coeff Variation	135.701398	Std Error Mean	0.00108507

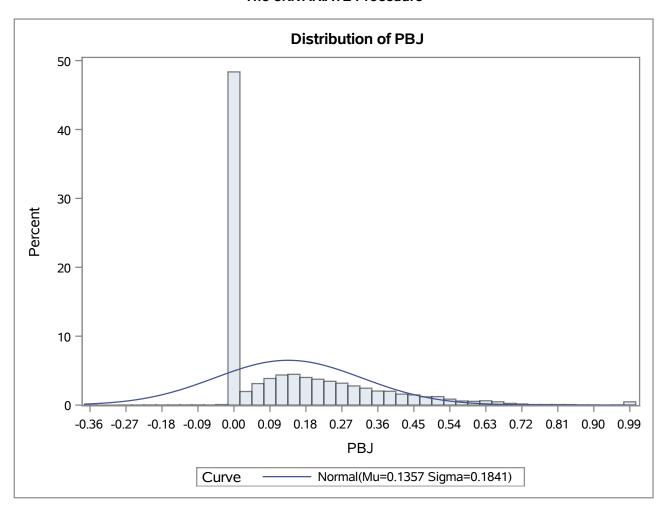| Basic Statistical Measures			
Location		Variability	
Mean	0.135694	Std Deviation	0.18414
Median	0.040000	Variance	0.03391
Mode	0.000000	Range	1.36000
		Interquartile Range	0.23000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	125.056	Pr > |t|	<.0001
Sign	M	7400	Pr >= |M|	<.0001
Signed Rank	S	55855304	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.71
95%	0.51
90%	0.40
75% Q3	0.23
50% Median	0.04
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.36

The UNIVARIATE Procedure
Variable: PBJ

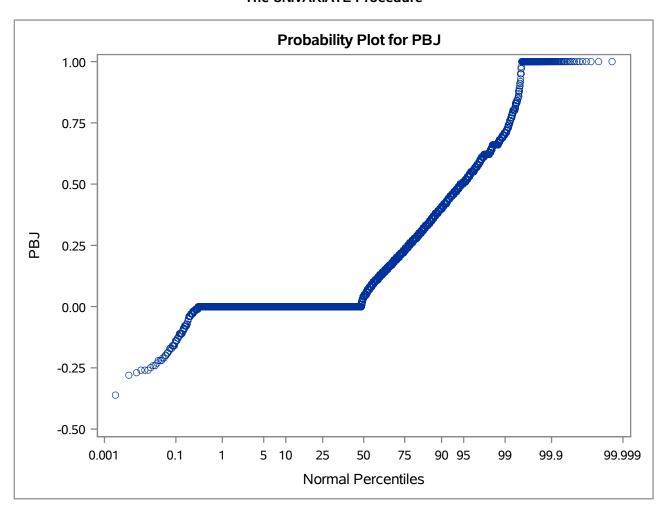| Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-0.36	8604	1	28040
-0.28	21720	1	28052
-0.27	20046	1	28229
-0.26	24717	1	28402
-0.26	5966	1	28676

The UNIVARIATE Procedure

Distribution of PBJ

The UNIVARIATE Procedure
Fitted Normal Distribution for PBJ

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.135694
Std Dev	Sigma	0.184139

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.25231	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	412.97074	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	2324.84268	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.00000	-0.29268
5.0	0.00000	-0.16719
10.0	0.00000	-0.10029
25.0	0.00000	0.01149
50.0	0.04000	0.13569
75.0	0.23000	0.25989
90.0	0.40000	0.37168
95.0	0.51000	0.43857
99.0	0.71000	0.56406

The UNIVARIATE Procedure

Probability Plot for PBJ

The UNIVARIATE Procedure
Variable: PCAR

Moments			
N	28799	Sum Weights	28799
Mean	0.08511927	Sum Observations	2451.35
Std Deviation	0.14116861	Variance	0.01992858
Skewness	2.43291661	Kurtosis	8.1169715
Uncorrected SS	782.5603	Corrected SS	573.903165
Coeff Variation	165.847997	Std Error Mean	0.00083186

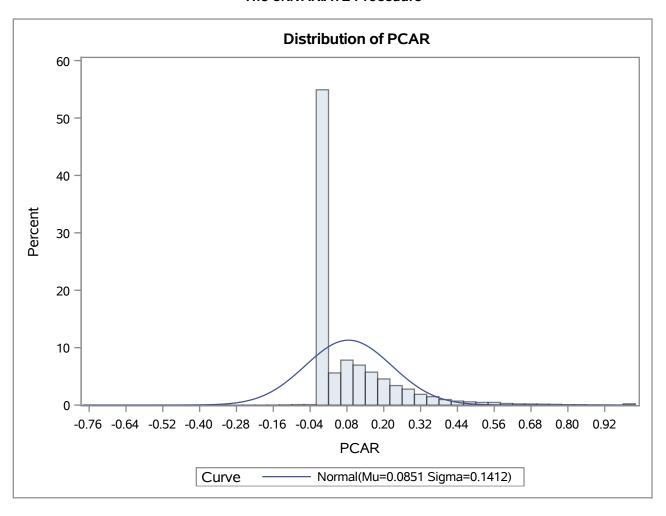| Basic Statistical Measures			
Location		Variability	
Mean	0.085119	Std Deviation	0.14117
Median	0.000000	Variance	0.01993
Mode	0.000000	Range	1.77000
		Interquartile Range	0.13000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	102.3242	Pr > |t|	<.0001
Sign	M	6483.5	Pr >= |M|	<.0001
Signed Rank	S	43226944	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.65
95%	0.37
90%	0.27
75% Q3	0.13
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.77

The UNIVARIATE Procedure
Variable: PCAR

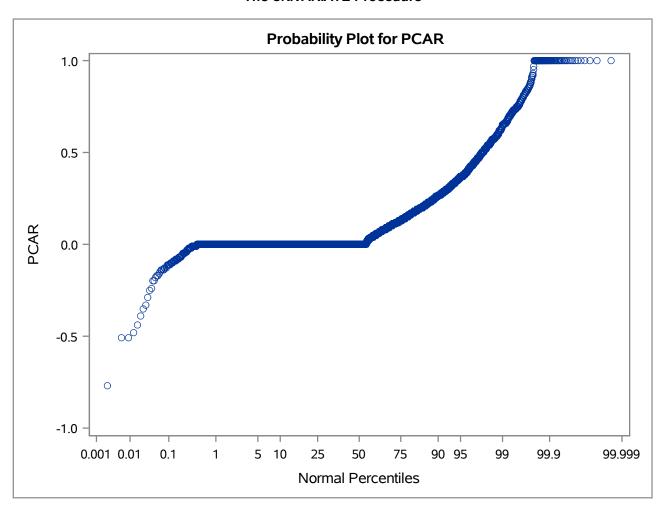| Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-0.77	532	1	27685
-0.51	13183	1	27723
-0.51	8604	1	27940
-0.48	25314	1	28127
-0.44	24487	1	28349

The UNIVARIATE Procedure

Distribution of PCAR

The UNIVARIATE Procedure
Fitted Normal Distribution for PCAR

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.085119
Std Dev	Sigma	0.141169

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.27231	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	597.63021	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	3163.72375	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.24329
5.0	0.00000	-0.14708
10.0	0.00000	-0.09580
25.0	0.00000	-0.01010
50.0	0.00000	0.08512
75.0	0.13000	0.18034
90.0	0.27000	0.26603
95.0	0.37000	0.31732
99.0	0.65000	0.41353

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Variable: PCAS

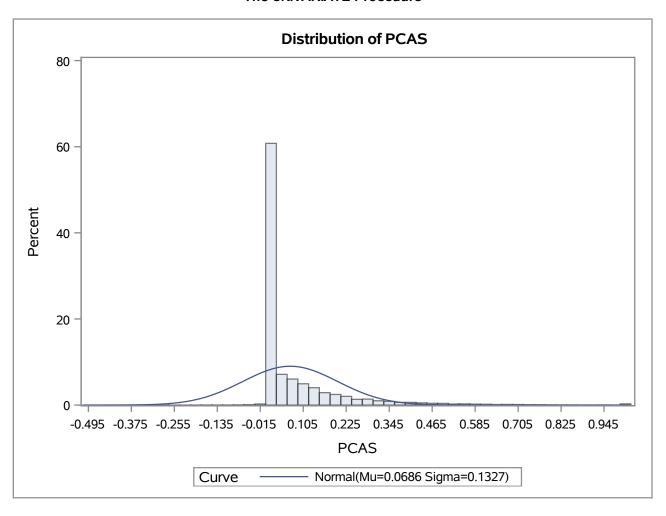| Moments			
N	28799	Sum Weights	28799
Mean	0.06861245	Sum Observations	1975.97
Std Deviation	0.13270958	Variance	0.01761183
Skewness	3.04140061	Kurtosis	12.1213943
Uncorrected SS	642.7617	Corrected SS	507.185554
Coeff Variation	193.41909	Std Error Mean	0.00078201

Basic Statistical Measures			
Location		Variability	
Mean	0.068612	Std Deviation	0.13271
Median	0.000000	Variance	0.01761
Mode	0.000000	Range	1.50000
		Interquartile Range	0.09000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	87.73833	Pr > |t|	<.0001
Sign	M	6046	Pr >= |M|	<.0001
Signed Rank	S	37963456	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.62
95%	0.34
90%	0.22
75% Q3	0.09
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.50

The UNIVARIATE Procedure
Variable: PCAS

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.50	2730	1	27699
-0.34	1371	1	27887
-0.30	15619	1	27893
-0.30	6632	1	28051
-0.28	7493	1	28353

The UNIVARIATE Procedure
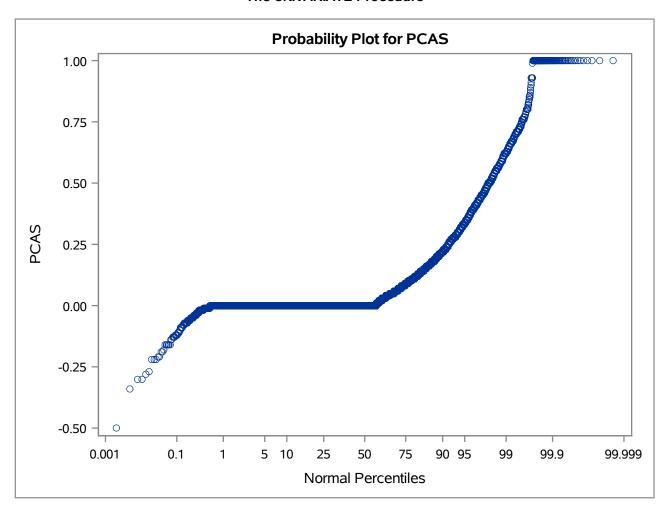
Distribution of PCAS

| Curve | Normal(Mu=0.0686 Sigma=0.1327) |

The UNIVARIATE Procedure
Fitted Normal Distribution for PCAS

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.068612
Std Dev	Sigma	0.13271

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.29719	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	791.32264	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	4036.36107	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.24012
5.0	0.00000	-0.14968
10.0	0.00000	-0.10146
25.0	0.00000	-0.02090
50.0	0.00000	0.06861
75.0	0.09000	0.15812
90.0	0.22000	0.23869
95.0	0.34000	0.28690
99.0	0.62000	0.37734

The UNIVARIATE Procedure

Probability Plot for PCAS

The UNIVARIATE Procedure
Variable: PShirt

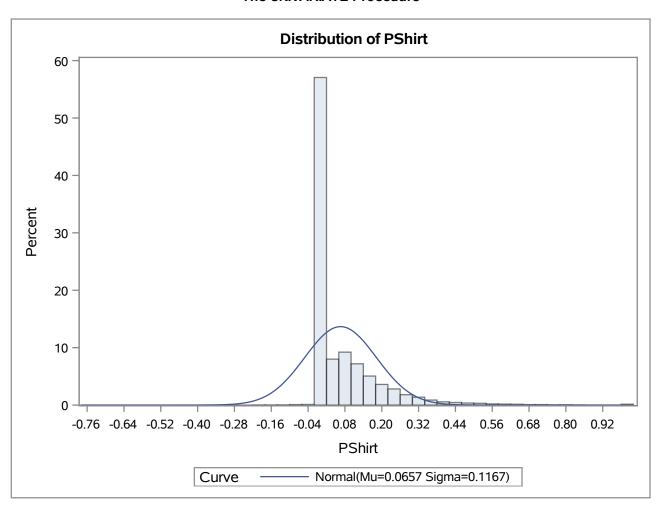| Moments			
N	28799	Sum Weights	28799
Mean	0.06574916	Sum Observations	1893.51
Std Deviation	0.11674689	Variance	0.01362984
Skewness	2.84876851	Kurtosis	12.1165763
Uncorrected SS	517.0087	Corrected SS	392.512012
Coeff Variation	177.564081	Std Error Mean	0.00068795

Basic Statistical Measures			
Location		Variability	
Mean	0.065749	Std Deviation	0.11675
Median	0.000000	Variance	0.01363
Mode	0.000000	Range	1.75000
		Interquartile Range	0.10000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	95.57264	Pr > |t|	<.0001
Sign	M	6245.5	Pr >= |M|	<.0001
Signed Rank	S	40335943	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.53
95%	0.29
90%	0.21
75% Q3	0.10
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.75

The UNIVARIATE Procedure
Variable: PShirt

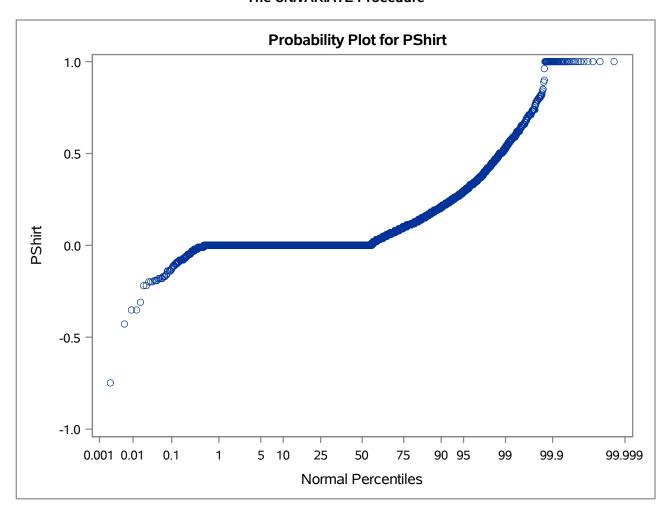| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.75	3136	1	26709
-0.43	28449	1	26831
-0.35	25326	1	28165
-0.35	23520	1	28578
-0.31	3148	1	28630

The UNIVARIATE Procedure

Distribution of PShirt

The UNIVARIATE Procedure
Fitted Normal Distribution for PShirt

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.065749
Std Dev	Sigma	0.116747

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.28162	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	665.24056	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	3455.06780	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.20584
5.0	0.00000	-0.12628
10.0	0.00000	-0.08387
25.0	0.00000	-0.01300
50.0	0.00000	0.06575
75.0	0.10000	0.14449
90.0	0.21000	0.21537
95.0	0.29000	0.25778
99.0	0.53000	0.33734

The UNIVARIATE Procedure

Probability Plot for PShirt

The UNIVARIATE Procedure
Variable: Pdress

Moments			
N	28799	Sum Weights	28799
Mean	0.06836348	Sum Observations	1968.8
Std Deviation	0.15796388	Variance	0.02495259
Skewness	3.46088156	Kurtosis	13.9328569
Uncorrected SS	853.1786	Corrected SS	718.584571
Coeff Variation	231.064692	Std Error Mean	0.00093083

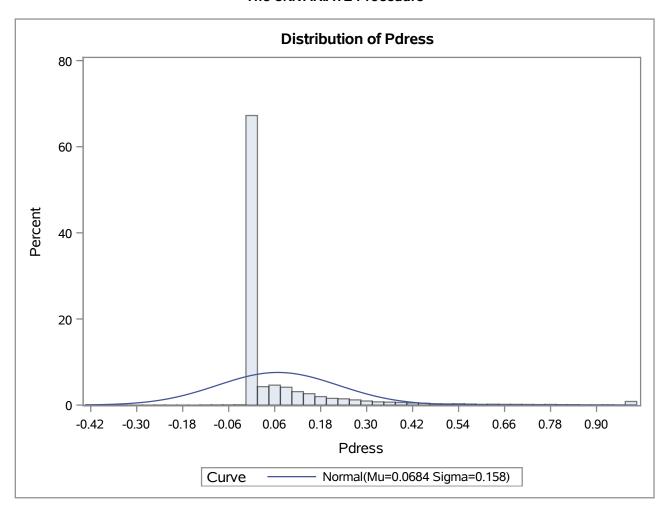| Basic Statistical Measures			
Location		**Variability**	
Mean	0.068363	Std Deviation	0.15796
Median	0.000000	Variance	0.02495
Mode	0.000000	Range	1.42000
		Interquartile Range	0.06000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	73.4438	Pr > |t|	<.0001
Sign	M	4763	Pr >= |M|	<.0001
Signed Rank	S	23492307	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.88
95%	0.38
90%	0.23
75% Q3	0.06
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.42

The UNIVARIATE Procedure
Variable: Pdress

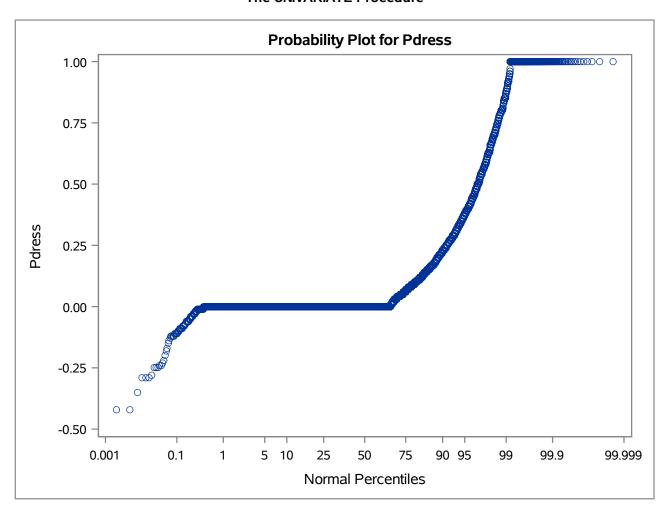| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.42	25703	1	28213
-0.42	24811	1	28403
-0.35	8261	1	28515
-0.29	18187	1	28548
-0.29	6762	1	28713

The UNIVARIATE Procedure

Distribution of Pdress

Curve   Normal(Mu=0.0684 Sigma=0.158)

The UNIVARIATE Procedure
Fitted Normal Distribution for Pdress

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.068363
Std Dev	Sigma	0.157964

Goodness-of-Fit Tests for Normal Distribution				
Test		Statistic	p Value	
Kolmogorov-Smirnov	D	0.33268	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1056.22980	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	5225.40646	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.00000	-0.29912
5.0	0.00000	-0.19146
10.0	0.00000	-0.13408
25.0	0.00000	-0.03818
50.0	0.00000	0.06836
75.0	0.06000	0.17491
90.0	0.23000	0.27080
95.0	0.38000	0.32819
99.0	0.88000	0.43584

The UNIVARIATE Procedure

Probability Plot for Pdress

The UNIVARIATE Procedure
Variable: PSuit

Moments			
N	28799	Sum Weights	28799
Mean	0.03336713	Sum Observations	960.94
Std Deviation	0.13009463	Variance	0.01692461
Skewness	5.01364154	Kurtosis	27.8582228
Uncorrected SS	519.4588	Corrected SS	487.394989
Coeff Variation	389.888569	Std Error Mean	0.0007666

Basic Statistical Measures			
Location		Variability	
Mean	0.033367	Std Deviation	0.13009
Median	0.000000	Variance	0.01692
Mode	0.000000	Range	1.59000
		Interquartile Range	0

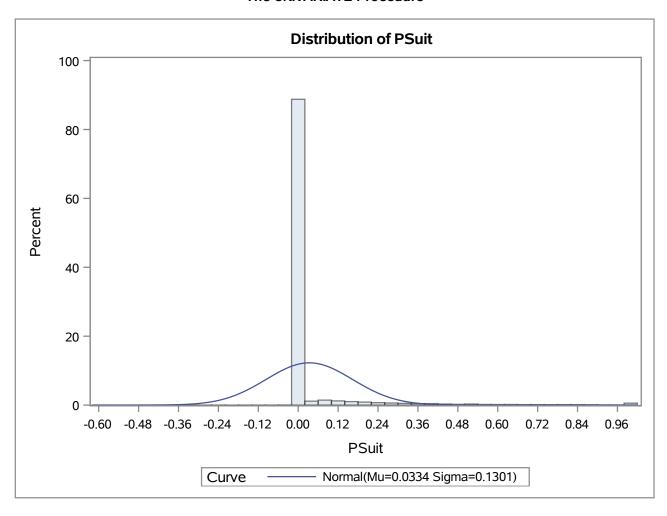| Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	43.52594	Pr > |t|	<.0001
Sign	M	1602	Pr >= |M|	<.0001
Signed Rank	S	2666552	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.78
95%	0.24
90%	0.05
75% Q3	0.00
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.59

The UNIVARIATE Procedure
Variable: PSuit

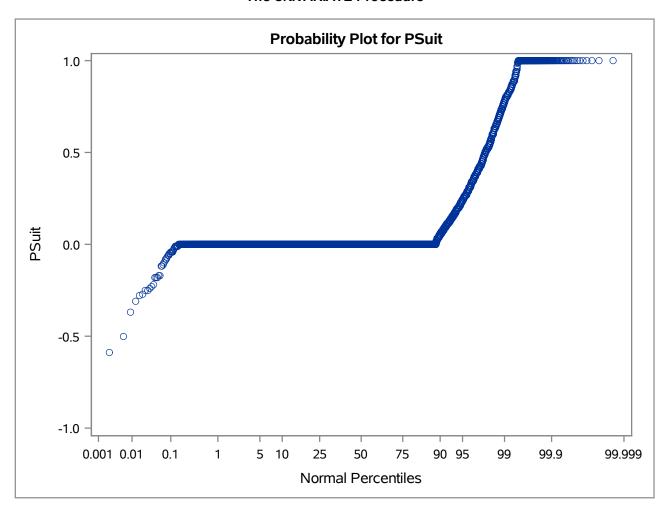| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.59	13955	1	28254
-0.50	6872	1	28326
-0.37	14675	1	28396
-0.31	23146	1	28455
-0.28	8998	1	28700

The UNIVARIATE Procedure

Distribution of PSuit

The UNIVARIATE Procedure
Fitted Normal Distribution for PSuit

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.033367
Std Dev	Sigma	0.130095

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.48846	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1832.50300	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	8555.14767	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.26928
5.0	0.00000	-0.18062
10.0	0.00000	-0.13336
25.0	0.00000	-0.05438
50.0	0.00000	0.03337
75.0	0.00000	0.12111
90.0	0.05000	0.20009
95.0	0.24000	0.24735
99.0	0.78000	0.33601

The UNIVARIATE Procedure

Probability Plot for PSuit

The UNIVARIATE Procedure
Variable: POW

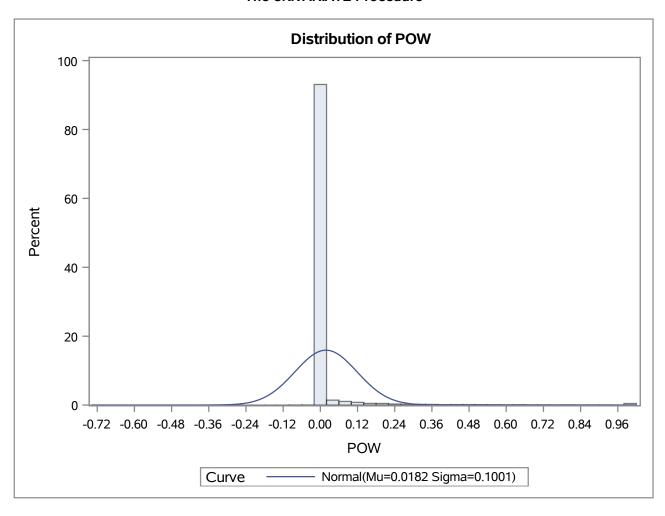| Moments			
N	28799	Sum Weights	28799
Mean	0.01819438	Sum Observations	523.98
Std Deviation	0.1000981	Variance	0.01001963
Skewness	7.29539779	Kurtosis	59.3633257
Uncorrected SS	298.0788	Corrected SS	288.545308
Coeff Variation	550.159405	Std Error Mean	0.00058984

Basic Statistical Measures			
Location		Variability	
Mean	0.018194	Std Deviation	0.10010
Median	0.000000	Variance	0.01002
Mode	0.000000	Range	1.73000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	30.84609	Pr > |t|	<.0001
Sign	M	1047.5	Pr >= |M|	<.0001
Signed Rank	S	1134802	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.58
95%	0.07
90%	0.00
75% Q3	0.00
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.73

The UNIVARIATE Procedure
Variable: POW

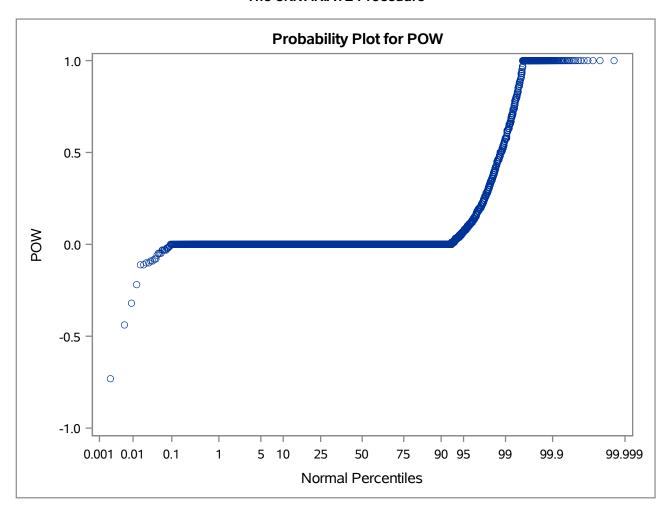| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.73	25909	1	28249
-0.44	11825	1	28300
-0.32	10687	1	28493
-0.22	19446	1	28506
-0.11	28524	1	28765

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Fitted Normal Distribution for POW

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.018194
Std Dev	Sigma	0.100098

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.49847	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	2049.04147	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	9520.71926	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.21467
5.0	0.00000	-0.14645
10.0	0.00000	-0.11009
25.0	0.00000	-0.04932
50.0	0.00000	0.01819
75.0	0.00000	0.08571
90.0	0.00000	0.14648
95.0	0.07000	0.18284
99.0	0.58000	0.25106

The UNIVARIATE Procedure

Probability Plot for POW

The UNIVARIATE Procedure
Variable: PJ

Moments			
N	28799	Sum Weights	28799
Mean	0.00976214	Sum Observations	281.14
Std Deviation	0.03649987	Variance	0.00133224
Skewness	9.7484996	Kurtosis	166.407241
Uncorrected SS	41.1104	Corrected SS	38.3658707
Coeff Variation	373.891966	Std Error Mean	0.00021508

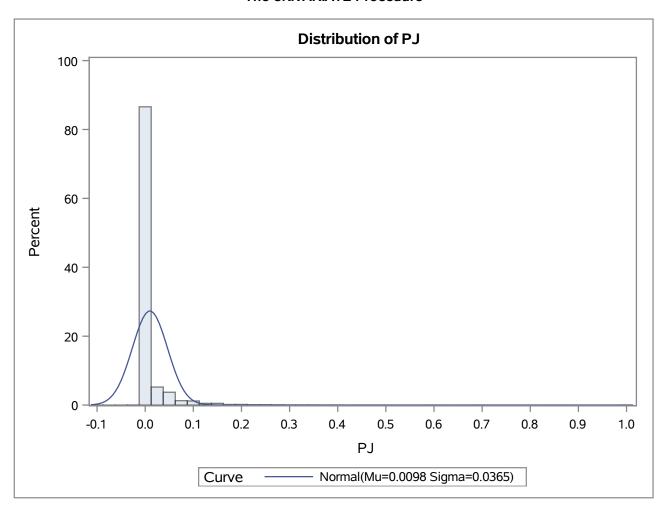| Basic Statistical Measures			
Location		**Variability**	
Mean	0.009762	Std Deviation	0.03650
Median	0.000000	Variance	0.00133
Mode	0.000000	Range	1.11000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test		**Statistic**	**p Value**	
Student's t	t	45.38816	Pr > |t|	<.0001
Sign	M	2898.5	Pr >= |M|	<.0001
Signed Rank	S	8543865	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	1.00
99%	0.16
95%	0.06
90%	0.03
75% Q3	0.00
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.11

The UNIVARIATE Procedure
Variable: PJ

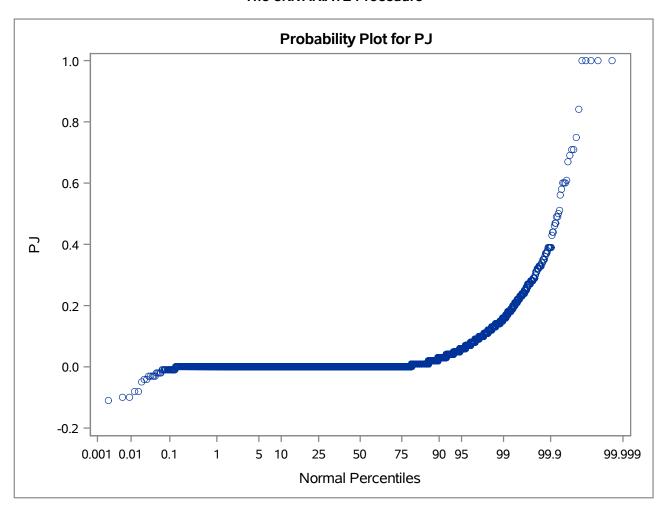| Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-0.11	11422	1	2457
-0.10	9232	1	15355
-0.10	4418	1	17750
-0.08	20234	1	22311
-0.08	17514	1	25041

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Fitted Normal Distribution for PJ

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.009762
Std Dev	Sigma	0.0365

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.40280	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1528.92072	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	7213.18306	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.00000	-0.07515
5.0	0.00000	-0.05027
10.0	0.00000	-0.03701
25.0	0.00000	-0.01486
50.0	0.00000	0.00976
75.0	0.00000	0.03438
90.0	0.03000	0.05654
95.0	0.06000	0.06980
99.0	0.16000	0.09467

The UNIVARIATE Procedure

Probability Plot for PJ

The UNIVARIATE Procedure
Variable: PF

Moments			
N	28799	Sum Weights	28799
Mean	0.03000104	Sum Observations	864
Std Deviation	0.07965721	Variance	0.00634527
Skewness	5.82085968	Kurtosis	51.2452639
Uncorrected SS	208.652	Corrected SS	182.7311
Coeff Variation	265.514801	Std Error Mean	0.00046939

Basic Statistical Measures			
Location		Variability	
Mean	0.030001	Std Deviation	0.07966
Median	0.000000	Variance	0.00635
Mode	0.000000	Range	1.67000
		Interquartile Range	0.03000

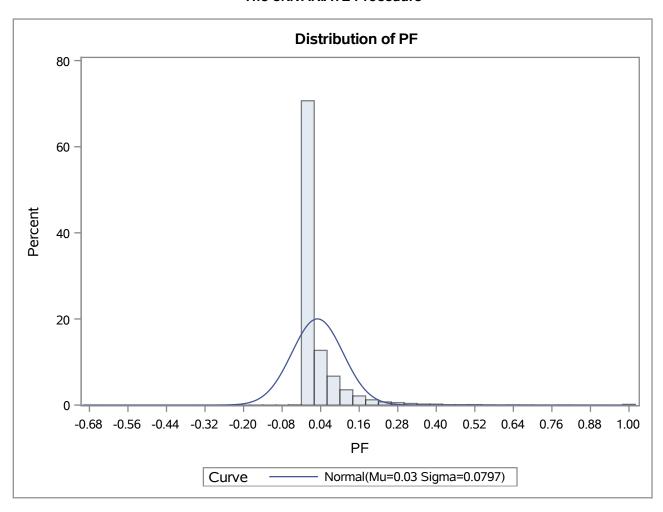| Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	63.91458	Pr > |t|	<.0001
Sign	M	4885	Pr >= |M|	<.0001
Signed Rank	S	24285328	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.36
95%	0.15
90%	0.09
75% Q3	0.03
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.67

The UNIVARIATE Procedure
Variable: PF

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.67	25552	1	26739
-0.31	5401	1	26866
-0.23	8039	1	27418
-0.22	26007	1	27776
-0.19	13211	1	28778

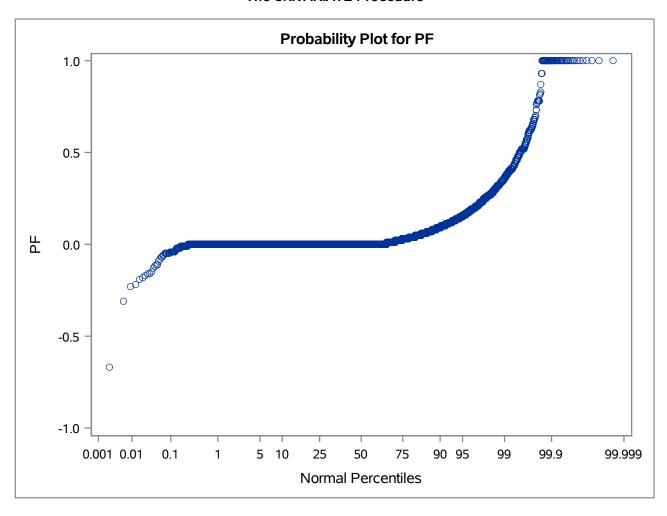## The UNIVARIATE Procedure

Distribution of PF

The UNIVARIATE Procedure
Fitted Normal Distribution for PF

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.030001
Std Dev	Sigma	0.079657

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.35079	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1106.20572	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	5398.58622	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.15531
5.0	0.00000	-0.10102
10.0	0.00000	-0.07208
25.0	0.00000	-0.02373
50.0	0.00000	0.03000
75.0	0.03000	0.08373
90.0	0.09000	0.13209
95.0	0.15000	0.16103
99.0	0.36000	0.21531

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Variable: PL

Moments			
N	28799	Sum Weights	28799
Mean	0.01272162	Sum Observations	366.37
Std Deviation	0.05008864	Variance	0.00250887
Skewness	10.8067374	Kurtosis	167.245286
Uncorrected SS	76.9113	Corrected SS	72.2504792
Coeff Variation	393.728367	Std Error Mean	0.00029516

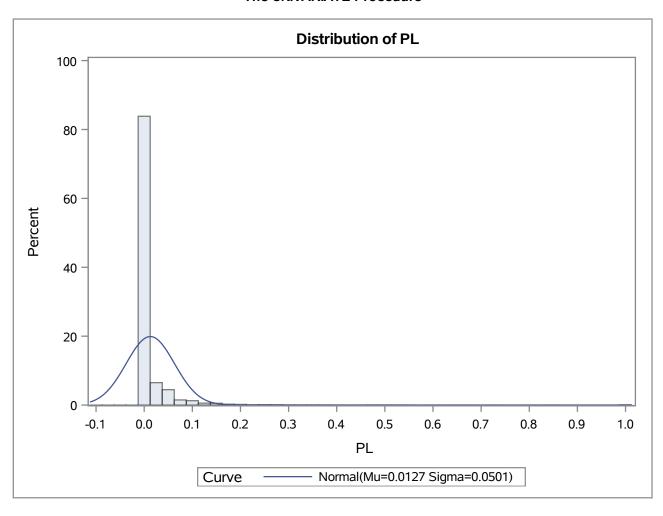| Basic Statistical Measures			
Location		Variability	
Mean	0.012722	Std Deviation	0.05009
Median	0.000000	Variance	0.00251
Mode	0.000000	Range	1.10000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	43.10146	Pr > |t|	<.0001
Sign	M	3481	Pr >= |M|	<.0001
Signed Rank	S	12171922	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.19
95%	0.07
90%	0.03
75% Q3	0.00
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.10

The UNIVARIATE Procedure
Variable: PL

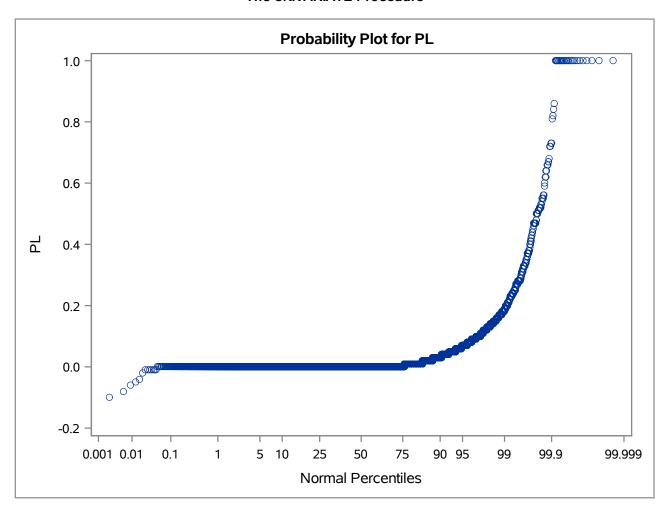| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.10	19246	1	24303
-0.08	28117	1	24494
-0.06	11486	1	24498
-0.05	2249	1	25600
-0.04	10007	1	26606

The UNIVARIATE Procedure

Distribution of PL

Curve ——— Normal(Mu=0.0127 Sigma=0.0501)

The UNIVARIATE Procedure
Fitted Normal Distribution for PL

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.012722
Std Dev	Sigma	0.050089

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.39930	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1482.63828	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	7047.99414	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.10380
5.0	0.00000	-0.06967
10.0	0.00000	-0.05147
25.0	0.00000	-0.02106
50.0	0.00000	0.01272
75.0	0.00000	0.04651
90.0	0.03000	0.07691
95.0	0.07000	0.09511
99.0	0.19000	0.12925

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Variable: PC

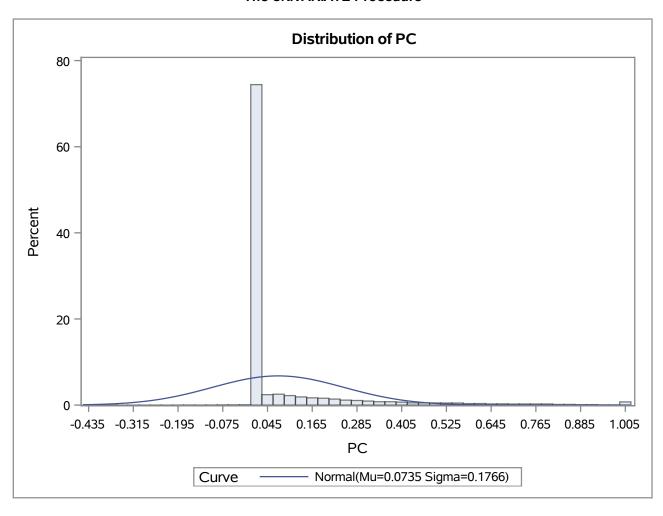| Moments			
N	28799	Sum Weights	28799
Mean	0.0735088	Sum Observations	2116.98
Std Deviation	0.17656175	Variance	0.03117405
Skewness	3.03144724	Kurtosis	9.6648558
Uncorrected SS	1053.367	Corrected SS	897.750336
Coeff Variation	240.191302	Std Error Mean	0.00104042

Basic Statistical Measures			
Location		Variability	
Mean	0.073509	Std Deviation	0.17656
Median	0.000000	Variance	0.03117
Mode	0.000000	Range	1.44000
		Interquartile Range	0.03000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	70.65313	Pr > |t|	<.0001
Sign	M	3784.5	Pr >= |M|	<.0001
Signed Rank	S	14826422	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.00
99%	0.88
95%	0.48
90%	0.28
75% Q3	0.03
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	-0.44

The UNIVARIATE Procedure
Variable: PC

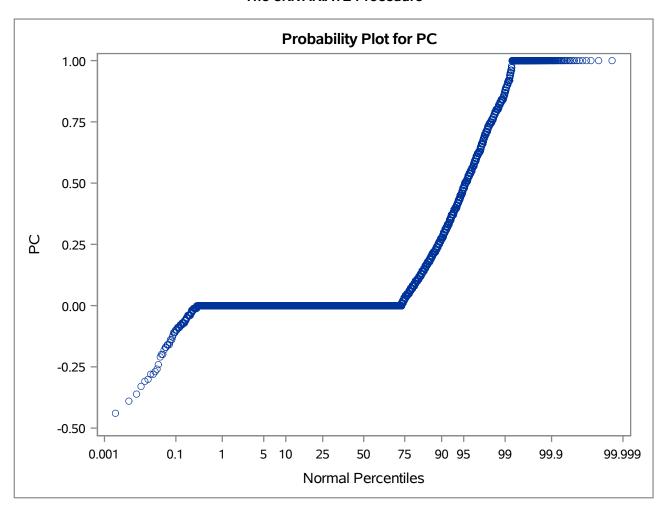| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.44	24487	1	28131
-0.39	840	1	28433
-0.36	22694	1	28448
-0.33	11486	1	28515
-0.31	26971	1	28637

The UNIVARIATE Procedure

Distribution of PC

Curve ——— Normal(Mu=0.0735 Sigma=0.1766)

The UNIVARIATE Procedure
Fitted Normal Distribution for PC

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.073509
Std Dev	Sigma	0.176562

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.39557	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1239.26749	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	6022.52087	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.33724
5.0	0.00000	-0.21691
10.0	0.00000	-0.15276
25.0	0.00000	-0.04558
50.0	0.00000	0.07351
75.0	0.03000	0.19260
90.0	0.28000	0.29978
95.0	0.48000	0.36393
99.0	0.88000	0.48425

The UNIVARIATE Procedure

Probability Plot for PC

The UNIVARIATE Procedure
Variable: GMP

Moments			
N	28799	Sum Weights	28799
Mean	0.51794125	Sum Observations	14916.19
Std Deviation	0.17224683	Variance	0.02966897
Skewness	-5.9032636	Kurtosis	130.267523
Uncorrected SS	8580.1171	Corrected SS	854.407037
Coeff Variation	33.2560562	Std Error Mean	0.00101499

Basic Statistical Measures			
Location		**Variability**	
Mean	0.517941	Std Deviation	0.17225
Median	0.550000	Variance	0.02967
Mode	0.590000	Range	7.45000
		Interquartile Range	0.16000

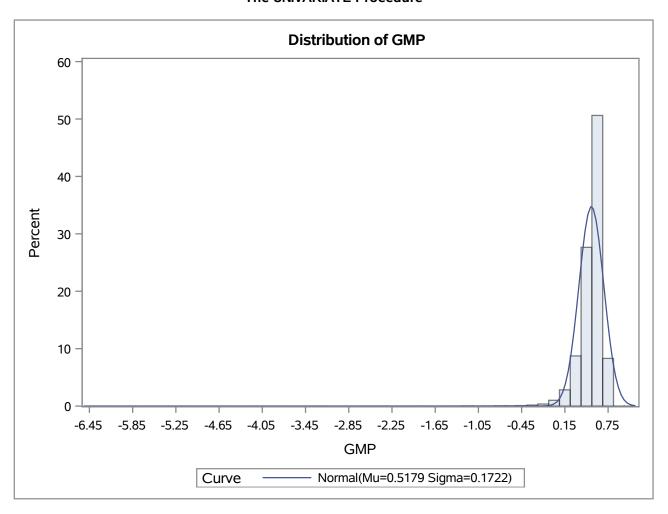| Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	510.2911	Pr > |t|	<.0001
Sign	M	14049	Pr >= |M|	<.0001
Signed Rank	S	2.0513E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.99
99%	0.72
95%	0.69
90%	0.67
75% Q3	0.62
50% Median	0.55
25% Q1	0.46
10%	0.33
5%	0.24
1%	-0.03
0% Min	-6.46

The UNIVARIATE Procedure
Variable: GMP

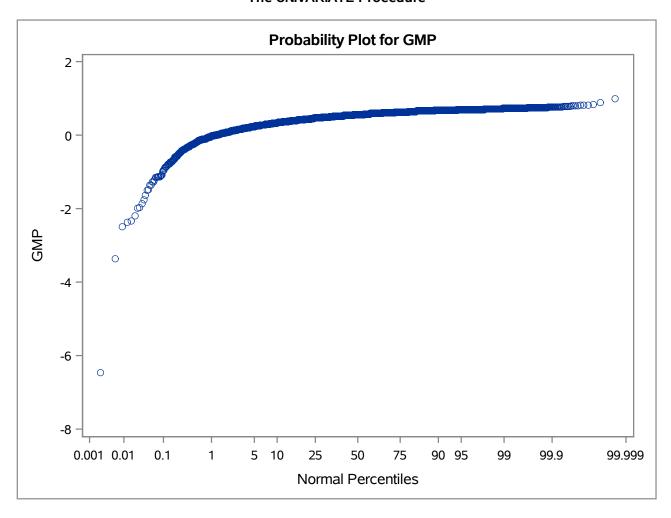| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-6.46	15824	0.81	19765
-3.36	22757	0.82	1072
-2.50	22351	0.83	18590
-2.37	25708	0.89	23521
-2.34	7975	0.99	14415

The UNIVARIATE Procedure

Distribution of GMP

The UNIVARIATE Procedure
Fitted Normal Distribution for GMP

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.517941
Std Dev	Sigma	0.172247

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.13222	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	184.85835	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	1100.96834	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	-0.03000	0.11724
5.0	0.24000	0.23462
10.0	0.33000	0.29720
25.0	0.46000	0.40176
50.0	0.55000	0.51794
75.0	0.62000	0.63412
90.0	0.67000	0.73868
95.0	0.69000	0.80126
99.0	0.72000	0.91865

The UNIVARIATE Procedure

Probability Plot for GMP

The UNIVARIATE Procedure
Variable: PROMOS

Moments			
N	28799	Sum Weights	28799
Mean	11.5391159	Sum Observations	332315
Std Deviation	7.13935597	Variance	50.9704037
Skewness	0.15902595	Kurtosis	-0.9023565
Uncorrected SS	5302467	Corrected SS	1467845.69
Coeff Variation	61.8709094	Std Error Mean	0.04206979

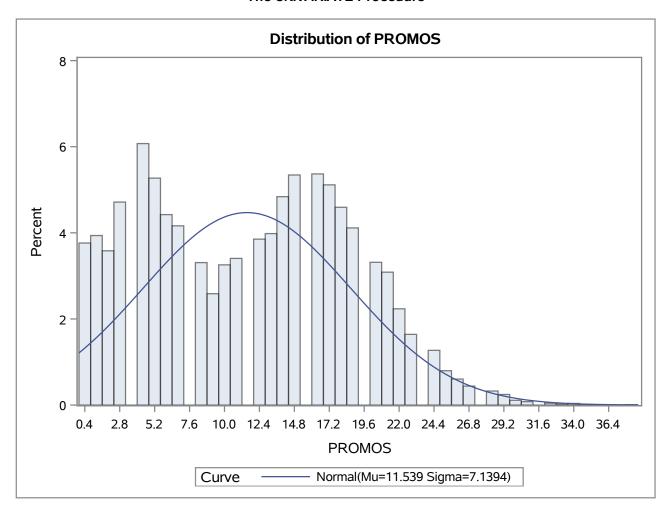| Basic Statistical Measures			
Location		Variability	
Mean	11.53912	Std Deviation	7.13936
Median	12.00000	Variance	50.97040
Mode	4.00000	Range	38.00000
		Interquartile Range	12.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	274.2851	Pr > |t|	<.0001
Sign	M	13857.5	Pr >= |M|	<.0001
Signed Rank	S	1.9204E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	38
99%	27
95%	23
90%	21
75% Q3	17
50% Median	12
25% Q1	5
10%	2
5%	1
1%	0
0% Min	0

The UNIVARIATE Procedure
Variable: PROMOS

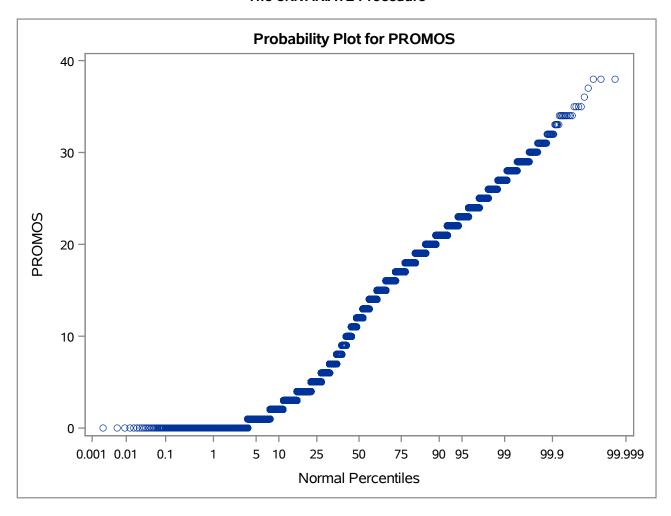| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	28774	36	13267
0	28761	37	13112
0	28743	38	89
0	28693	38	18338
0	28683	38	18339

The UNIVARIATE Procedure

Distribution of PROMOS

Curve ——— Normal(Mu=11.539 Sigma=7.1394)

The UNIVARIATE Procedure
Fitted Normal Distribution for PROMOS

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	11.53912
Std Dev	Sigma	7.139356

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.098768	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	51.587713	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	317.236131	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.0000	-5.06951
5.0	1.0000	-0.20408
10.0	2.0000	2.38966
25.0	5.0000	6.72369
50.0	12.0000	11.53912
75.0	17.0000	16.35454
90.0	21.0000	20.68857
95.0	23.0000	23.28231
99.0	27.0000	28.14774

The UNIVARIATE Procedure

Probability Plot for PROMOS

The UNIVARIATE Procedure
Variable: DAYS

Moments			
N	28799	Sum Weights	28799
Mean	436.916178	Sum Observations	12582749
Std Deviation	192.970898	Variance	37237.7676
Skewness	-0.2375068	Kurtosis	-1.1630138
Uncorrected SS	6569979829	Corrected SS	1072373232
Coeff Variation	44.166572	Std Error Mean	1.13711166

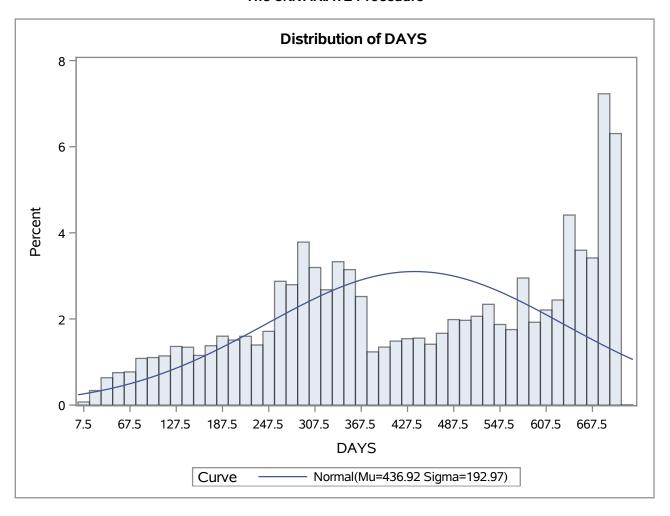| Basic Statistical Measures			
Location		Variability	
Mean	436.9162	Std Deviation	192.97090
Median	445.0000	Variance	37238
Mode	677.0000	Range	716.00000
		Interquartile Range	343.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	384.2333	Pr > |t|	<.0001
Sign	M	14399.5	Pr >= |M|	<.0001
Signed Rank	S	2.0735E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	717
99%	700
95%	692
90%	678
75% Q3	629
50% Median	445
25% Q1	286
10%	167
5%	108
1%	43
0% Min	1

The UNIVARIATE Procedure
Variable: DAYS

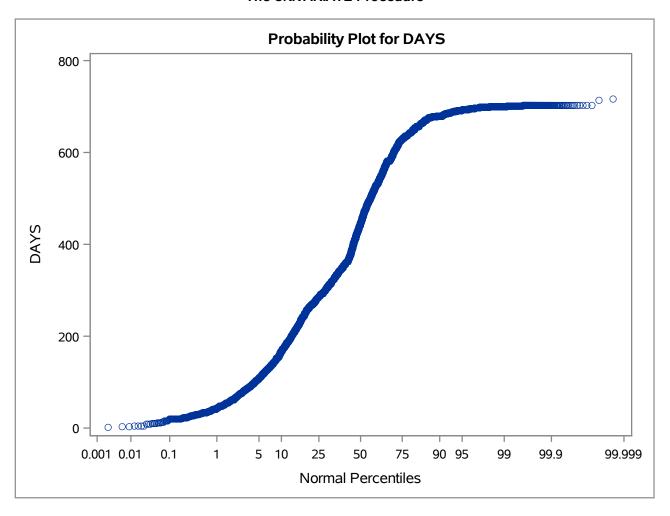| Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1	25401	702	27104
3	21802	702	27425
3	11510	702	27584
4	24118	713	776
4	556	717	813

The UNIVARIATE Procedure

Distribution of DAYS

The UNIVARIATE Procedure
Fitted Normal Distribution for DAYS

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	436.9162
Std Dev	Sigma	192.9709

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.105000	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	86.729516	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	566.409113	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	43.0000	-12.0013
5.0	108.0000	119.5073
10.0	167.0000	189.6140
25.0	286.0000	306.7593
50.0	445.0000	436.9162
75.0	629.0000	567.0731
90.0	678.0000	684.2183
95.0	692.0000	754.3251
99.0	700.0000	885.8336

The UNIVARIATE Procedure

Probability Plot for DAYS

The UNIVARIATE Procedure
Variable: MDown

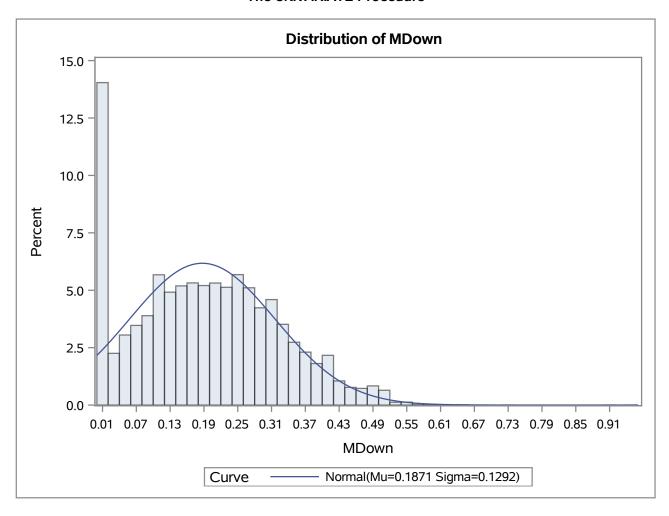| Moments			
N	28799	Sum Weights	28799
Mean	0.18710198	Sum Observations	5388.35
Std Deviation	0.12920318	Variance	0.01669346
Skewness	0.30130633	Kurtosis	-0.5471823
Uncorrected SS	1488.9093	Corrected SS	480.738331
Coeff Variation	69.0549512	Std Error Mean	0.00076135

Basic Statistical Measures			
Location		Variability	
Mean	0.187102	Std Deviation	0.12920
Median	0.180000	Variance	0.01669
Mode	0.000000	Range	0.95000
		Interquartile Range	0.19000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	245.7502	Pr > |t|	<.0001
Sign	M	12523	Pr >= |M|	<.0001
Signed Rank	S	1.5683E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.95
99%	0.50
95%	0.41
90%	0.36
75% Q3	0.28
50% Median	0.18
25% Q1	0.09
10%	0.00
5%	0.00
1%	0.00
0% Min	0.00

The UNIVARIATE Procedure
Variable: MDown

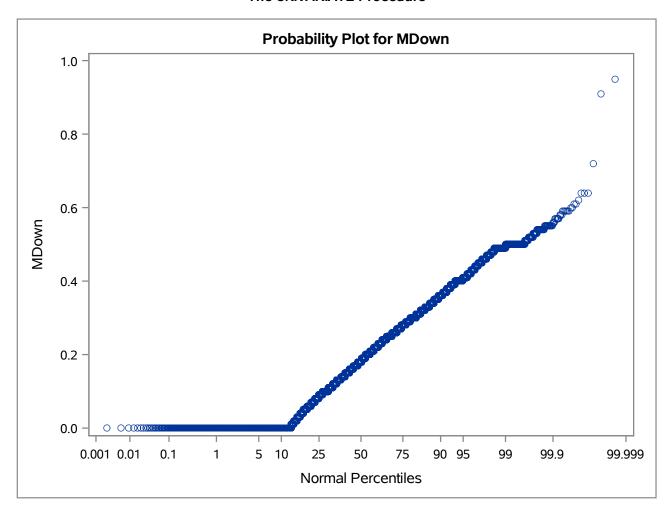| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	28794	0.64	10810
0	28781	0.64	15436
0	28778	0.72	21659
0	28766	0.91	22757
0	28729	0.95	15824

The UNIVARIATE Procedure

Distribution of MDown

The UNIVARIATE Procedure
Fitted Normal Distribution for MDown

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	0.187102
Std Dev	Sigma	0.129203

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.073791	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	19.188352	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	192.740619	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	0.00000	-0.11347
5.0	0.00000	-0.02542
10.0	0.00000	0.02152
25.0	0.09000	0.09996
50.0	0.18000	0.18710
75.0	0.28000	0.27425
90.0	0.36000	0.35268
95.0	0.41000	0.39962
99.0	0.50000	0.48767

The UNIVARIATE Procedure

Probability Plot for MDown

The UNIVARIATE Procedure
Variable: CLUST

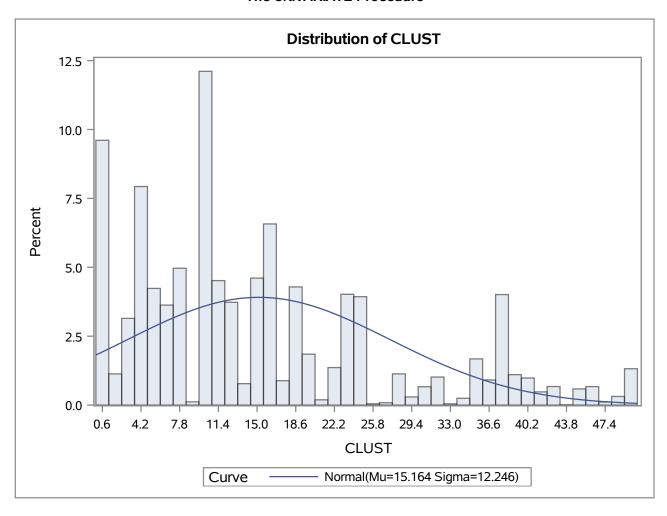| Moments			
N	28799	Sum Weights	28799
Mean	15.1638599	Sum Observations	436704
Std Deviation	12.246439	Variance	149.975267
Skewness	1.0246057	Kurtosis	0.2486321
Uncorrected SS	10941106	Corrected SS	4318987.75
Coeff Variation	80.7606973	Std Error Mean	0.07216409

Basic Statistical Measures			
Location		Variability	
Mean	15.16386	Std Deviation	12.24644
Median	11.00000	Variance	149.97527
Mode	10.00000	Range	50.00000
		Interquartile Range	17.00000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	210.1303	Pr > |t|	<.0001
Sign	M	14374	Pr >= |M|	<.0001
Signed Rank	S	2.0662E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	50
99%	50
95%	40
90%	38
75% Q3	22
50% Median	11
25% Q1	5
10%	2
5%	1
1%	1
0% Min	0

The UNIVARIATE Procedure
Variable: CLUST

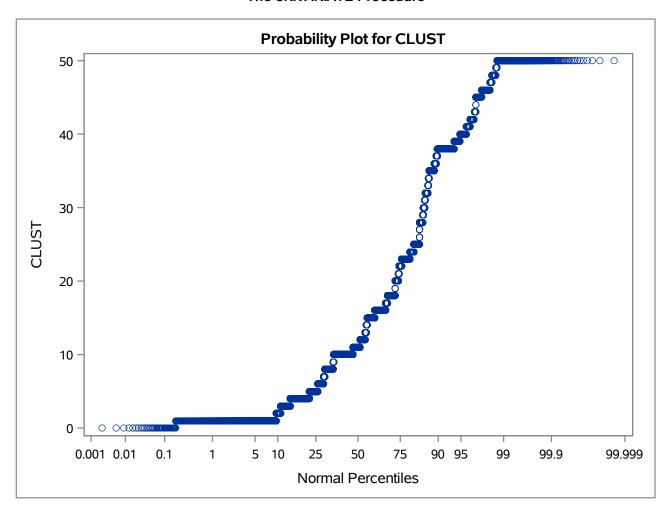| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	28459	50	28483
0	27935	50	28494
0	27595	50	28516
0	26729	50	28613
0	26717	50	28758

The UNIVARIATE Procedure

Distribution of CLUST

The UNIVARIATE Procedure
Fitted Normal Distribution for CLUST

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	15.16386
Std Dev	Sigma	12.24644

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.146981	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	159.118860	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	994.533905	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.00000	-13.32562
5.0	1.00000	-4.97974
10.0	2.00000	-0.53058
25.0	5.00000	6.90376
50.0	11.00000	15.16386
75.0	22.00000	23.42396
90.0	38.00000	30.85830
95.0	40.00000	35.30746
99.0	50.00000	43.65334

The UNIVARIATE Procedure

The UNIVARIATE Procedure
Variable: Percent

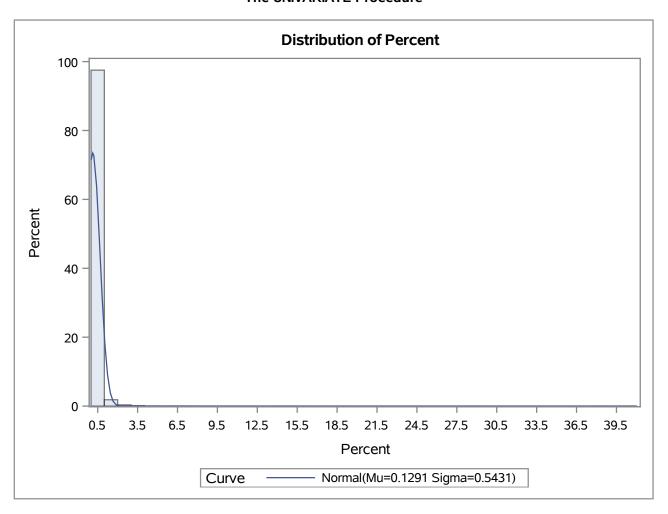| Moments			
N	28799	Sum Weights	28799
Mean	0.12910205	Sum Observations	3718.01
Std Deviation	0.54312922	Variance	0.29498935
Skewness	36.0816653	Kurtosis	2274.99765
Uncorrected SS	8975.1059	Corrected SS	8495.10318
Coeff Variation	420.697586	Std Error Mean	0.00320048

Basic Statistical Measures			
Location		Variability	
Mean	0.129102	Std Deviation	0.54313
Median	0.000000	Variance	0.29499
Mode	0.000000	Range	40.92000
		Interquartile Range	0.09000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	40.3384	Pr > |t|	<.0001
Sign	M	4861.5	Pr >= |M|	<.0001
Signed Rank	S	23636613	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	40.92
99%	1.57
95%	0.63
90%	0.37
75% Q3	0.09
50% Median	0.00
25% Q1	0.00
10%	0.00
5%	0.00
1%	0.00
0% Min	0.00

The UNIVARIATE Procedure
Variable: Percent

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
0	28799	11.70	19017
0	28793	14.51	19807
0	28791	28.35	19701
0	28786	38.38	22869
0	28785	40.92	17449

The UNIVARIATE Procedure
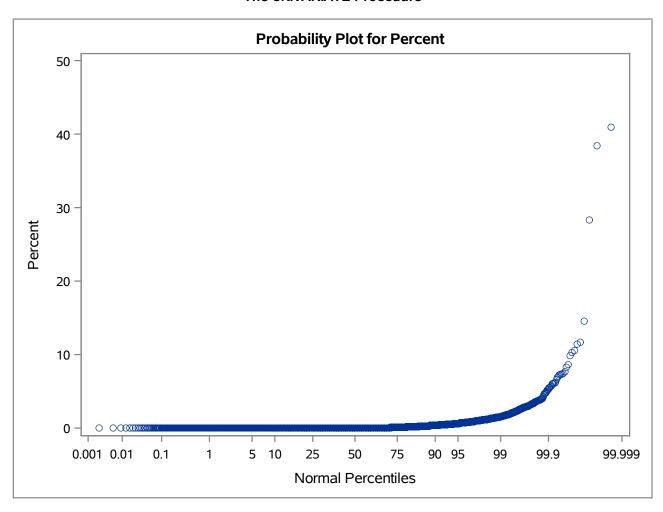

Distribution of Percent

The UNIVARIATE Procedure
Fitted Normal Distribution for Percent

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0.129102
Std Dev	Sigma	0.543129

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.40606	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	1357.71820	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	6545.65134	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	0.00000	-1.13441
5.0	0.00000	-0.76427
10.0	0.00000	-0.56695
25.0	0.00000	-0.23723
50.0	0.00000	0.12910
75.0	0.09000	0.49544
90.0	0.37000	0.82515
95.0	0.63000	1.02247
99.0	1.57000	1.39261

The UNIVARIATE Procedure

Probability Plot for Percent

The UNIVARIATE Procedure
Variable: IDays

Moments			
N	28799	Sum Weights	28799
Mean	4.79323414	Sum Observations	138040.35
Std Deviation	0.87270058	Variance	0.7616063
Skewness	-0.2318189	Kurtosis	-0.2247137
Uncorrected SS	683592.456	Corrected SS	21932.7382
Coeff Variation	18.2069257	Std Error Mean	0.00514253

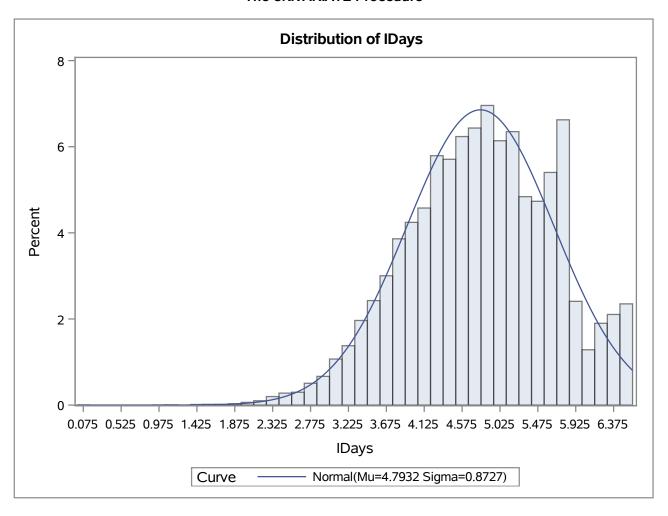| Basic Statistical Measures			
Location		Variability	
Mean	4.793234	Std Deviation	0.87270
Median	4.820000	Variance	0.76161
Mode	4.910000	Range	6.58000
		Interquartile Range	1.24000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	932.0776	Pr > |t|	<.0001
Sign	M	14399	Pr >= |M|	<.0001
Signed Rank	S	2.0734E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6.58
99%	6.52
95%	6.25
90%	5.85
75% Q3	5.44
50% Median	4.82
25% Q1	4.20
10%	3.64
5%	3.32
1%	2.68
0% Min	0.00

The UNIVARIATE Procedure
Variable: IDays

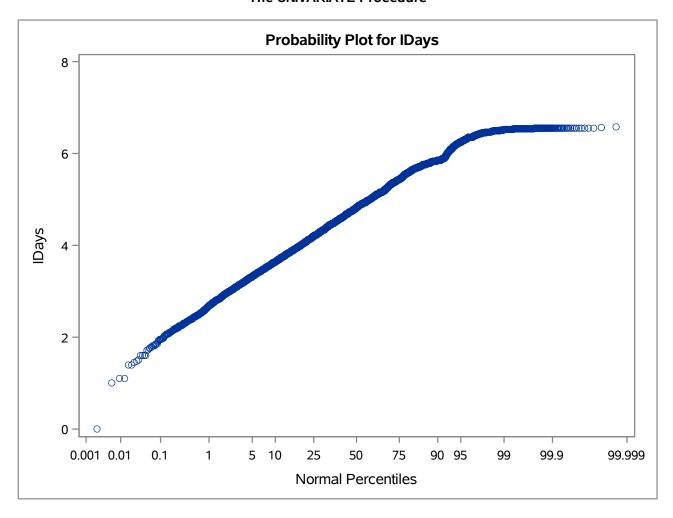| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.00	25401	6.55	26777
1.01	25942	6.55	27264
1.10	21802	6.55	27902
1.10	11510	6.57	776
1.39	24118	6.58	813

The UNIVARIATE Procedure

Distribution of IDays

The UNIVARIATE Procedure
Fitted Normal Distribution for IDays

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	4.793234
Std Dev	Sigma	0.872701

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.0289930	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	4.1159528	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	32.8184077	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	Observed	Estimated
1.0	2.68000	2.76303
5.0	3.32000	3.35777
10.0	3.64000	3.67482
25.0	4.20000	4.20461
50.0	4.82000	4.79323
75.0	5.44000	5.38186
90.0	5.85000	5.91164
95.0	6.25000	6.22870
99.0	6.52000	6.82344

The UNIVARIATE Procedure

Probability Plot for IDays

The UNIVARIATE Procedure
Variable: llife

Moments			
N	28799	Sum Weights	28799
Mean	3.92374249	Sum Observations	112999.86
Std Deviation	1.02041715	Variance	1.04125115
Skewness	-0.2671657	Kurtosis	-0.1324532
Uncorrected SS	473368.303	Corrected SS	29985.9506
Coeff Variation	26.006221	Std Error Mean	0.00601297

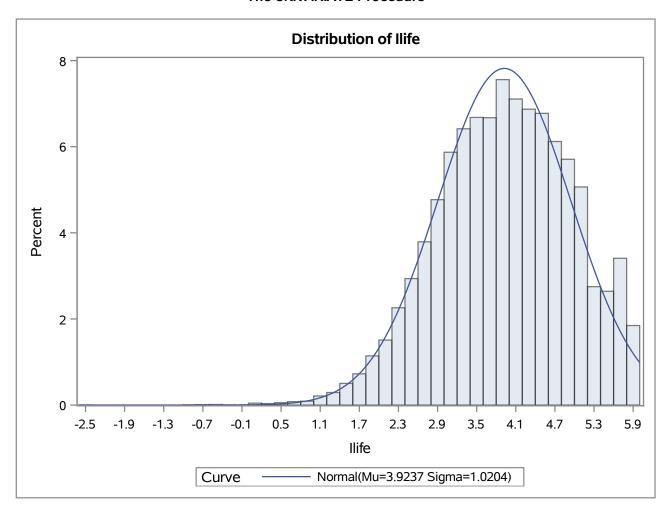| Basic Statistical Measures			
Location		**Variability**	
Mean	3.923742	Std Deviation	1.02042
Median	3.950000	Variance	1.04125
Mode	3.880000	Range	8.31000
		Interquartile Range	1.46000

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	652.5465	Pr > |t|	<.0001
Sign	M	14384	Pr >= |M|	<.0001
Signed Rank	S	2.0728E8	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.90
99%	5.84
95%	5.61
90%	5.24
75% Q3	4.68
50% Median	3.95
25% Q1	3.22
10%	2.60
5%	2.22
1%	1.46
0% Min	-2.41

The UNIVARIATE Procedure
Variable: llife

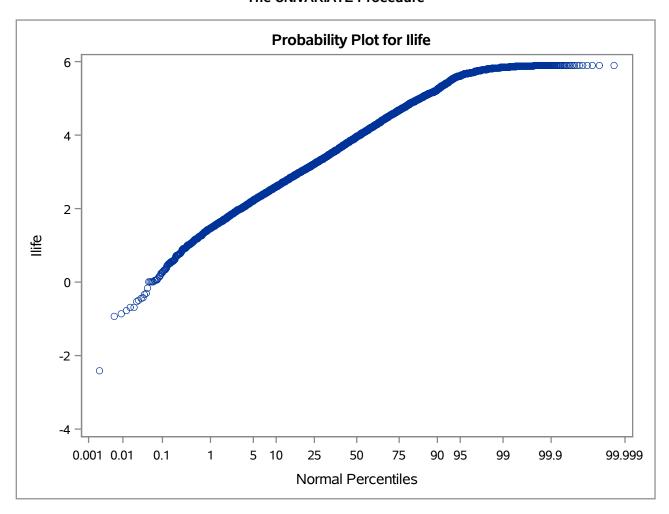| Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-2.41	11510	5.9	18681
-0.94	25942	5.9	21012
-0.87	20931	5.9	22204
-0.78	28742	5.9	22631
-0.69	25401	5.9	25836

The UNIVARIATE Procedure

Distribution of Ilife

The UNIVARIATE Procedure
Fitted Normal Distribution for llife

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	3.923742
Std Dev	Sigma	1.020417

Goodness-of-Fit Tests for Normal Distribution				
Test		**Statistic**	**p Value**	
Kolmogorov-Smirnov	D	0.0265784	**Pr > D**	<0.010
Cramer-von Mises	W-Sq	3.8273873	**Pr > W-Sq**	<0.005
Anderson-Darling	A-Sq	33.1102512	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	1.46000	1.54990
5.0	2.22000	2.24531
10.0	2.60000	2.61603
25.0	3.22000	3.23548
50.0	3.95000	3.92374
75.0	4.68000	4.61200
90.0	5.24000	5.23146
95.0	5.61000	5.60218
99.0	5.84000	6.29759

The UNIVARIATE Procedure

Probability Plot for llife

Correlation of Number of Marketing Promotions on File

The CORR Procedure

5 With Variables:	AVRG FRE MON DAYS GMP
1 Variables:	PROMOS

Simple Statistics						
Variable	N	Mean	Std Dev	Median	Minimum	Maximum
AVRG	28799	113.58832	86.98080	92.00000	0.49000	1920
FRE	28799	5.03903	6.34912	3.00000	1.00000	115.00000
MON	28799	473.21246	659.32741	261.00000	0.99000	24140
DAYS	28799	436.91618	192.97090	445.00000	1.00000	717.00000
GMP	28799	0.51794	0.17225	0.55000	-6.46000	0.99000
PROMOS	28799	11.53912	7.13936	12.00000	0	38.00000

Spearman Correlation Coefficients, N = 28799 Prob > |r| under H0: Rho=0	
	PROMOS
AVRG	0.03660 <.0001
FRE	0.52861 <.0001
MON	0.54563 <.0001
DAYS	0.58960 <.0001
GMP	-0.04072 <.0001