

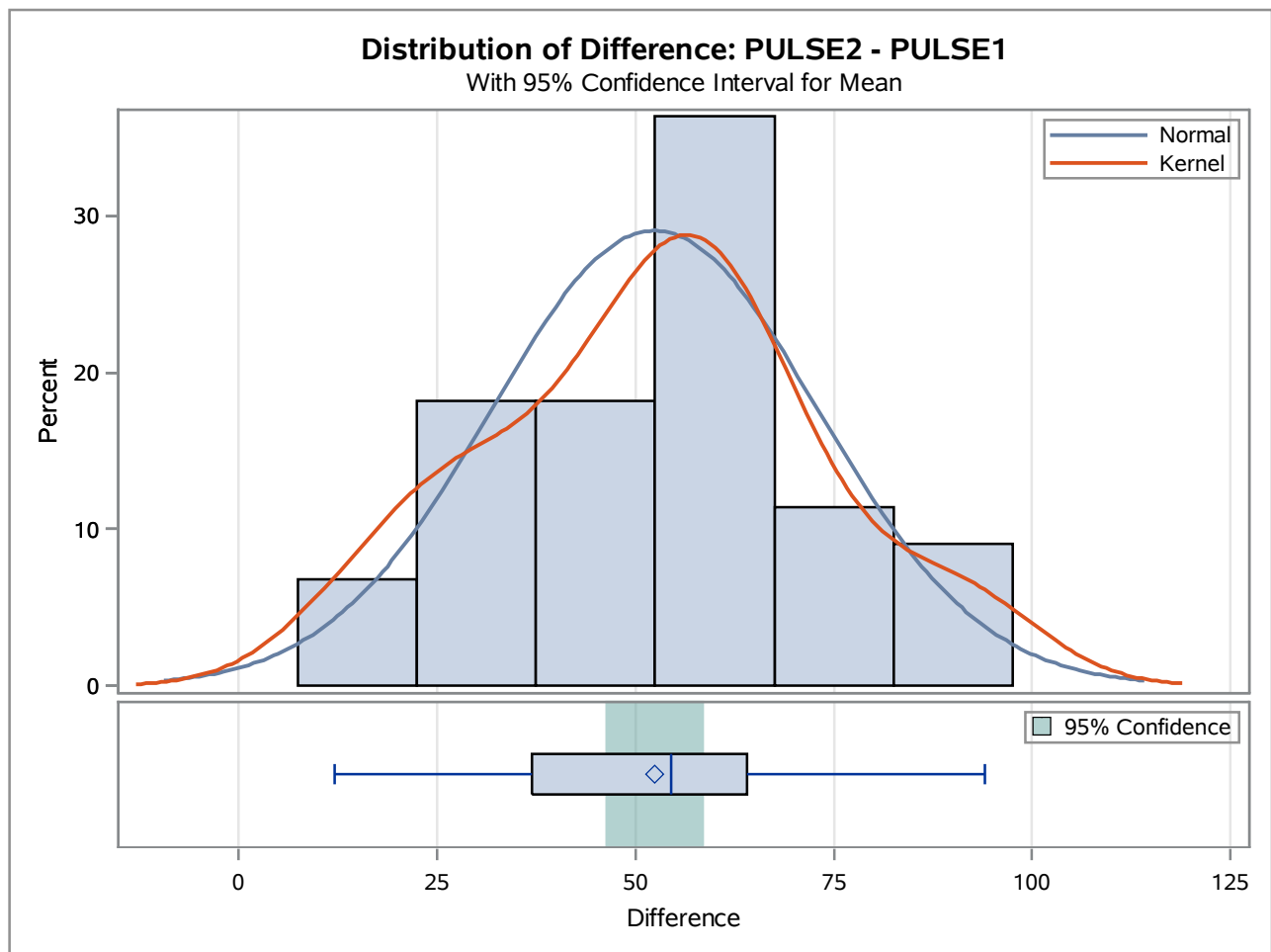
## The TTEST Procedure

Difference: PULSE2 - PULSE1

N	Mean	Std Dev	Std Err	Minimum	Maximum
44	52.4091	20.5984	3.1053	12.0000	94.0000

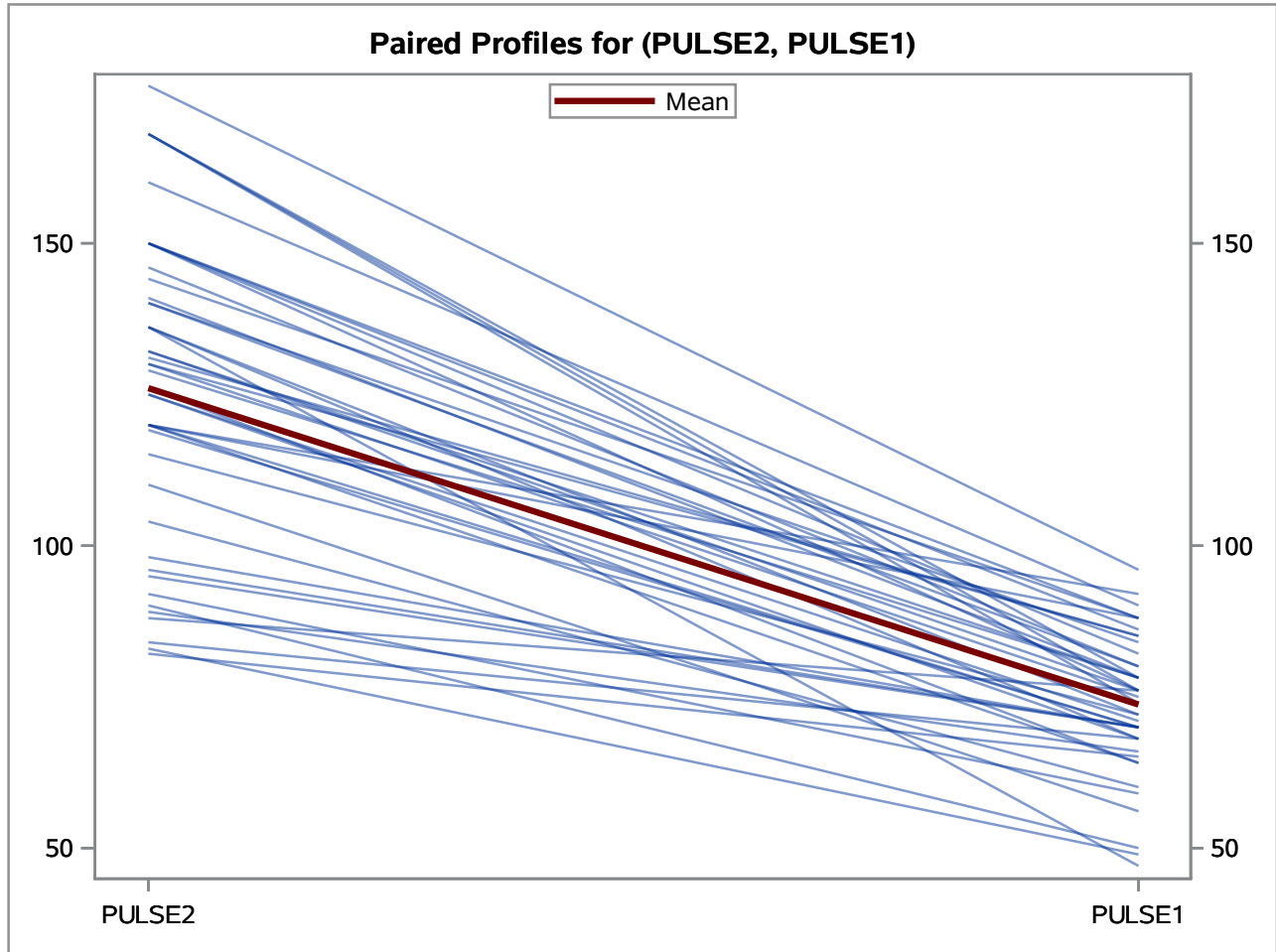
Mean	95% CL Mean		Std Dev	95% CL Std Dev	
52.4091	46.1466	58.6716	20.5984	17.0189	26.0987

DF	t Value	Pr >  t
43	16.88	<.0001



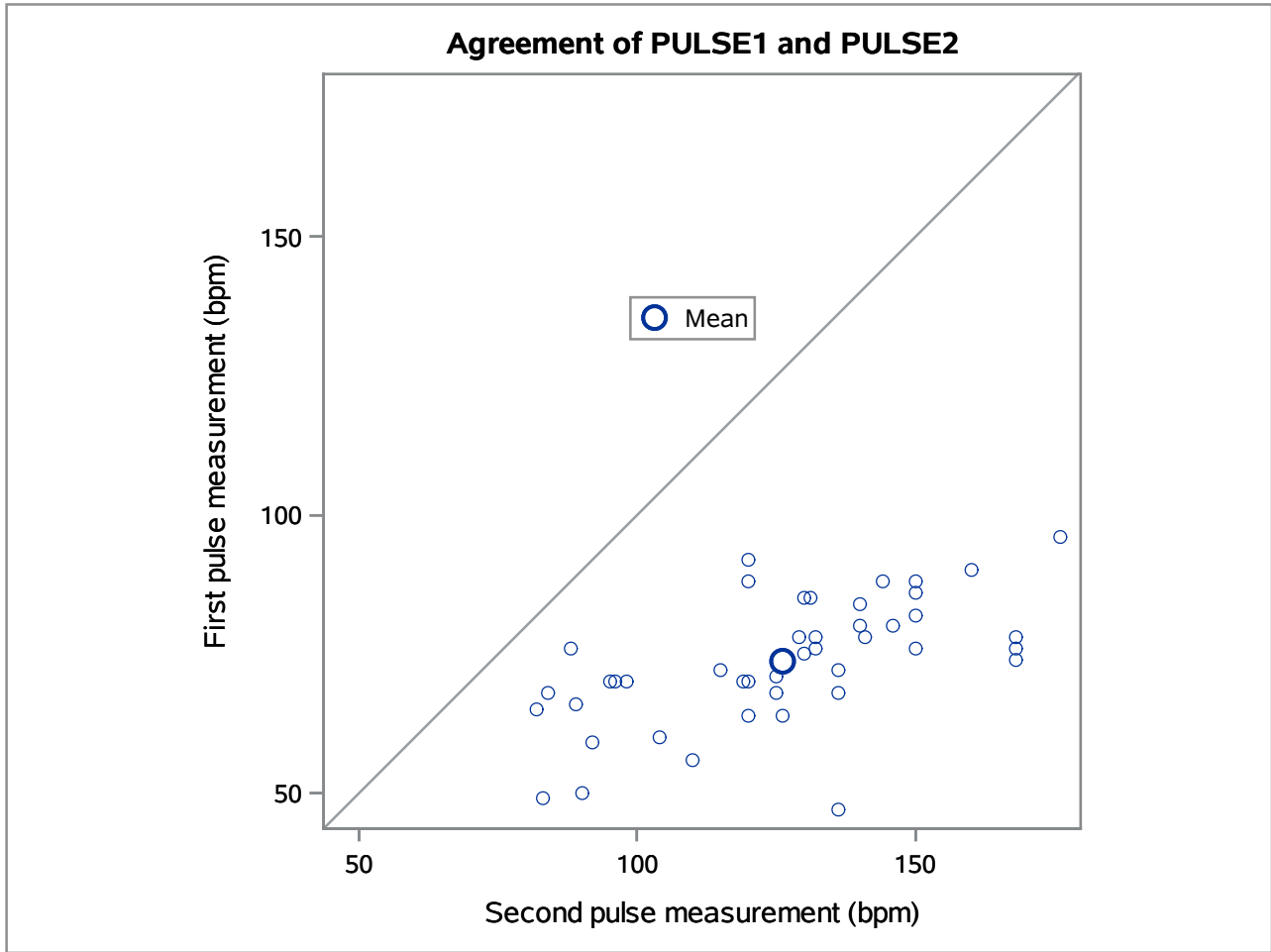
### The TTEST Procedure

Difference: PULSE2 - PULSE1



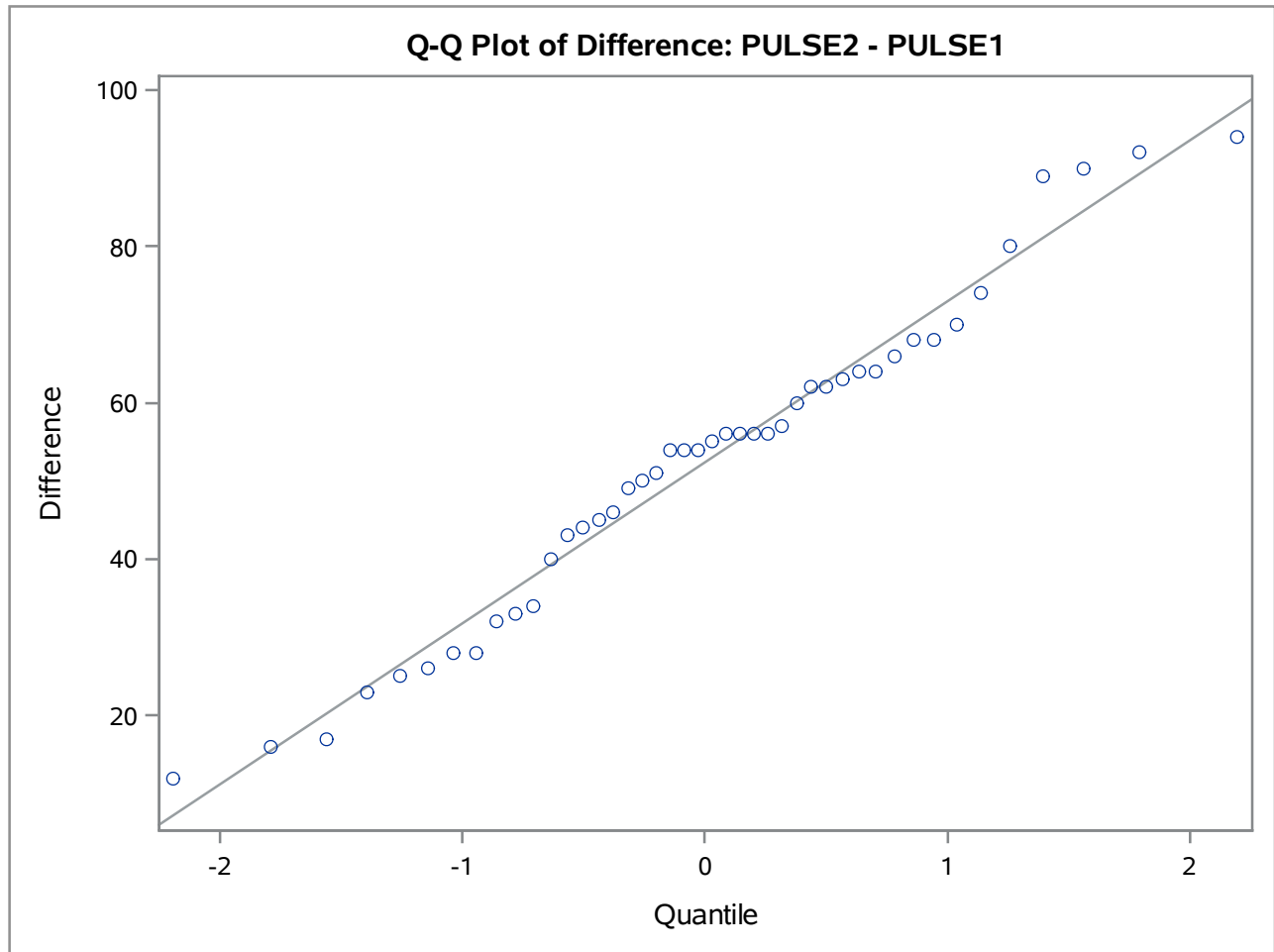
### The TTEST Procedure

Difference: PULSE2 - PULSE1



## The TTEST Procedure

Difference: PULSE2 - PULSE1



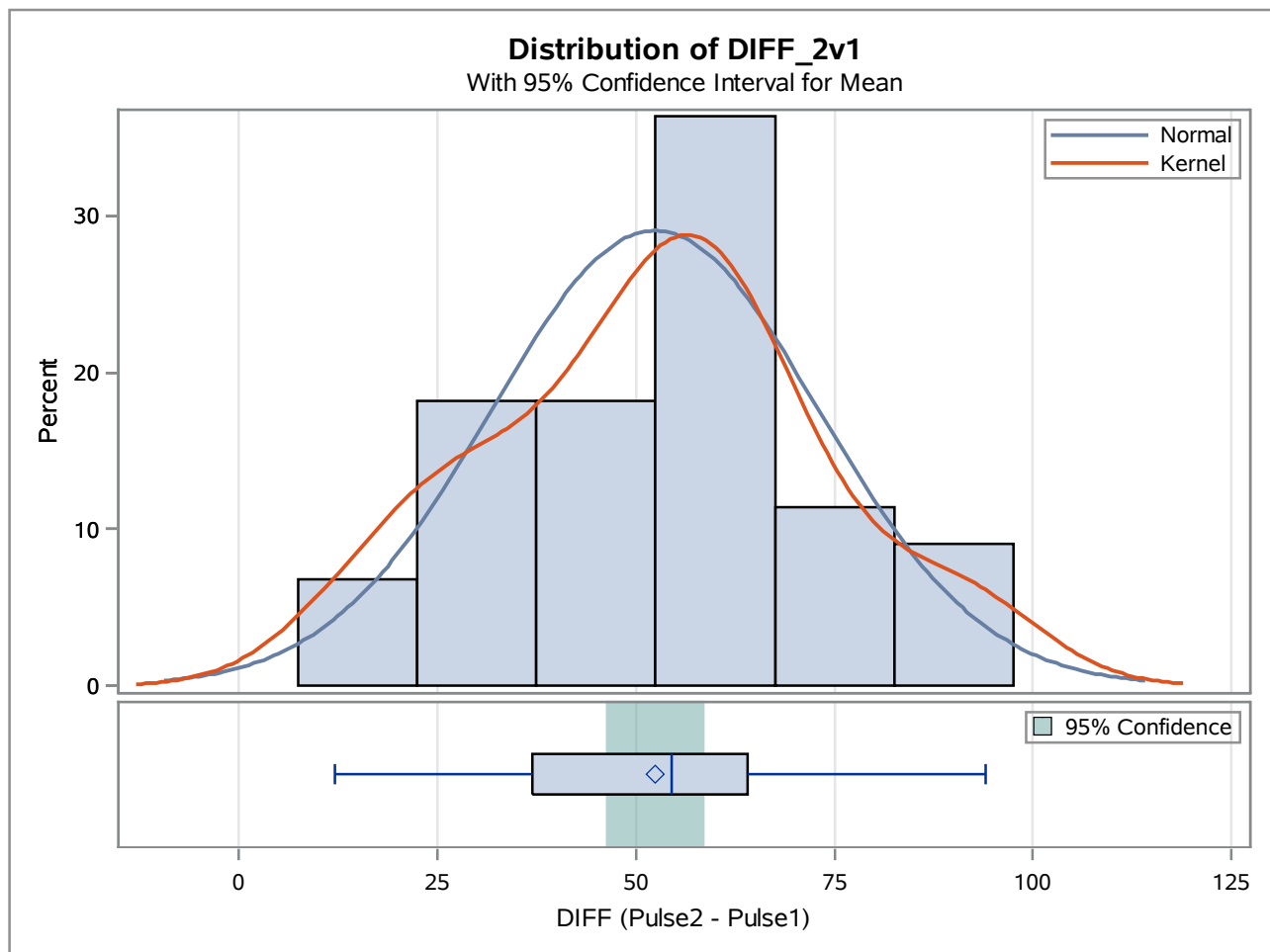
## The TTEST Procedure

Variable: DIFF\_2v1 (DIFF (Pulse2 - Pulse1))

N	Mean	Std Dev	Std Err	Minimum	Maximum
44	52.4091	20.5984	3.1053	12.0000	94.0000

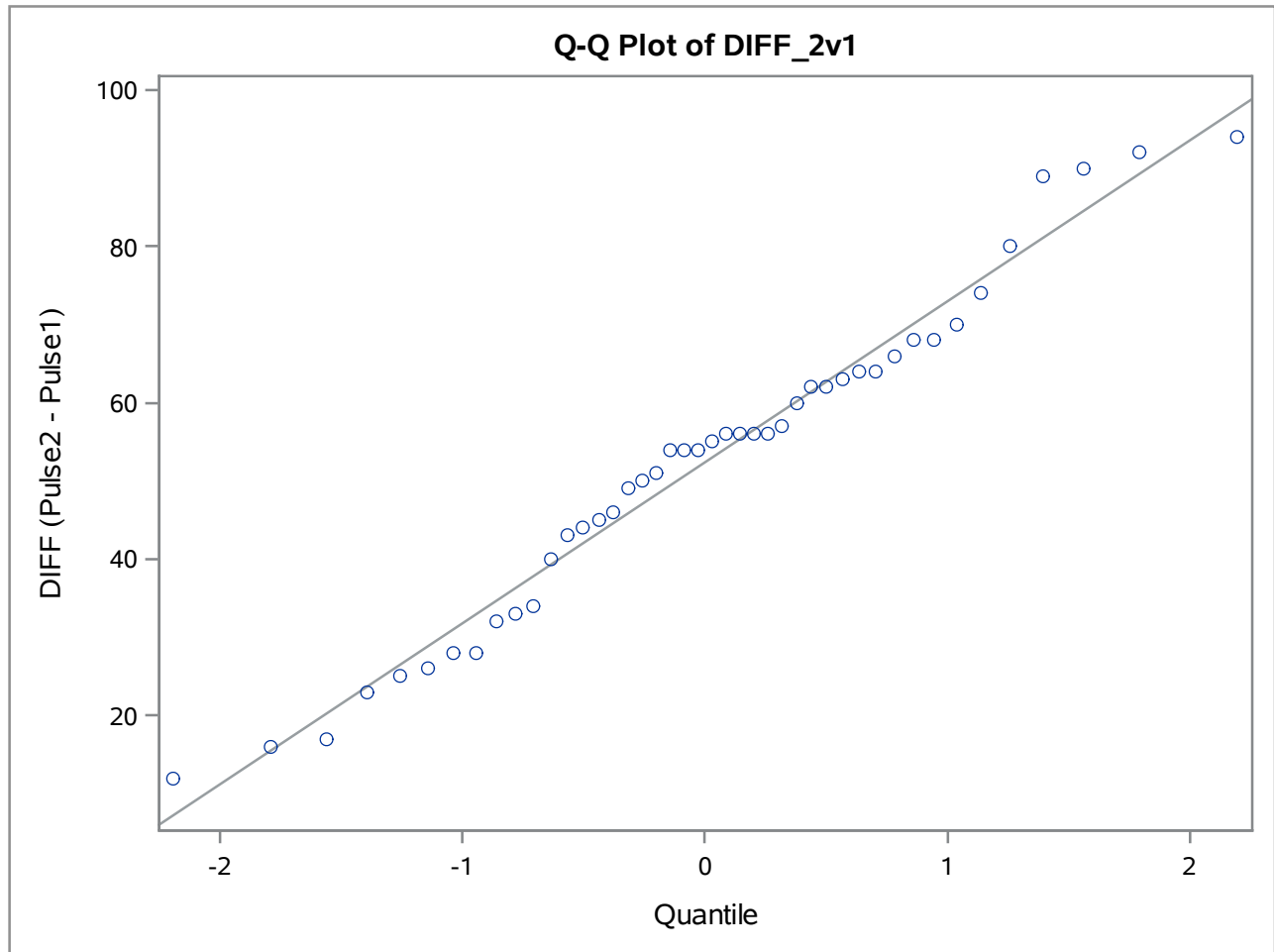
Mean	95% CL Mean	Std Dev	95% CL Std Dev
52.4091	46.1466 58.6716	20.5984	17.0189 26.0987

DF	t Value	Pr >  t
43	16.88	<.0001



## The TTEST Procedure

Variable: DIFF\_2v1 (DIFF (Pulse2 - Pulse1))



**The UNIVARIATE Procedure**  
**Variable: DIFF\_2v1 (DIFF (Pulse2 - Pulse1))**

Moments			
<b>N</b>	44	<b>Sum Weights</b>	44
<b>Mean</b>	52.4090909	<b>Sum Observations</b>	2306
<b>Std Deviation</b>	20.5983948	<b>Variance</b>	424.293869
<b>Skewness</b>	0.03132135	<b>Kurtosis</b>	-0.3501201
<b>Uncorrected SS</b>	139100	<b>Corrected SS</b>	18244.6364
<b>Coeff Variation</b>	39.303095	<b>Std Error Mean</b>	3.10532486

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	52.40909	<b>Std Deviation</b>	20.59839
<b>Median</b>	54.50000	<b>Variance</b>	424.29387
<b>Mode</b>	56.00000	<b>Range</b>	82.00000
		<b>Interquartile Range</b>	27.00000

Basic Confidence Limits Assuming Normality			
Parameter	Estimate	95% Confidence Limits	
<b>Mean</b>	52.40909	46.14661	58.67158
<b>Std Deviation</b>	20.59839	17.01886	26.09869
<b>Variance</b>	424.29387	289.64174	681.14174

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	t	16.87717	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	M	22	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	S	495	<b>Pr &gt;=  S </b>	<.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	94.0
<b>99%</b>	94.0
<b>95%</b>	90.0
<b>90%</b>	80.0
<b>75% Q3</b>	64.0
<b>50% Median</b>	54.5
<b>25% Q1</b>	37.0
<b>10%</b>	25.0

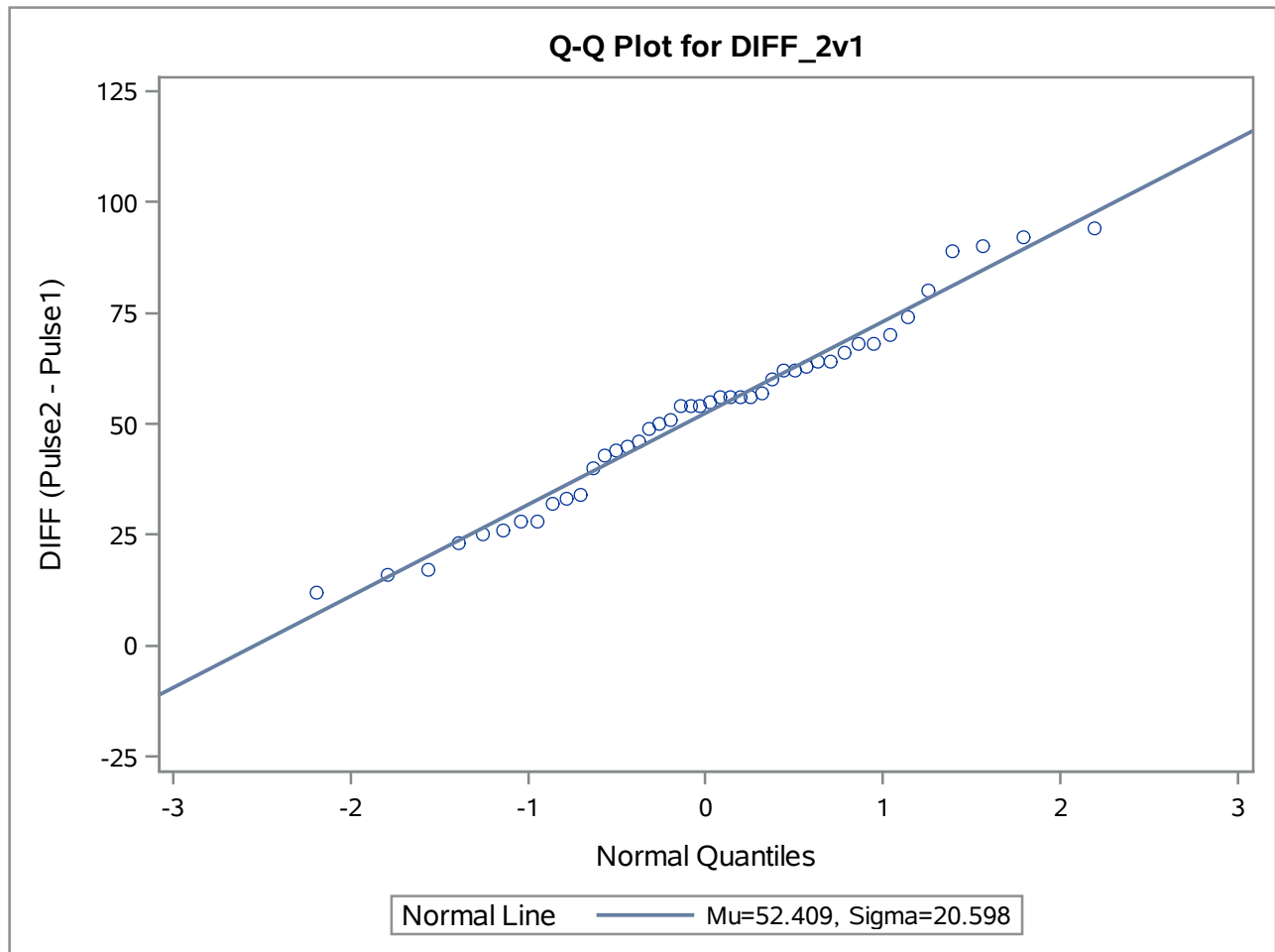
**The UNIVARIATE Procedure**  
**Variable: DIFF\_2v1 (DIFF (Pulse2 - Pulse1))**

Quantiles (Definition 5)	
Level	Quantile
5%	17.0
1%	12.0
0% Min	12.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
12	11	80	3
16	58	89	61
17	60	90	29
23	49	92	101
25	51	94	34



## The UNIVARIATE Procedure



**The MEANS Procedure**

Analysis Variable : DIFF_2v1 DIFF (Pulse2 - Pulse1)				
N	Mean	Std Dev	Lower 95% CL for Mean	Upper 95% CL for Mean
44	52.4090909	20.5983948	46.1466065	58.6715753

**The MEANS Procedure**

Analysis Variable : DIFF_2v1 DIFF (Pulse2 - Pulse1)				
Minimum	Lower Quartile	Median	Upper Quartile	Maximum
12.0000000	37.0000000	54.5000000	64.0000000	94.0000000

