The UNIVARIATE Procedure
Variable: f1

Moments			
N	86	Sum Weights	86
Mean	6.59302326	Sum Observations	567
Std Deviation	1.70382205	Variance	2.90300958
Skewness	-0.4040693	Kurtosis	-0.3833494
Uncorrected SS	3985	Corrected SS	246.755814
Coeff Variation	25.8428036	Std Error Mean	0.18372786

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.935015	Pr < W	0.0003
Kolmogorov-Smirnov	D	0.144372	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.315021	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.899782	Pr > A-Sq	<0.0050

The UNIVARIATE Procedure
Variable: f2

Moments			
N	87	Sum Weights	87
Mean	6.55172414	Sum Observations	570
Std Deviation	1.65486331	Variance	2.73857257
Skewness	-0.6524158	Kurtosis	0.50343961
Uncorrected SS	3970	Corrected SS	235.517241
Coeff Variation	25.25844	Std Error Mean	0.17741997

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.93699	Pr < W	0.0004
Kolmogorov-Smirnov	D	0.158484	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.310957	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.759705	Pr > A-Sq	<0.0050

The UNIVARIATE Procedure
Variable: f3

Moments			
N	86	Sum Weights	86
Mean	6.30232558	Sum Observations	542
Std Deviation	1.71546439	Variance	2.94281806
Skewness	-0.2701982	Kurtosis	-0.6872869
Uncorrected SS	3666	Corrected SS	250.139535
Coeff Variation	27.2195456	Std Error Mean	0.18498328

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.940987	Pr < W	0.0007
Kolmogorov-Smirnov	D	0.134629	Pr > D	<0.0100

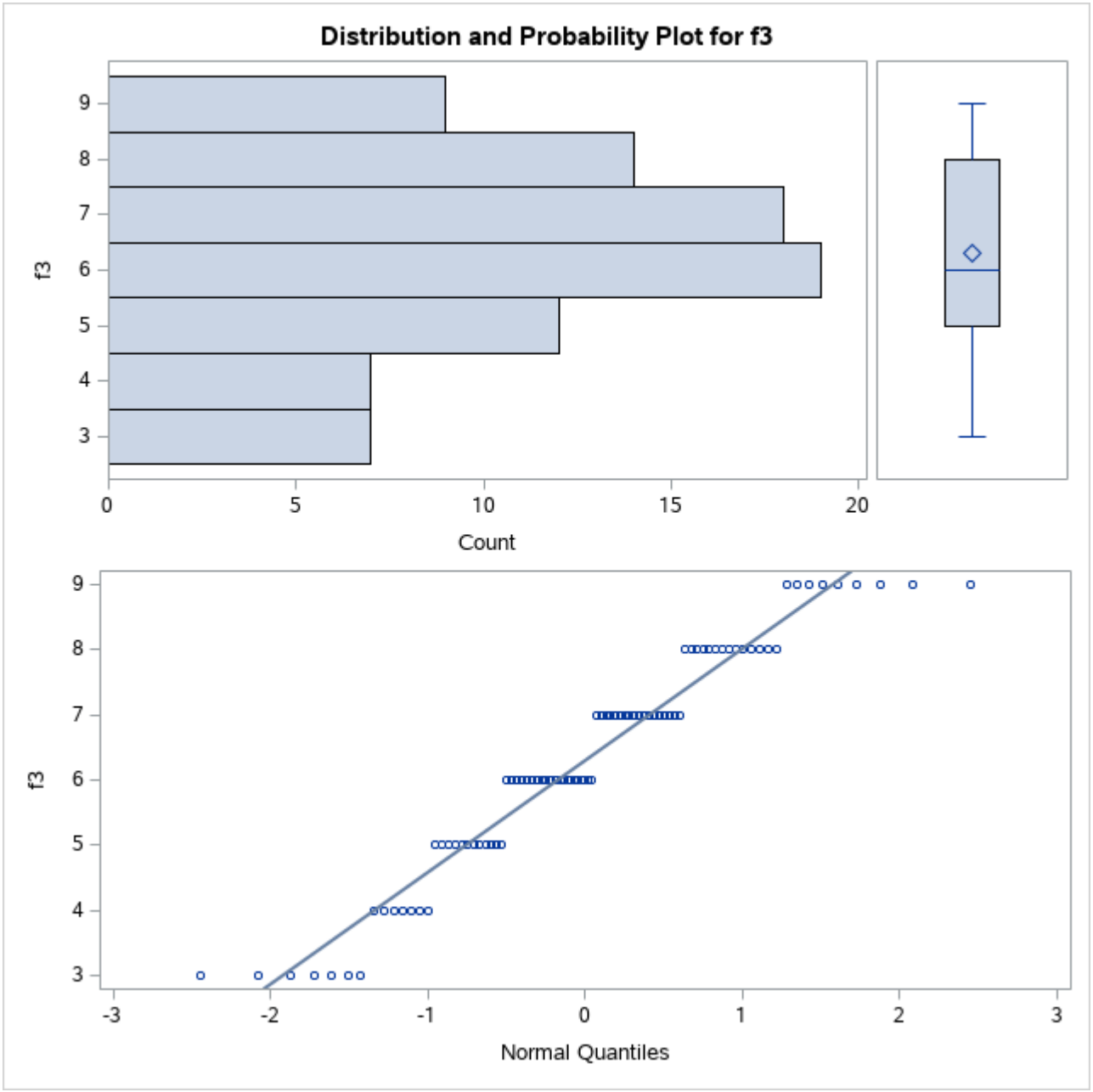
Tests for Normality				
Test	Statistic		p Value	
Cramer-von Mises	W-Sq	0.249607	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.552125	Pr > A-Sq	<0.0050

The UNIVARIATE Procedure
Variable: f4

Moments			
N	87	Sum Weights	87
Mean	5.63218391	Sum Observations	490
Std Deviation	2.01802887	Variance	4.07244052
Skewness	-0.0973318	Kurtosis	-0.7339927
Uncorrected SS	3110	Corrected SS	350.229885
Coeff Variation	35.8303085	Std Error Mean	0.2163554

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.947593	Pr < W	0.0015
Kolmogorov-Smirnov	D	0.117343	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.202045	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.301071	Pr > A-Sq	<0.0050

The UNIVARIATE Procedure

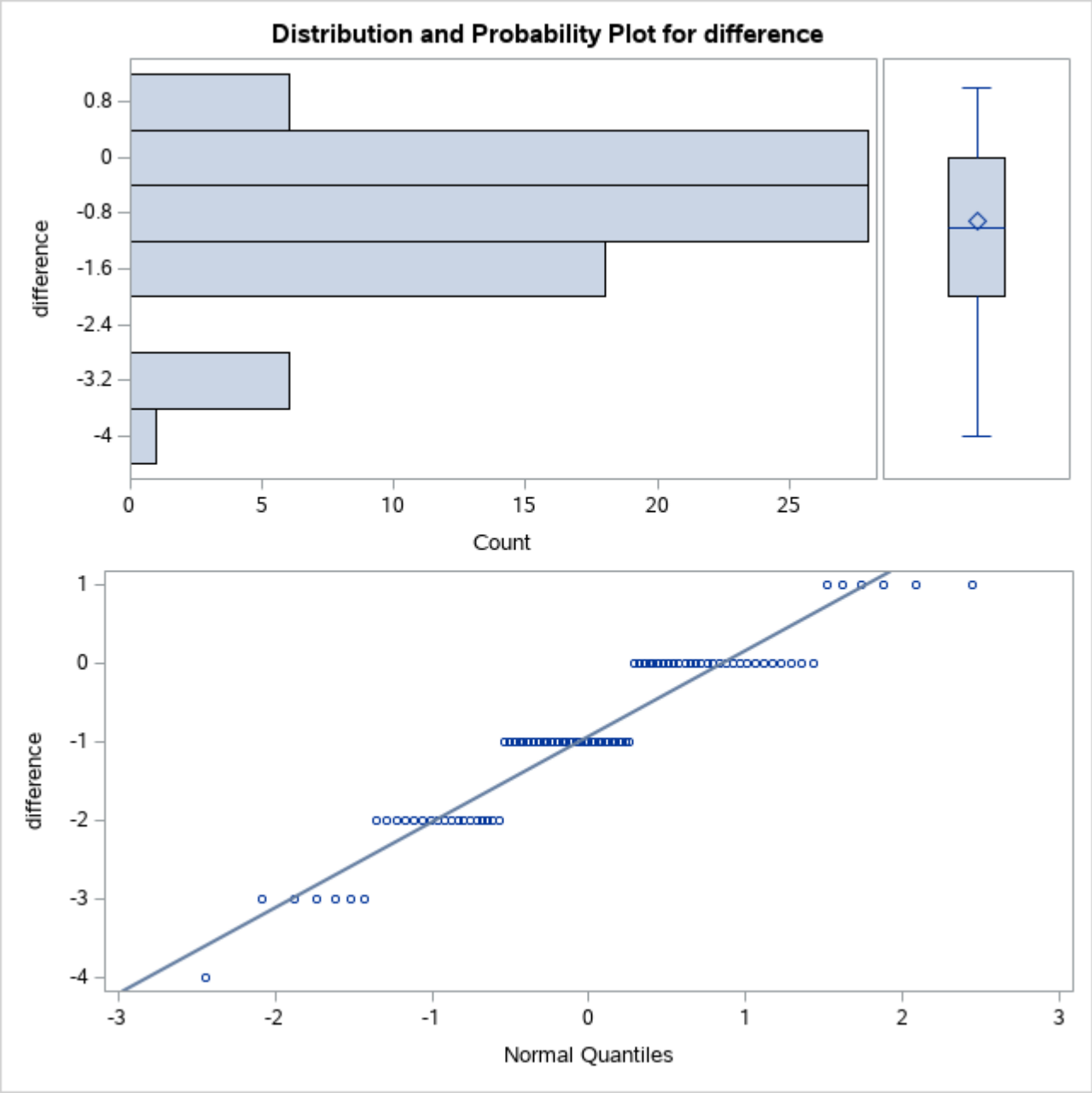


The UNIVARIATE Procedure
Variable: difference

Moments			
N	87	**Sum Weights**	87
Mean	-0.9195402	**Sum Observations**	-80
Std Deviation	1.0913869	**Variance**	1.19112537
Skewness	-0.3824239	**Kurtosis**	-0.2210449
Uncorrected SS	176	**Corrected SS**	102.436782
Coeff Variation	-118.68833	**Std Error Mean**	0.11700896

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	-7.85872	**Pr > |t|**	<.0001
Sign	**M**	-23.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	-780	**Pr >= |S|**	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.914772	**Pr < W**	<0.0001
Kolmogorov-Smirnov	**D**	0.191063	**Pr > D**	<0.0100
Cramer-von Mises	**W-Sq**	0.603162	**Pr > W-Sq**	<0.0050
Anderson-Darling	**A-Sq**	3.339482	**Pr > A-Sq**	<0.0050



The UNIVARIATE Procedure
Variable: difference
Gender = Female

Moments			
N	43	**Sum Weights**	43
Mean	-0.9069767	**Sum Observations**	-39
Std Deviation	1.17136375	**Variance**	1.37209302
Skewness	-0.5611377	**Kurtosis**	-0.1272379

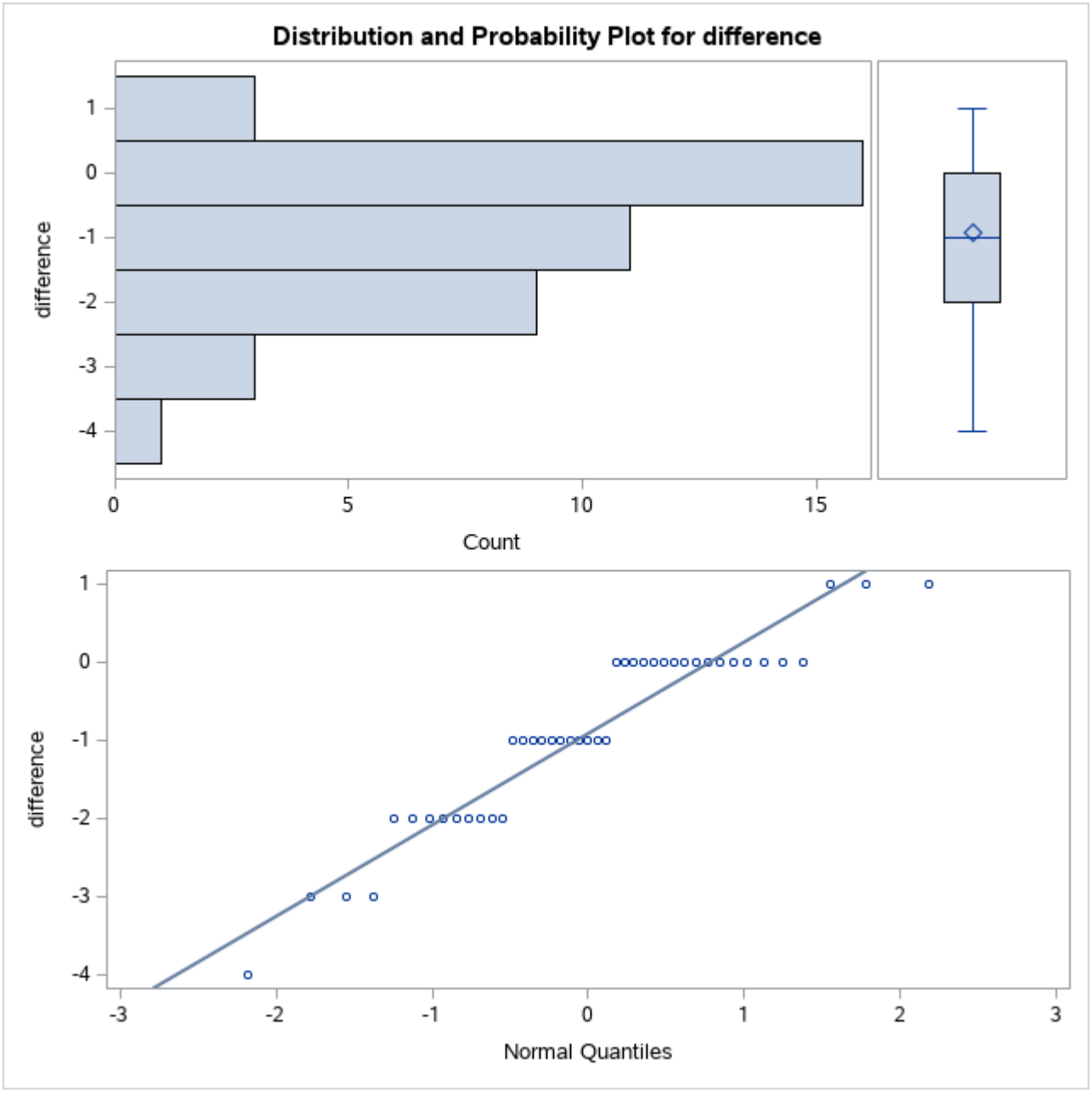
Moments			
Uncorrected SS	93	Corrected SS	57.627907
Coeff Variation	-129.15036	Std Error Mean	0.1786313

Basic Statistical Measures			
Location		Variability	
Mean	-0.90698	Std Deviation	1.17136
Median	-1.00000	Variance	1.37209
Mode	0.00000	Range	5.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-5.07737	Pr > |t|	<.0001
Sign	M	-10.5	Pr >= |M|	<.0001
Signed Rank	S	-166.5	Pr >= |S|	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-4	87	0	59
-3	63	0	68
-3	56	1	21
-3	19	1	43
-2	85	1	62



The UNIVARIATE Procedure
Variable: difference
Gender = Male

Moments			
N	44	**Sum Weights**	44
Mean	-0.9318182	**Sum Observations**	-41
Std Deviation	1.02066388	**Variance**	1.04175476
Skewness	-0.1415272	**Kurtosis**	-0.3277313
Uncorrected SS	83	**Corrected SS**	44.7954545
Coeff Variation	-109.53466	**Std Error Mean**	0.15387087

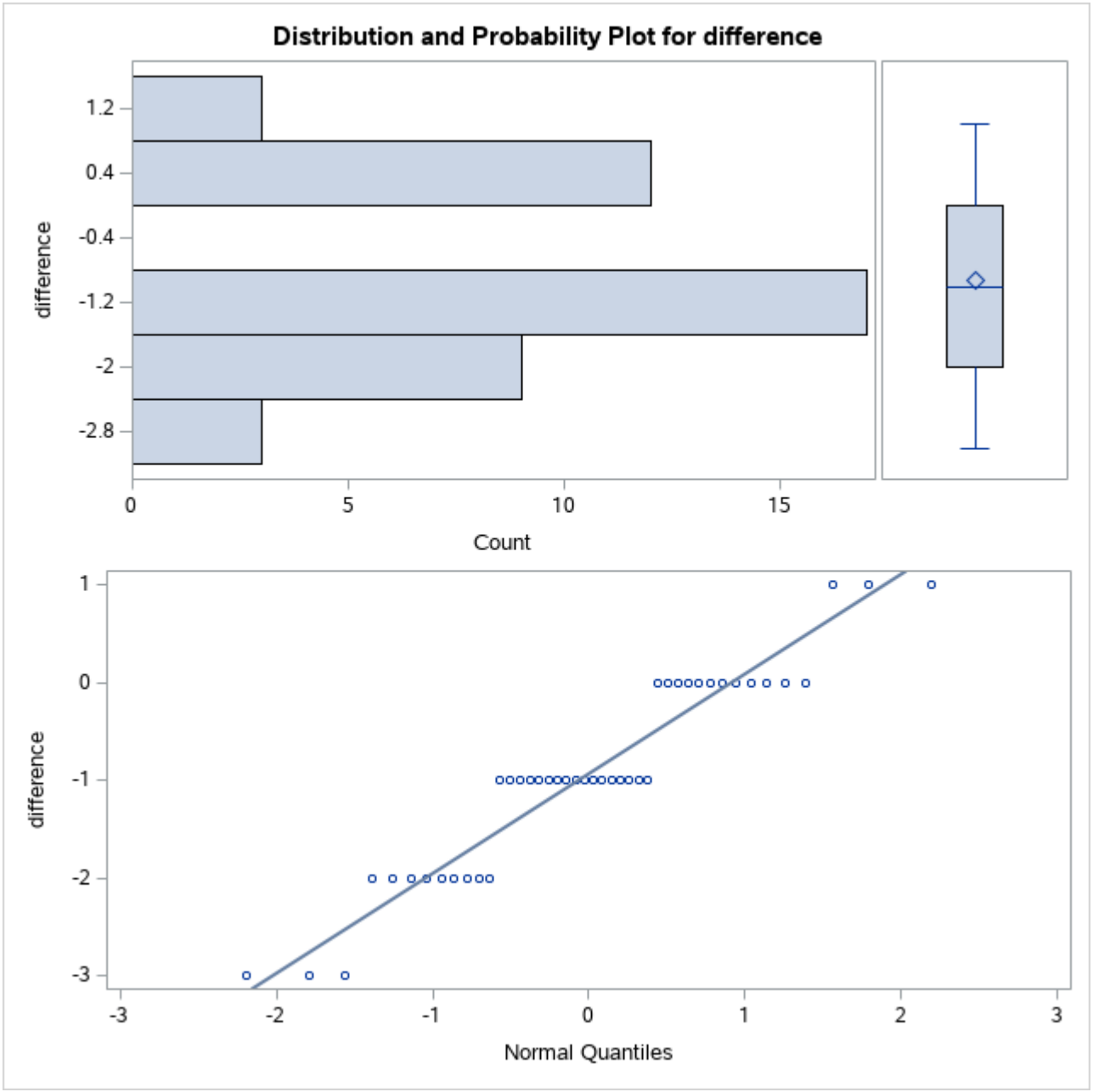
Basic Statistical Measures			
Location		**Variability**	
Mean	-0.93182	**Std Deviation**	1.02066
Median	-1.00000	**Variance**	1.04175
Mode	-1.00000	**Range**	4.00000

Basic Statistical Measures			
Location		Variability	
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-6.05585	Pr > |t|	<.0001
Sign	M	-13	Pr >= |M|	<.0001
Signed Rank	S	-232.5	Pr >= |S|	<.0001

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

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-3	70	0	67
-3	66	0	73
-3	17	1	33
-2	84	1	45
-2	75	1	83


Distribution and Probability Plot for difference
difference
1.2
0.4
-0.4
-1.2
-2
-2.8
0
5
10
15
Count
difference
1
0
-1
-2
-3
-3
-2
-1
0
1
2
3
Normal Quantiles