

Descriptive statistics for Test 2 from PROC UNIVARIATE OF SAS  
 Grades out of 40.

<b>Moments</b>			
<b>N</b>	218	<b>Sum Weights</b>	218
<b>Mean</b>	23.603211	<b>Sum Observations</b>	5145.5
<b>Std Deviation</b>	8.56163012	<b>Variance</b>	73.3015104
<b>Skewness</b>	-0.3073228	<b>Kurtosis</b>	-0.8356264
<b>Uncorrected SS</b>	137356.75	<b>Corrected SS</b>	15906.4278
<b>Coeff Variation</b>	36.2731584	<b>Std Error Mean</b>	0.57986676

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	23.60321	<b>Std Deviation</b>	8.56163
<b>Median</b>	25.00000	<b>Variance</b>	73.30151
<b>Mode</b>	27.00000	<b>Range</b>	37.00000
		<b>Interquartile Range</b>	14.50000

Note: The mode displayed is the smallest of 3 modes with a count of 8.

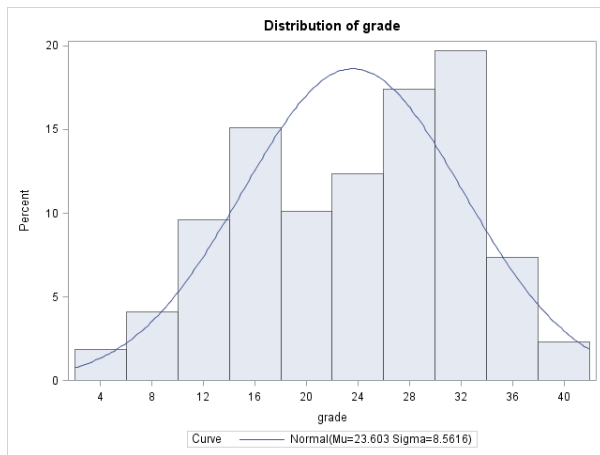
<b>Tests for Location: Mu0=0</b>				
<b>Test</b>	<b>Statistic</b>	<b>p Value</b>		
<b>Student's t</b>	t 40.70454	<b>Pr &gt;  t </b>	<.0001	
<b>Sign</b>	M 109	<b>Pr &gt;=  M </b>	<.0001	
<b>Signed Rank</b>	S 11935.5	<b>Pr &gt;=  S </b>	<.0001	

<b>Quantiles (Definition 5)</b>	
<b>Quantile</b>	<b>Estimate</b>
<b>100% Max</b>	40.0
<b>99%</b>	39.0
<b>95%</b>	36.0
<b>90%</b>	33.5
<b>75% Q3</b>	31.0
<b>50% Median</b>	25.0
<b>25% Q1</b>	16.5
<b>10%</b>	11.5
<b>5%</b>	9.0
<b>1%</b>	5.5
<b>0% Min</b>	3.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
3.0	1	38.0	214
3.5	2	38.5	215
5.5	4	39.0	216
5.5	3	40.0	217
6.5	6	40.0	218

The SAS System

The UNIVARIATE Procedure



Or as percent grades showing bimodal distribution of grades.

Any thoughts on why that might be so?

