

# The SAS System

## The UNIVARIATE Procedure Variable: Weight

Moments			
N	19	Sum Weights	19
Mean	100.026316	Sum Observations	1900.5
Std Deviation	22.7739335	Variance	518.652047
Skewness	0.18335097	Kurtosis	0.68336484
Uncorrected SS	199435.75	Corrected SS	9335.73684
Coeff Variation	22.7679419	Std Error Mean	5.22469867

Basic Statistical Measures			
Location		Variability	
Mean	100.0263	Std Deviation	22.77393
Median	99.5000	Variance	518.65205
Mode	84.0000	Range	99.50000
		Interquartile Range	28.50000

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	19.1449	Pr >  t	<.0001
Sign	M	9.5	Pr >=  M	<.0001
Signed Rank	S	95	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	150.0
99%	150.0
95%	150.0
90%	133.0
75% Q3	112.5
50% Median	99.5
25% Q1	84.0
10%	77.0
5%	50.5
1%	50.5
0% Min	50.5

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Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
50.5	11	112.5	1
77.0	13	112.5	8
83.0	6	128.0	16
84.0	9	133.0	17
84.0	2	150.0	15

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Obs	VarName	LocMeasure	LocValue	VarMeasure	VarValue
1	Weight	Mean	100.0263	Std Deviation	22.77393
2	Weight	Median	99.5000	Variance	518.65205
3	Weight	Mode	84.0000	Range	99.50000
4	Weight		_	Interquartile Range	28.50000