#### The UNIVARIATE Procedure Variable: Runtime

Moments					
N	31	Sum Weights	31		
Mean	10.586129	<b>Sum Observations</b>	328.17		
<b>Std Deviation</b>	1.38741409	Variance	1.92491785		
Skewness	0.51465208	Kurtosis	0.13604218		
Uncorrected SS 3531.7975 Corrected SS 57.74					
Coeff Variation	13.1059624	Std Error Mean	0.24918693		

	Basic Statistical Measures				
Location Variability					
Mean	10.58613	Std Deviation 1.387			
Median	10.47000	Variance	1.92492		
Mode		Range	5.86000		
		Interquartile Range	1.74000		

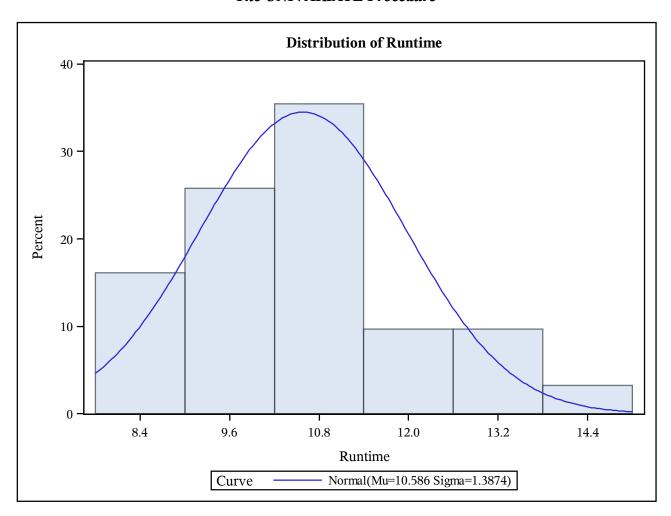
Tests for Location: Mu0=0					
Test	Statistic p Value				
Student's t	t 42.48268		Pr >  t	<.0001	
Sign	M	15.5	Pr >=  M	<.0001	
Signed Rank	S	248	Pr >=  S	<.0001	

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	14.03	
99%	14.03	
95%	13.08	
90%	12.63	
75% Q3	11.37	
50% Median	10.47	
25% Q1	9.63	
10%	8.92	
5%	8.63	

The UNIVARIATE Procedure Variable: Runtime

Quantiles (Definition 5)		
Quantile	Estimate	
1%	8.17	
0% Min	8.17	

Extreme Observations				
Low	est	High	est	
Value	Obs	Value Ob		
8.17	1	11.95	27	
8.63	2	12.63	28	
8.65	3	12.88	29	
8.92	4	13.08	30	
8.95	5	14.03	31	

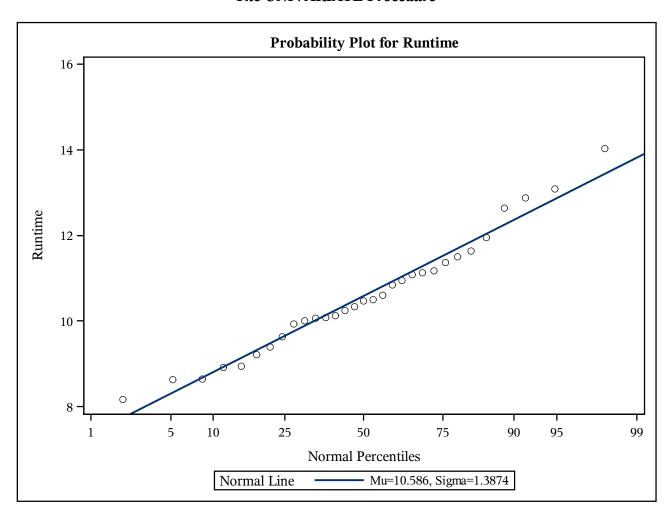


## The UNIVARIATE Procedure Fitted Normal Distribution for Runtime

Parameters for Normal Distribution				
Parameter	Symbol Estimate			
Mean	Mu	10.58613		
Std Dev	Sigma	1.387414		

Goodness-of-Fit Tests for Normal Distribution					
Test	Statistic p Value				
Kolmogorov-Smirnov	D	0.07887365	Pr > D	>0.150	
Cramer-von Mises	W-Sq	0.03748843	Pr > W-Sq	>0.250	
Anderson-Darling	A-Sq	0.26425028	Pr > A-Sq	>0.250	

Quantiles for Normal Distribution			
	Qua	ntile	
Percent	Observed	Estimated	
1.0	8.17000	7.35852	
5.0	8.63000	8.30404	
10.0	8.92000	8.80809	
25.0	9.63000	9.65033	
50.0	10.47000	10.58613	
75.0	11.37000	11.52193	
90.0	12.63000	12.36417	
95.0	13.08000	12.86822	
99.0	14.03000	13.81374	



#### The UNIVARIATE Procedure Variable: Age

Moments					
N	31	Sum Weights	31		
Mean	47.6774194	<b>Sum Observations</b>	1478		
<b>Std Deviation</b>	5.26236383	Variance	27.6924731		
Skewness	-0.1327661	Kurtosis	-0.7501887		
<b>Uncorrected SS</b>	71298	Corrected SS	830.774194		
Coeff Variation	11.0374343	Std Error Mean	0.94514845		

	Basic Statistical Measures				
Loca	Location Variability				
Mean	47.67742	Std Deviation 5.2623			
Median	48.00000	Variance	27.69247		
Mode	44.00000	<b>Range</b> 19.0000			
	Interquartile Range 8.00000				

Note: The mode displayed is the smallest of 5 modes with a count of 3.

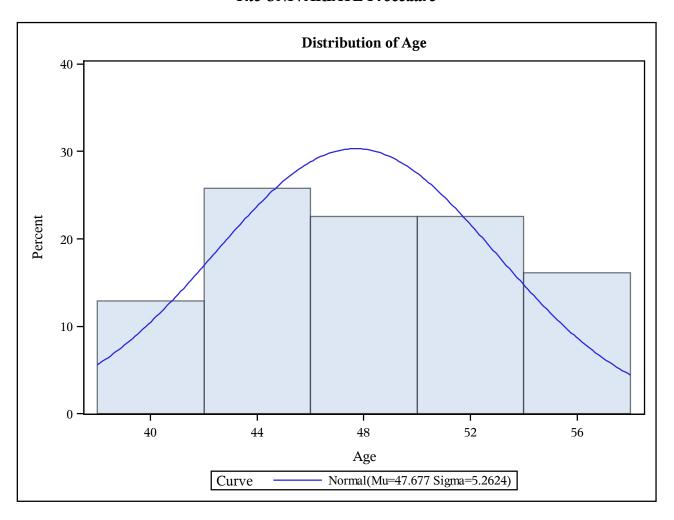
Tests for Location: Mu0=0					
Test	Statistic p Value				
Student's t	t 50.44437		Pr >  t	<.0001	
Sign	M	15.5	Pr >=  M	<.0001	
Signed Rank	S	248	Pr >=  S	<.0001	

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	57	
99%	57	
95%	57	
90%	54	
75% Q3	52	
50% Median	48	
25% Q1	44	
10%	40	
5%	38	

The UNIVARIATE Procedure Variable: Age

Quantiles (Definition 5)		
Quantile Estimate		
1% 38		
0% Min	38	

Extreme Observations			
Low	est	High	est
Value	Obs	Value	Obs
38	6	54	15
38	2	54	23
40	27	54	29
40	11	57	9
42	1	57	28

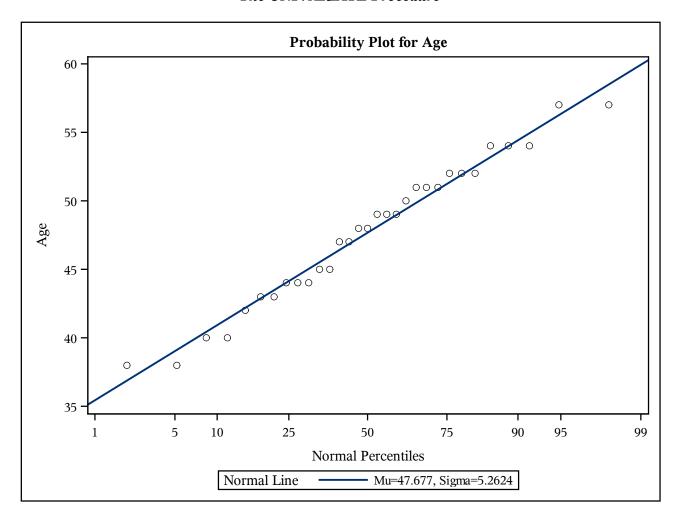


### The UNIVARIATE Procedure Fitted Normal Distribution for Age

Parameters for Normal Distribution				
Parameter   Symbol   Estimate				
<b>Mean</b> Mu 47.67742				
Std Dev Sigma 5.262364				

Goodness-of-Fit Tests for Normal Distribution					
Test Statistic p Value					
Kolmogorov-Smirnov	D	0.09094449	Pr > D	>0.150	
Cramer-von Mises	W-Sq	0.04188852	Pr > W-Sq	>0.250	
Anderson-Darling	nderson-Darling A-Sq 0.27166782 Pr > A-Sq				

Quantiles for Normal Distribution				
	Qua	ntile		
Percent	Observed	Estimated		
1.0	38.0000	35.4353		
5.0	38.0000	39.0216		
10.0	40.0000 40.9334			
25.0	44.0000 44.1280			
50.0	48.0000 47.6774			
75.0	52.0000 51.2268			
90.0	54.0000	54.4214		
95.0	57.0000	56.3332		
99.0	57.0000	59.9195		



### The UNIVARIATE Procedure Variable: Weight

Moments				
N	31	Sum Weights	31	
Mean	77.4445161	<b>Sum Observations</b>	2400.78	
<b>Std Deviation</b>	8.32856764	Variance	69.3650389	
Skewness	-0.2112754	Kurtosis	-0.2698478	
<b>Uncorrected SS</b>	188008.197	Corrected SS	2080.95117	
Coeff Variation	10.7542381	Std Error Mean	1.49585491	

	Basic Statistical Measures			
Loca	Location Variability			
Mean	77.44452	Std Deviation 8.3285		
Median	77.45000	Variance 69.36504		
<b>Mode</b> 73.37000 <b>Range</b> 32.5500		32.55000		
		Interquartile Range	9.75000	

Note: The mode displayed is the smallest of 4 modes with a count of 2.

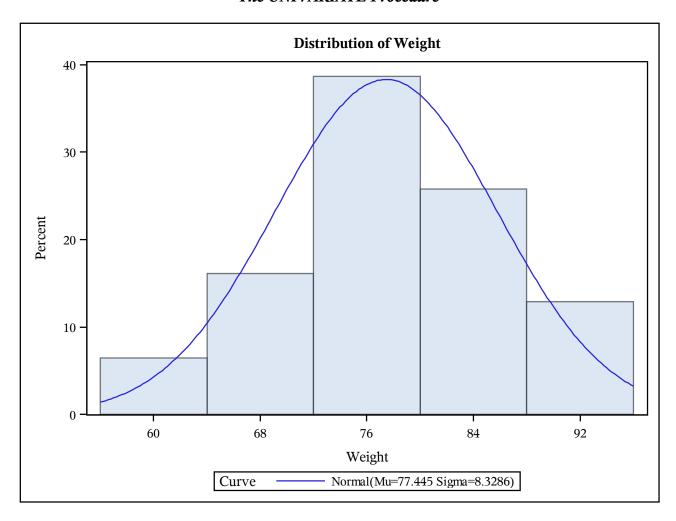
Tests for Location: Mu0=0						
Test	Statistic p Value					
Student's t	t	51.77275	Pr >  t	<.0001		
Sign	M 15.5		Pr >=  M	<.0001		
Signed Rank	S	248	Pr >=  S	<.0001		

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	91.63	
99%	91.63	
95%	91.63	
90%	89.02	
75% Q3	82.78	
<b>50% Median</b> 77.45		
25% Q1	73.03	
10%	67.25	
5%	61.24	

The UNIVARIATE Procedure Variable: Weight

Quantiles (Definition 5)		
Quantile Estimate		
1% 59.08		
<b>0% Min</b> 59.08		

Extreme Observations			
Low	est	High	est
Value	Obs	Value	Obs
59.08	9	87.66	31
61.24	25	89.02	6
66.45	22	89.47	24
67.25	21	91.63	14
68.15	1	91.63	29

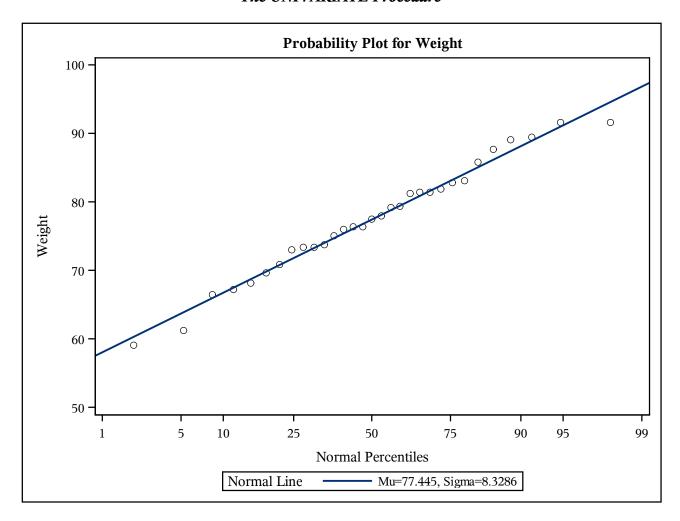


### The UNIVARIATE Procedure Fitted Normal Distribution for Weight

Parameters for Normal Distribution				
Parameter Symbol Estimate				
Mean	Mu	77.44452		
Std Dev	Std Dev Sigma 8.328568			

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic p Value			
Kolmogorov-Smirnov	D	0.07223389	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.01872379	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.15819668	Pr > A-Sq	>0.250

Quantiles for Normal Distribution			
	Quantile		
Percent	Observed	Estimated	
1.0	59.0800	58.0694	
5.0	61.2400	63.7452	
10.0	67.2500	66.7710	
25.0	73.0300	71.8270	
50.0	77.4500	77.4445	
75.0	82.7800	83.0620	
90.0	89.0200	88.1180	
95.0	91.6300	91.1438	
99.0	91.6300	96.8197	



## The UNIVARIATE Procedure Variable: Oxygen\_Consumption

Moments				
N	31	31 Sum Weights		
Mean	47.3758065	<b>Sum Observations</b>	1468.65	
<b>Std Deviation</b>	5.32777175	Variance	28.3851518	
Skewness	0.43704493	Kurtosis	0.63047713	
<b>Uncorrected SS</b>	70430.0327	<b>Corrected SS</b> 851.55		
Coeff Variation	11.2457648	Std Error Mean	0.95689605	

	Basic Statistical Measures			
Loca	Location Variability			
Mean	47.37581	Std Deviation	5.32777	
Median	46.77000	Variance 28.385		
Mode		Range 22.6700		
		Interquartile Range	5.58000	

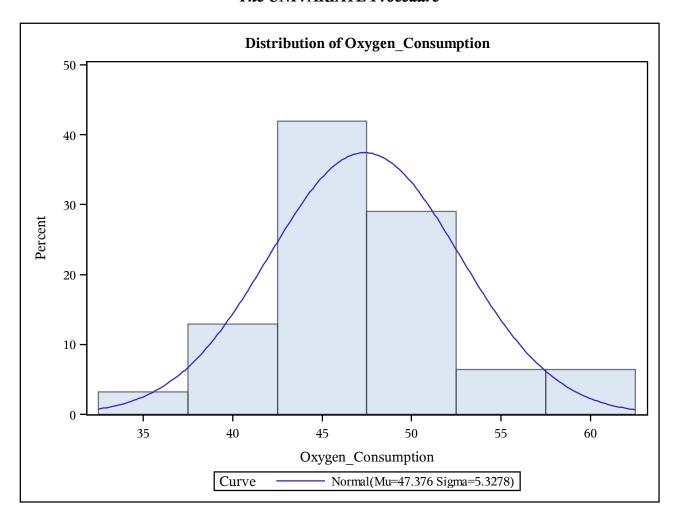
Tests for Location: Mu0=0					
Test	Statistic p Value				
Student's t	t 49.50988		Pr >  t	<.0001	
Sign	M	15.5	Pr >=  M	<.0001	
Signed Rank	S	248	Pr >=  S	<.0001	

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	60.06	
99%	60.06	
95%	59.57	
90%	54.30	
75% Q3	50.39	
50% Median	46.77	
25% Q1	44.81	
10%	39.44	
5%	39.20	

The UNIVARIATE Procedure Variable: Oxygen\_Consumption

Quantiles (Definition 5)		
Quantile Estimate		
1%	37.39	
0% Min	37.39	

<b>Extreme Observations</b>			
Low	Lowest		est
Value	Obs	Value	Obs
37.39	31	51.85	15
39.20	29	54.30	3
39.41	28	54.63	4
39.44	30	59.57	1
40.84	20	60.06	2

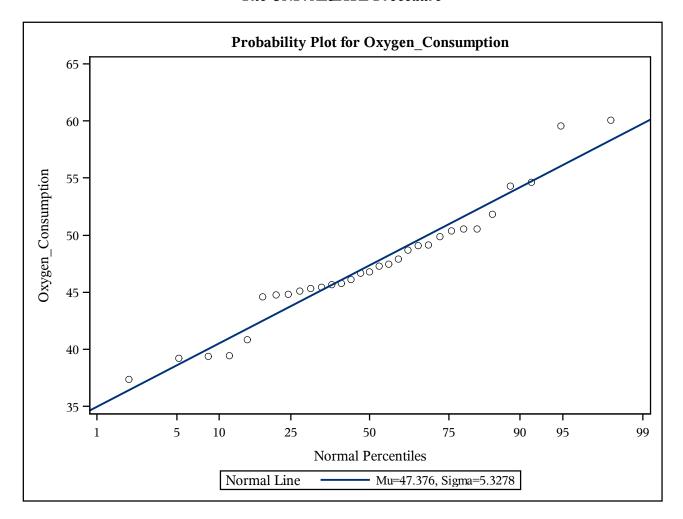


### The UNIVARIATE Procedure Fitted Normal Distribution for Oxygen\_Consumption

Parameters for Normal Distribution				
Parameter Symbol Estimate				
Mean	Mu	47.37581		
Std Dev	Std Dev Sigma 5.327772			

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic p Value			
Kolmogorov-Smirnov	D	0.14054470	Pr > D	0.119
Cramer-von Mises	W-Sq	0.08470183	Pr > W-Sq	0.179
Anderson-Darling	A-Sq	0.54029510	Pr > A-Sq	0.157

Quantiles for Normal Distribution			
	Quantile		
Percent	Observed	Estimated	
1.0	37.3900	34.9816	
5.0	39.2000	38.6124	
10.0	39.4400	40.5480	
25.0	44.8100	43.7823	
50.0	46.7700	47.3758	
75.0	50.3900	50.9693	
90.0	54.3000	54.2036	
95.0	59.5700	56.1392	
99.0	60.0600	59.7701	



### The UNIVARIATE Procedure Variable: Run\_Pulse

Moments					
N	31	31 Sum Weights			
Mean	169.645161	<b>Sum Observations</b>	5259		
Std Deviation 10.2519864		Variance	105.103226		
Skewness	-0.3490442	Kurtosis	0.04275973		
<b>Uncorrected SS</b>	895317	Corrected SS	3153.09677		
Coeff Variation	6.04319413	Std Error Mean	1.84131112		

	Basic Statistical Measures				
Location Variability					
Mean	169.6452	Std Deviation	10.25199		
Median	170.0000	Variance	105.10323		
Mode	162.0000	Range	40.00000		
		Interquartile Range	14.00000		

Note: The mode displayed is the smallest of 2 modes with a count of 4.

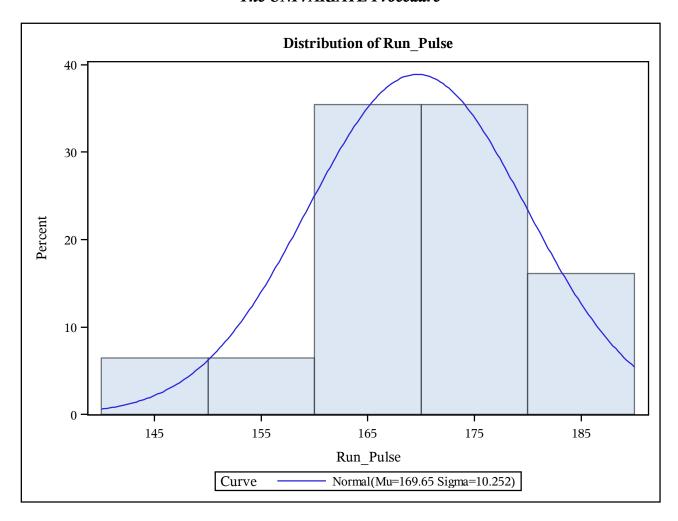
Tests for Location: Mu0=0					
Test	Statistic p Value				
Student's t	t 92.13281		Pr >  t	<.0001	
Sign	M	15.5	Pr >=  M	<.0001	
Signed Rank	S	248	Pr >=  S	<.0001	

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	186	
99%	186	
95%	186	
90%	185	
75% Q3	176	
50% Median	170	
25% Q1	162	
10%	156	
5%	148	

The UNIVARIATE Procedure Variable: Run\_Pulse

Quantiles (Definition 5)		
Quantile	Estimate	
1%	146	
0% Min	146	

Extreme Observations					
Lowest Highest					
Value	Obs	Obs Value Ol			
146	4	180	5		
148	9	185	11		
156	23	186	7		
156	3	186	16		
162	19	186	31		

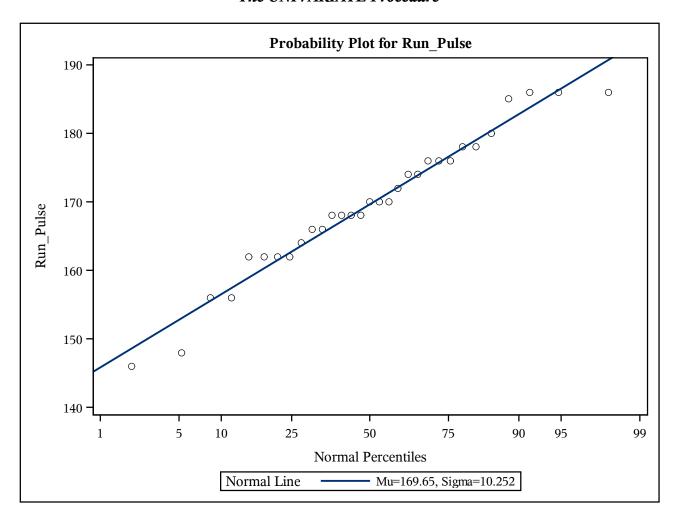


### The UNIVARIATE Procedure Fitted Normal Distribution for Run\_Pulse

Parameters for Normal Distribution			
Parameter   Symbol   Estimate			
Mean	Mu	169.6452	
Std Dev	Sigma	10.25199	

Goodness-of-Fit Tests for Normal Distribution					
Test	Statistic p Value				
Kolmogorov-Smirnov	D	0.09888456	Pr > D	>0.150	
Cramer-von Mises	W-Sq	0.03626786	Pr > W-Sq	>0.250	
Anderson-Darling	A-Sq	0.29866986	Pr > A-Sq	>0.250	

Quantiles for Normal Distribution				
	Quantile			
Percent	Observed	Estimated		
1.0	146.000	145.795		
5.0	148.000	152.782		
10.0	156.000	156.507		
25.0	162.000	162.730		
50.0	170.000	169.645		
75.0	176.000	176.560		
90.0	185.000	182.784		
95.0	186.000 186.508			
99.0	186.000	193.495		



## The UNIVARIATE Procedure Variable: Rest\_Pulse

Moments					
N	31	31			
Mean	53.4516129	<b>Sum Observations</b>	1657		
<b>Std Deviation</b>	<b>td Deviation</b> 7.61944315		58.055914		
Skewness	0.37532513	Kurtosis	-0.7399667		
Uncorrected SS 90311 C		Corrected SS	1741.67742		
Coeff Variation	14.2548424	Std Error Mean	1.36849239		

	Basic Statistical Measures				
Loca	Location Variability				
Mean	53.45161	Std Deviation	7.61944		
Median	52.00000	Variance	58.05591		
Mode	48.00000	Range	30.00000		
		Interquartile Range	11.00000		

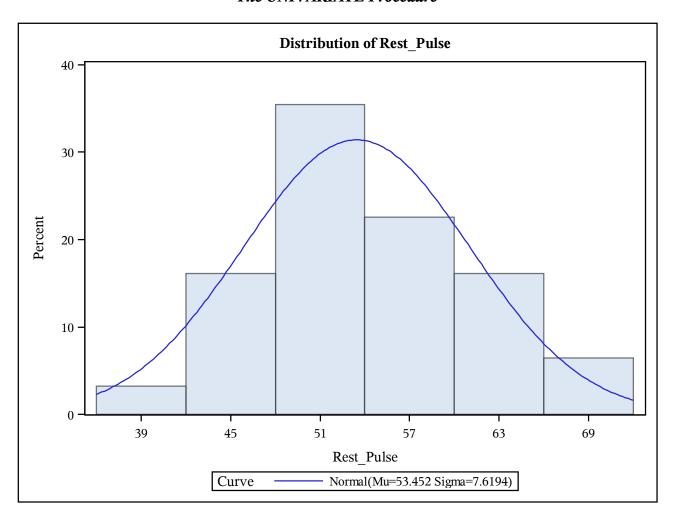
Tests for Location: Mu0=0						
Test	Statistic p Value					
Student's t	t 39.05876		Pr >  t	<.0001		
Sign	M	15.5	Pr >=  M	<.0001		
Signed Rank	S	248	Pr >=  S	<.0001		

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	70	
99%	70	
95%	67	
90%	63	
75% Q3	59	
<b>50% Median</b> 52		
<b>25% Q1</b> 48		
10%	45	
5%	44	

The UNIVARIATE Procedure Variable: Rest\_Pulse

Quantiles (Definition 5)		
Quantile Estimate		
1% 4		
0% Min	40	

Extreme Observations			
Low	est	High	est
Value	Obs	Value	Obs
40	1	62	24
44	29	63	30
44	5	64	19
45	13	67	12
45	3	70	27

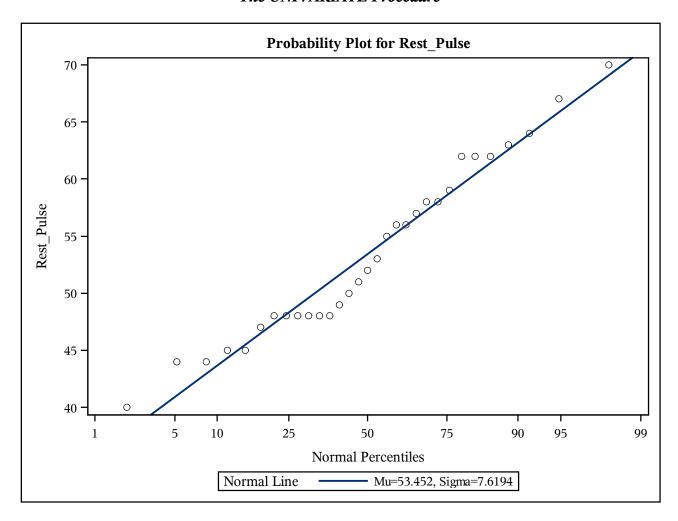


### The UNIVARIATE Procedure Fitted Normal Distribution for Rest\_Pulse

Parameters for Normal Distribution				
Parameter Symbol Estimate				
<b>Mean</b> Mu 53.45161				
Std Dev Sigma 7.619443				

Goodness-of-Fit Tests for Normal Distribution					
Test Statistic p Value					
Kolmogorov-Smirnov	D	0.14994270	Pr > D	0.076	
Cramer-von Mises	W-Sq 0.10022641 $Pr > W-Sq$				
Anderson-Darling A-Sq 0.56607714 Pr > A-Sq					

Quantiles for Normal Distribution				
	Qua	ntile		
Percent	Observed	Estimated		
1.0	40.0000	35.7261		
5.0	44.0000	40.9187		
10.0	45.0000 43.6869			
25.0	48.0000 48.3124			
50.0	52.0000	53.4516		
75.0	59.0000 58.5908			
90.0	63.0000	63.2163		
95.0	67.0000	65.9845		
99.0	70.0000	71.1771		



### The UNIVARIATE Procedure Variable: Maximum\_Pulse

Moments				
N	31	Sum Weights	31	
Mean	173.774194	<b>Sum Observations</b>	5387	
<b>Std Deviation</b>	9.16409544	Variance	83.9806452	
Skewness	0.01898547	Kurtosis	-0.2344884	
<b>Uncorrected SS</b>	938641	Corrected SS	2519.41935	
Coeff Variation	5.27356522	Std Error Mean	1.64592013	

	Basic Statistical Measures			
Loca	Location Variability			
Mean	173.7742	Std Deviation 9.1641		
Median	172.0000	Variance 83.98065		
<b>Mode</b> 172.0000 <b>Range</b> 37.0000		37.00000		
		Interquartile Range	12.00000	

Note: The mode displayed is the smallest of 2 modes with a count of 5.

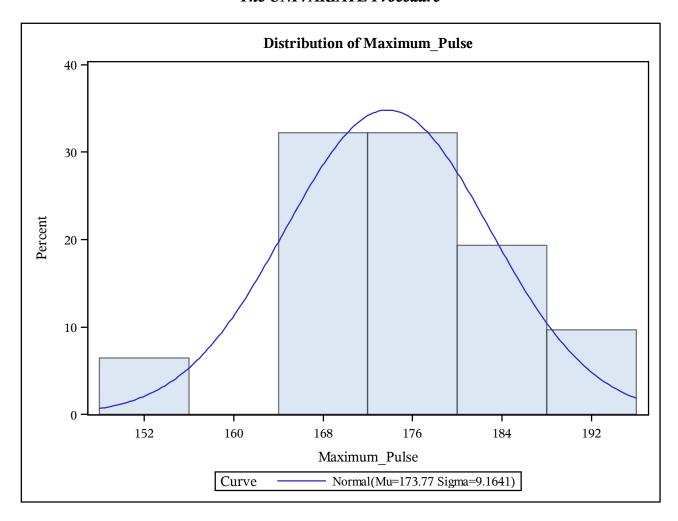
Tests for Location: Mu0=0						
Test	Statistic p Value					
Student's t	t	105.5788	Pr >  t	<.0001		
Sign	<b>M</b> 15.5		Pr >=  M	<.0001		
Signed Rank	S	248	Pr >=  S	<.0001		

<b>Quantiles (Definition 5)</b>		
Quantile	Estimate	
100% Max	192	
99%	192	
95%	188	
90%	186	
75% Q3	180	
50% Median	172	
25% Q1	168	
10%	164	
5%	155	

The UNIVARIATE Procedure Variable: Maximum\_Pulse

Quantiles (Definition 5)		
Quantile Estimate		
1% 155		
<b>0% Min</b> 155		

Extreme Observations			
Lowest Highe			est
Value	Value Obs		Obs
155	9	185	11
155	4	186	2
164	18	188	7
164	14	188	16
165	23	192	31

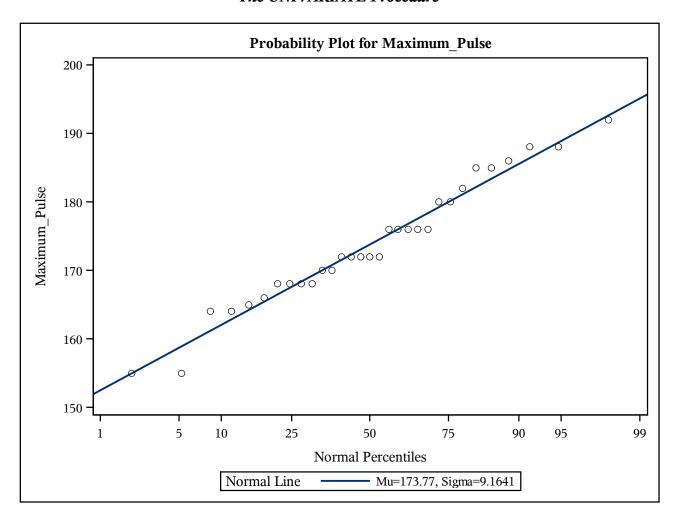


### The UNIVARIATE Procedure Fitted Normal Distribution for Maximum\_Pulse

Parameters for Normal Distribution				
Parameter   Symbol   Estimate				
Mean	Mu 173.774			
Std Dev	Std Dev Sigma 9.164095			

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic p Value			
Kolmogorov-Smirnov	D	0.12514360	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.05993706	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.37043711	Pr > A-Sq	>0.250

Quantiles for Normal Distribution			
	Quantile		
Percent	Observed	Estimated	
1.0	155.000	152.455	
5.0	155.000	158.701	
10.0	164.000	162.030	
25.0	168.000	167.593	
50.0	172.000	173.774	
75.0	180.000	179.955	
90.0	186.000	185.518	
95.0	188.000	188.848	
99.0	192.000	195.093	



### The UNIVARIATE Procedure Variable: Performance

Moments				
N	31	Sum Weights	31	
Mean	8	<b>Sum Observations</b>	248	
<b>Std Deviation</b>	3.11982906	Variance	9.73333333	
Skewness	-0.3590637	Kurtosis	0.56066952	
<b>Uncorrected SS</b>	2276	Corrected SS	292	
Coeff Variation	38.9978632	Std Error Mean	0.56033784	

	Basic Statistical Measures			
Location Variability				
Mean	8.000000	Std Deviation	3.11983	
Median	8.000000	Variance	9.73333	
Mode	9.000000	Range	14.00000	
		Interquartile Range	4.00000	

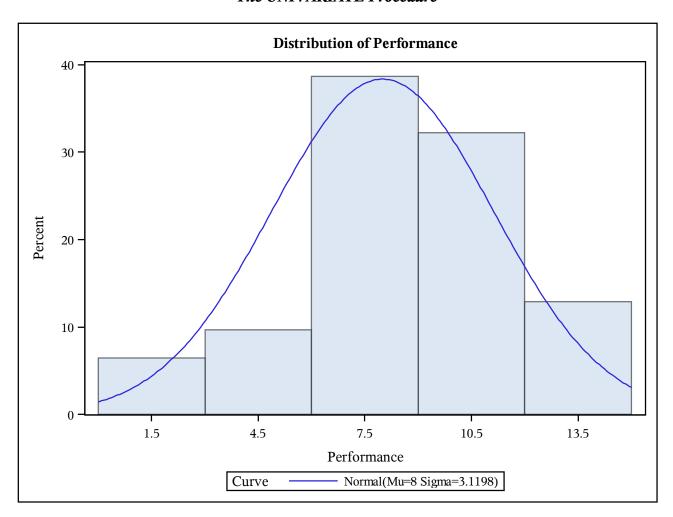
Tests for Location: Mu0=0				
Test	Statistic p Value			
Student's t	t	14.2771	Pr >  t	<.0001
Sign	M	15	Pr >=  M	<.0001
Signed Rank	S	232.5	Pr >=  S	<.0001

Quantiles (Definition 5)		
Quantile	Estimate	
100% Max	14	
99%	14	
95%	13	
90%	12	
75% Q3	10	
50% Median	8	
25% Q1	6	
10%	4	
5%	2	

The UNIVARIATE Procedure Variable: Performance

Quantiles (Definition 5)		
Quantile Estimate		
1%	0	
0% Min	0	

<b>Extreme Observations</b>			
Low	Lowest		est
Value	Obs	Value	Obs
0	31	11	5
2	30	12	6
4	29	13	2
4	28	13	3
5	27	14	1



### The UNIVARIATE Procedure Fitted Normal Distribution for Performance

Parameters for Normal Distribution				
Parameter Symbol Estimate				
Mean	Mean Mu 8			
Std Dev	Sigma	3.119829		

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic p Value			
Kolmogorov-Smirnov	D	0.11621864	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.06227045	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.35370447	Pr > A-Sq	>0.250

Quantiles for Normal Distribution			
	Qua	ntile	
Percent	Observed	Estimated	
1.0	0.0000	0.74219	
5.0	2.0000	2.86834	
10.0	4.0000	4.00178	
25.0	6.0000	5.89571	
50.0	8.0000	8.00000	
75.0	10.0000	10.10429	
90.0	12.0000	11.99822	
95.0	13.0000	13.13166	
99.0	14.0000	15.25781	

