The UNIVARIATE Procedure
Variable: Difference (Difference)

Moments			
N	24	**Sum Weights**	24
Mean	19.5416667	**Sum Observations**	469
Std Deviation	16.8057422	**Variance**	282.432971
Skewness	-0.1947873	**Kurtosis**	-0.3227285
Uncorrected SS	15661	**Corrected SS**	6495.95833
Coeff Variation	85.9995337	**Std Error Mean**	3.43045776

Basic Statistical Measures			
Location		**Variability**	
Mean	19.54167	**Std Deviation**	16.80574
Median	19.00000	**Variance**	282.43297
Mode	19.00000	**Range**	62.00000
		Interquartile Range	21.50000

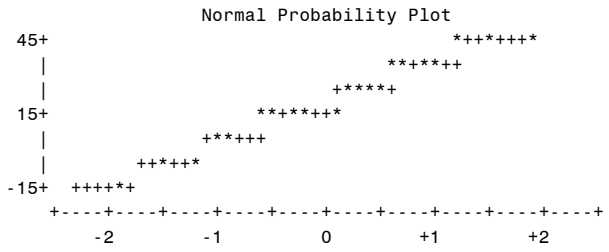
Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	5.696519	**Pr > |t|**	<.0001
Sign	**M**	9	**Pr >= |M|**	0.0003
Signed Rank	**S**	134	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Quantile	**Estimate**
100% Max	49.0
99%	49.0
95%	48.0
90%	41.0
75% Q3	31.5
50% Median	19.0
25% Q1	10.0
10%	-8.0
5%	-10.0
1%	-13.0
0% Min	-13.0

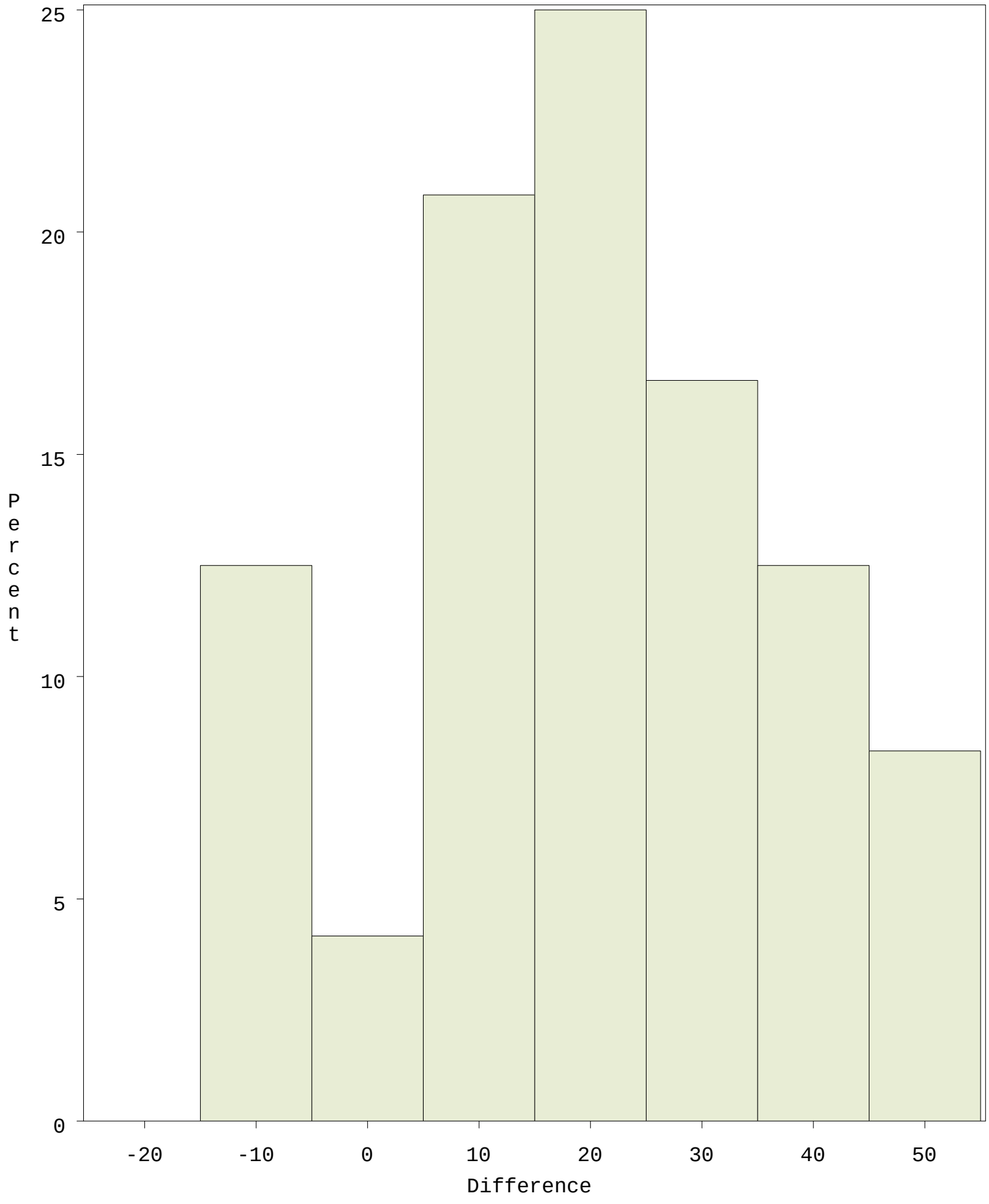
The UNIVARIATE Procedure
Variable: Difference (Difference)

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-13	13	35	18
-10	2	36	5
-8	19	41	23
2	15	48	7
8	22	49	1

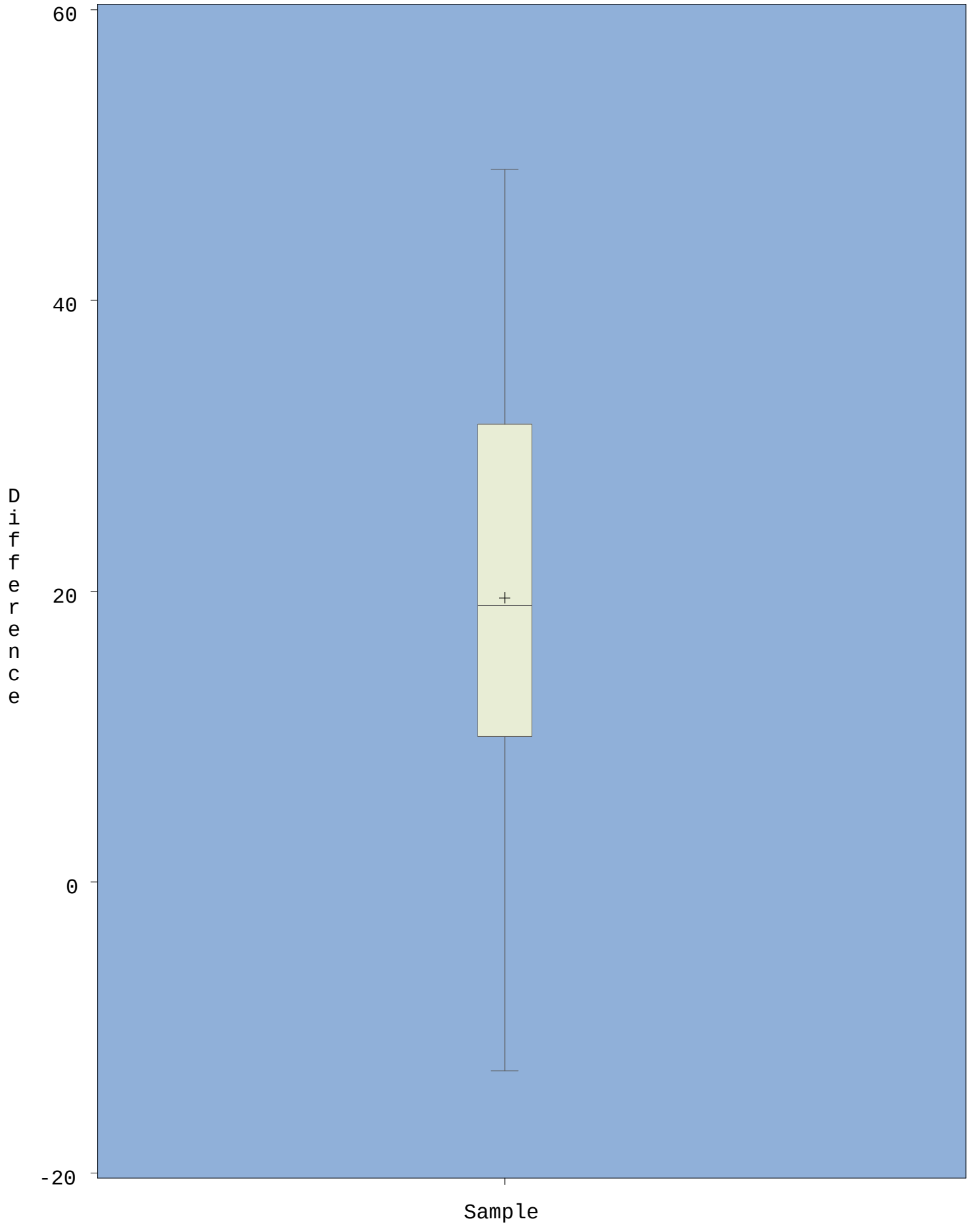
```
Stem Leaf                     #             Boxplot
   4 189                      3                |
   3 1256                     4             +-----+
   2 1378                     4             |  +  |
   1 2336999                  7             *-----*
   0 288                      3                |
  -0 8                        1                |
  -1 30                       2                |
     ----+----+----+----+
 Multiply Stem.Leaf by 10**+1
```



Serum cholesterol changes



Serum cholesterol changes



The UNIVARIATE Procedure
Variable: Difference (Difference)

Gender=Female

Moments			
N	12	**Sum Weights**	12
Mean	23.9166667	**Sum Observations**	287
Std Deviation	16.6921774	**Variance**	278.628788
Skewness	-0.3013776	**Kurtosis**	0.35995676
Uncorrected SS	9929	**Corrected SS**	3064.91667
Coeff Variation	69.7930764	**Std Error Mean**	4.81861657

Basic Statistical Measures			
Location		**Variability**	
Mean	23.91667	**Std Deviation**	16.69218
Median	24.00000	**Variance**	278.62879
Mode	.	**Range**	59.00000
		Interquartile Range	19.50000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	4.963389	**Pr > |t|**	0.0004
Sign	**M**	5	**Pr >= |M|**	0.0063
Signed Rank	**S**	37	**Pr >= |S|**	0.0015

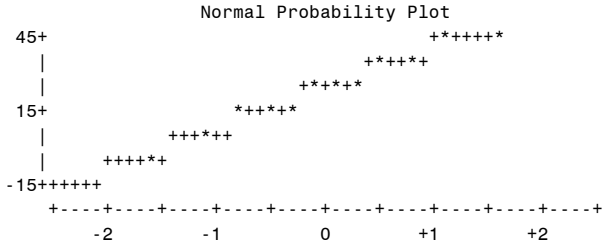
Quantiles (Definition 5)	
Quantile	**Estimate**
100% Max	49.0
99%	49.0
95%	49.0
90%	48.0
75% Q3	34.0
50% Median	24.0
25% Q1	14.5
10%	8.0
5%	-10.0
1%	-10.0
0% Min	-10.0

The UNIVARIATE Procedure
Variable: Difference (Difference)

Gender=Female

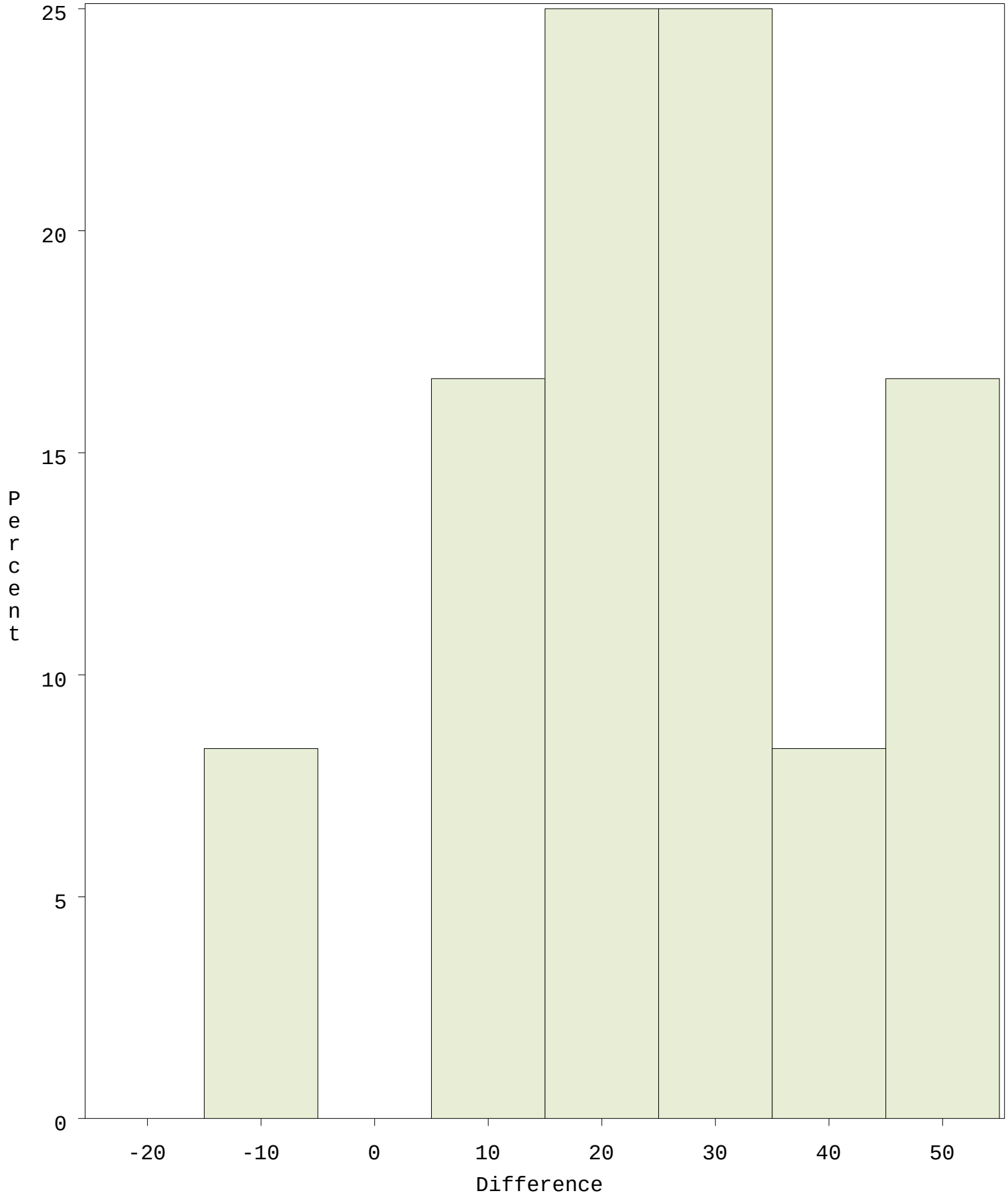
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-10	2	28	12
8	9	32	11
13	4	36	5
16	10	48	7
19	6	49	1

```
Stem Leaf                     #             Boxplot
   4 89                       2                |
   3 26                       2             +-----+
   2 178                      3             *--+--*
   1 369                      3             +-----+
   0 8                        1                |
  -0                                           |
  -1 0                        1                |
     ----+----+----+----+
 Multiply Stem.Leaf by 10**+1
```



Serum cholesterol changes by gender

Gender=Female



The UNIVARIATE Procedure
Variable: Difference (Difference)

Gender=Male

Moments			
N	12	**Sum Weights**	12
Mean	15.1666667	**Sum Observations**	182
Std Deviation	16.4362865	**Variance**	270.151515
Skewness	-0.1933017	**Kurtosis**	-0.5411342
Uncorrected SS	5732	**Corrected SS**	2971.66667
Coeff Variation	108.37112	**Std Error Mean**	4.74474723

Basic Statistical Measures			
Location		**Variability**	
Mean	15.16667	**Std Deviation**	16.43629
Median	16.00000	**Variance**	270.15152
Mode	19.00000	**Range**	54.00000
		Interquartile Range	22.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	3.196517	**Pr > |t|**	0.0085
Sign	**M**	4	**Pr >= |M|**	0.0386
Signed Rank	**S**	31	**Pr >= |S|**	0.0117

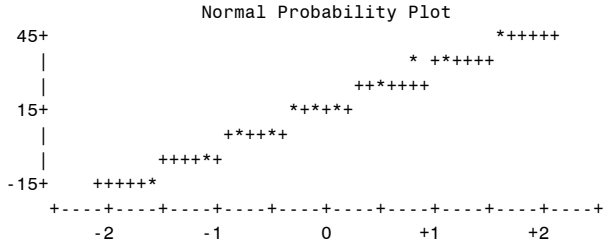
Quantiles (Definition 5)	
Quantile	**Estimate**
100% Max	41
99%	41
95%	41
90%	35
75% Q3	27
50% Median	16
25% Q1	5
10%	-8
5%	-13
1%	-13
0% Min	-13

The UNIVARIATE Procedure
Variable: Difference (Difference)

Gender=Male

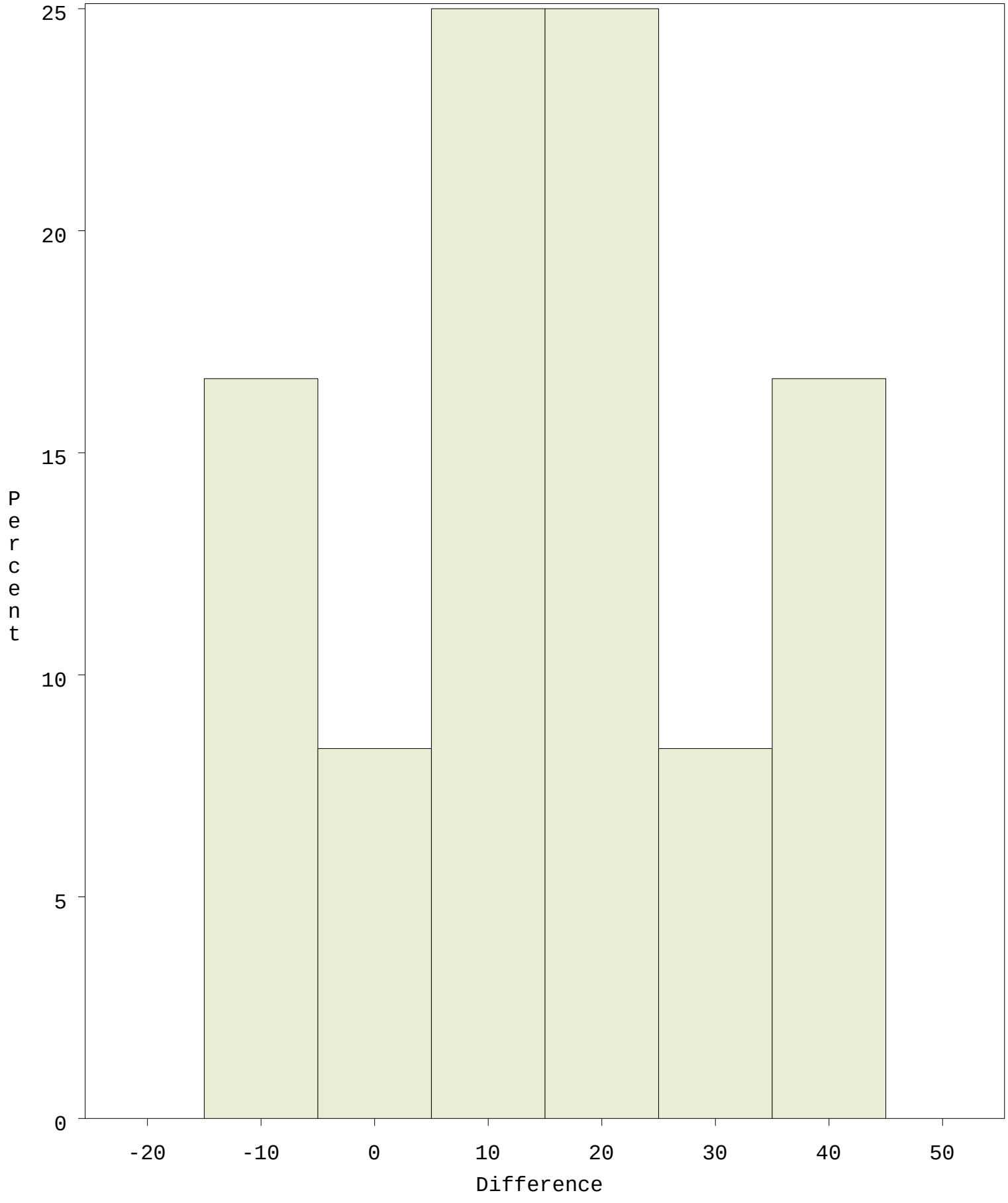
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-13	13	19	17
-8	19	23	20
2	15	31	14
8	22	35	18
12	24	41	23

```
Stem Leaf                     #             Boxplot
   4 1                        1                |
   3 15                       2                |
   2 3                        1            +-----+
   1 2399                     4            *--+--*
   0 28                       2            +-----+
  -0 8                        1                |
  -1 3                        1                |
     ----+----+----+----+
 Multiply Stem.Leaf by 10**+1
```



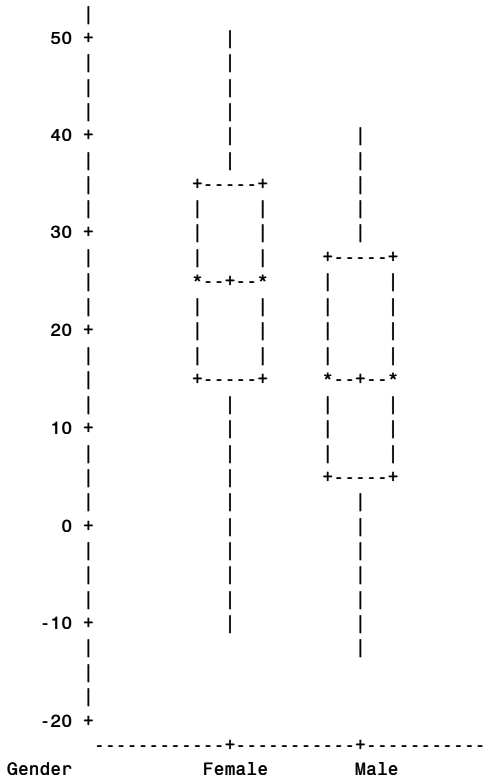
Serum cholesterol changes by gender

Gender=Male



The UNIVARIATE Procedure
Variable: Difference (Difference)

Schematic Plots



Serum cholesterol changes by gender