

The SURVEYSELECT Procedure

Selection Method	Unrestricted Random Sampling
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Input Data Set	NEW_TEMPERATURE
Random Number Seed	201411
Sampling Rate	1
Sample Size	130
Expected Number of Hits	1
Sampling Weight	1
Number of Replicates	1000
Total Sample Size	130000
Output Data Set	OUTBOOT

The UNIVARIATE Procedure
Variable: medtemp

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.10
99%	-0.20
95%	-0.20
90%	-0.30
75% Q3	-0.40
50% Median	-0.50
25% Q1	-0.60
10%	-0.65
5%	-0.70
1%	-0.80
0% Min	-0.90

Obs	medtemp2_5	medtemp97_5
1	-0.8	-0.2

The MEANS Procedure

Analysis Variable : medtemp				
N	Mean	Std Dev	Minimum	Maximum
1000	-0.4863500	0.1431141	-0.9000000	0.1000000

The MEANS Procedure

Analysis Variable : med1				
N	Mean	Std Dev	Minimum	Maximum
1000	98.0801500	0.1081674	97.8000000	98.4000000

The MEANS Procedure

Analysis Variable : med2				
N	Mean	Std Dev	Minimum	Maximum
1000	98.5665000	0.0906420	98.0000000	98.8000000

The UNIVARIATE Procedure
Variable: medtemp

Moments			
N	1001	Sum Weights	1001
Mean	-0.4863636	Sum Observations	-486.85
Std Deviation	0.14304322	Variance	0.02046136
Skewness	0.11657982	Kurtosis	0.10617946
Uncorrected SS	257.2475	Corrected SS	20.4613636
Coeff Variation	-29.410756	Std Error Mean	0.00452116

Basic Statistical Measures			
Location		Variability	
Mean	-0.48636	Std Deviation	0.14304
Median	-0.50000	Variance	0.02046
Mode	-0.40000	Range	1.00000
		Interquartile Range	0.20000

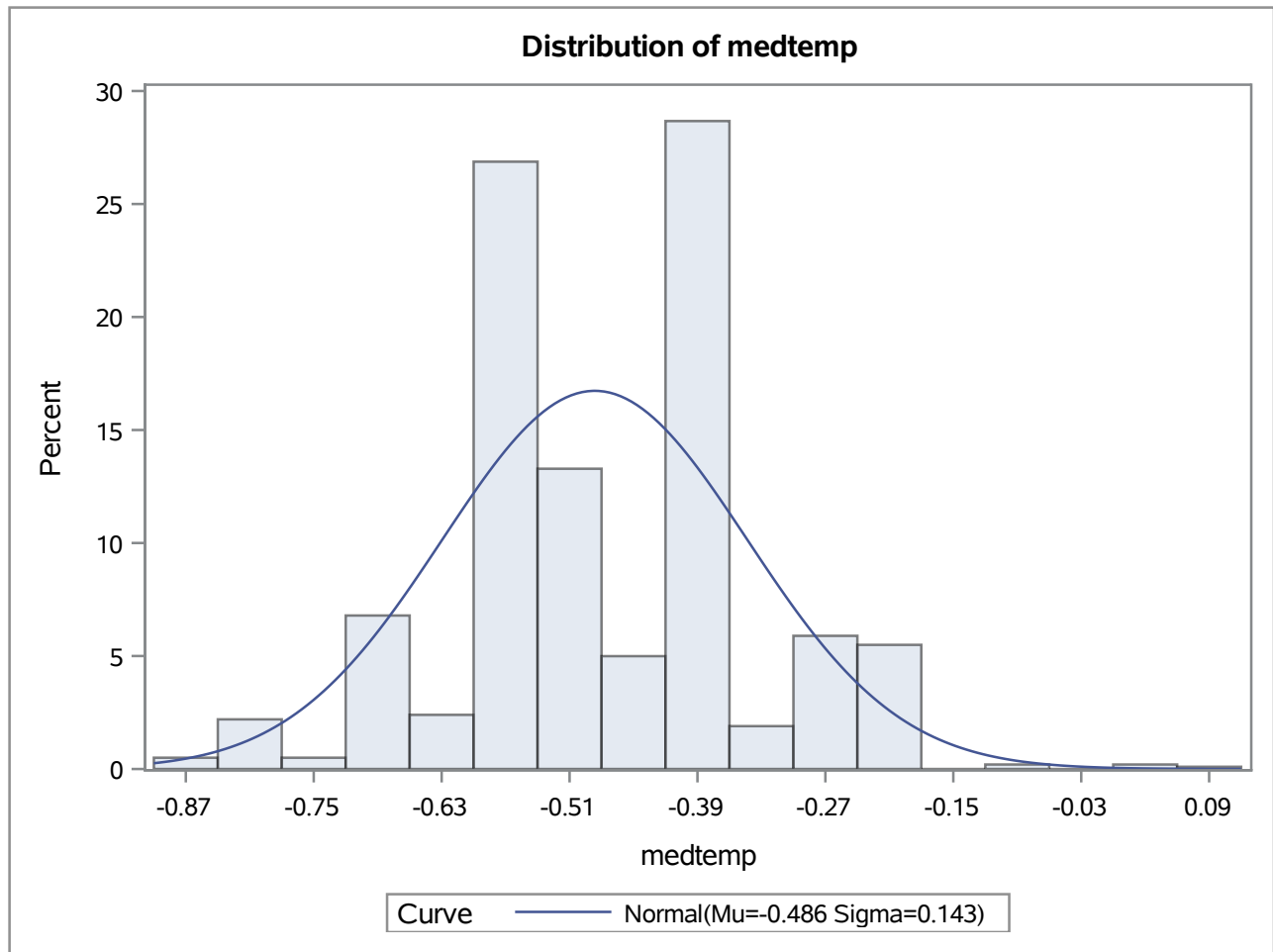
Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	-107.575	Pr > t 	<.0001
Sign	M	-498.5	Pr >= M 	<.0001
Signed Rank	S	-249749	Pr >= S 	<.0001

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The UNIVARIATE Procedure
Variable: medtemp

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.90	21	-0.1	326
-0.90	704	-0.1	874
-0.85	430	0.0	119
-0.85	833	0.0	750
-0.85	565	0.1	832

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Fitted Normal Distribution for medtemp

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	-0.48636
Std Dev	Sigma	0.143043

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.1515735	Pr > D	<0.010
Cramer-von Mises	W-Sq	3.5152831	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	19.2179220	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	-0.80000	-0.81913
5.0	-0.70000	-0.72165
10.0	-0.65000	-0.66968
25.0	-0.60000	-0.58284
50.0	-0.50000	-0.48636
75.0	-0.40000	-0.38988
90.0	-0.30000	-0.30305
95.0	-0.20000	-0.25108
99.0	-0.20000	-0.15360