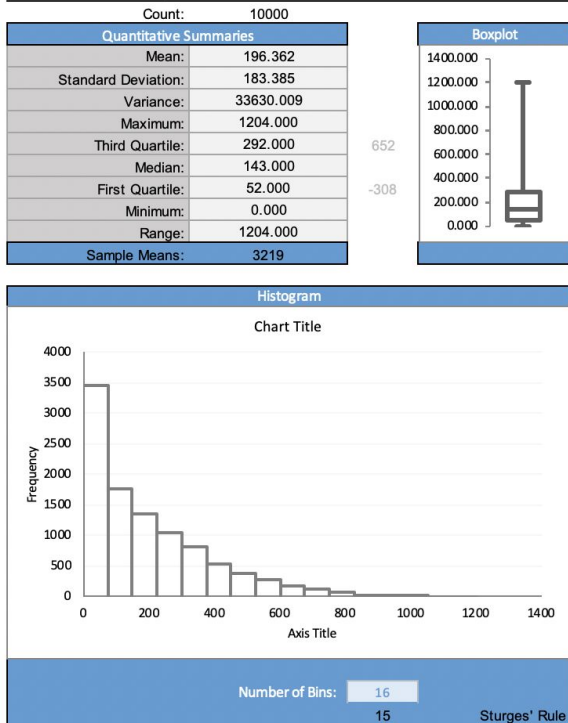Jaxen Dietrich
Jeremy Chandler
Kenneth James
Lance Child

Lesson 4: NBA Stats
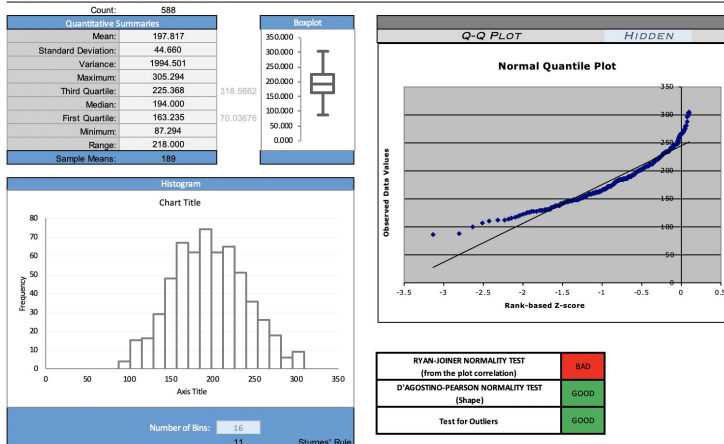
The data for 2 point shots is right skewed.

After increasing the Sample Size for Sample Means to 17 the distribution is quite normal. The sample's histogram is unimodal.
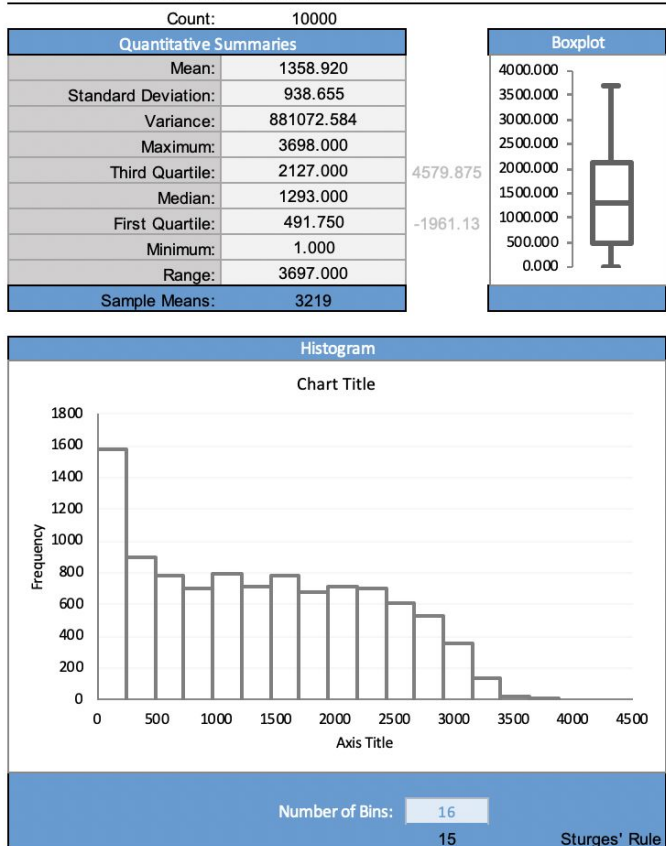
Jaxen Dietrich
Jeremy Chandler
Kenneth James
Lance Child

2 Point Shots					
Left %	sigma	n	mu	z score	x
0.8	44.66	17	197.817	0.84162123	206.933139

Minutes Played Stats

DESCRIBING QUANTITATIVE DATA

Count: 10000

Quantitative Summaries	
Mean:	1358.920
Standard Deviation:	938.655
Variance:	881072.584
Maximum:	3698.000
Third Quartile:	2127.000
Median:	1293.000
First Quartile:	491.750
Minimum:	1.000
Range:	3697.000
Sample Means:	3219

Boxplot

4579.875
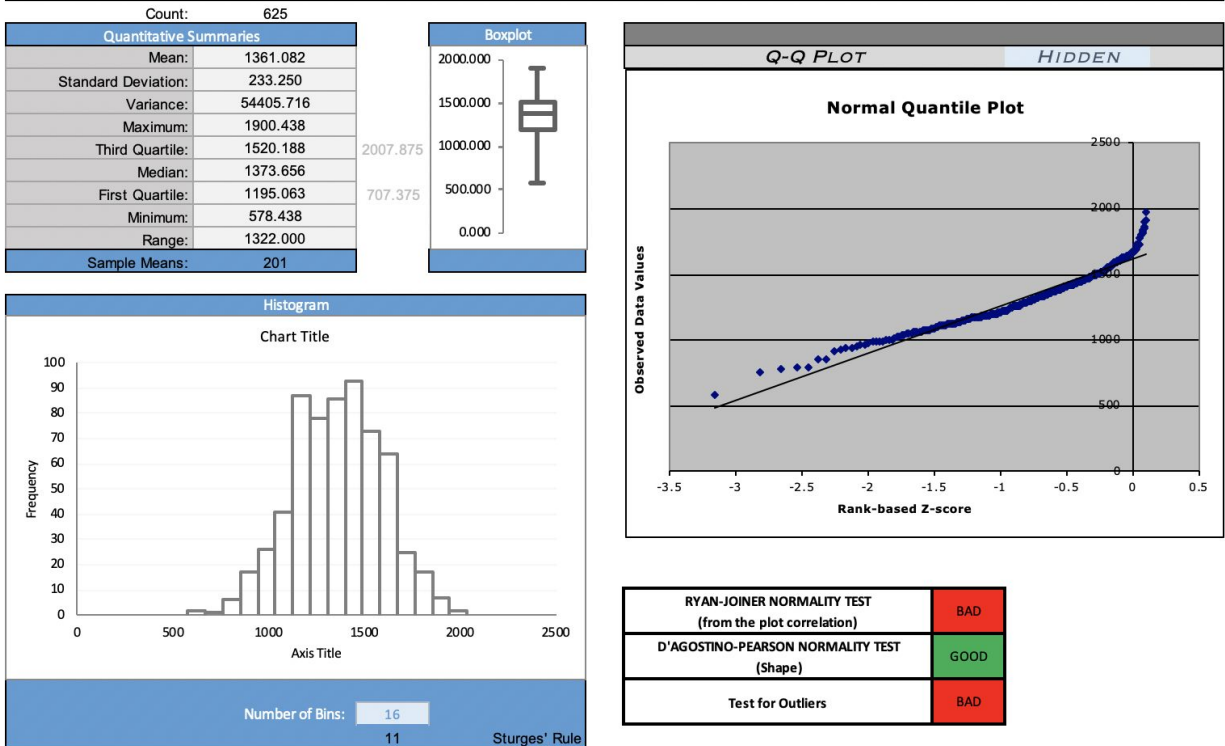
-1961.13

Histogram

Chart Title

Number of Bins: 16

15   Sturges' Rule

The data of the sample for the minutes played shows to be right skewed.

Jaxen Dietrich
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Kenneth James
Lance Child

DESCRIBING QUANTITATIVE DATA

Count: 625

Quantitative Summaries	
Mean:	1361.082
Standard Deviation:	233.250
Variance:	54405.716
Maximum:	1900.438
Third Quartile:	1520.188
Median:	1373.656
First Quartile:	1195.063
Minimum:	578.438
Range:	1322.000
Sample Means:	201

Boxplot

2007.875

707.375

Q-Q PLOT   *HIDDEN*

Normal Quantile Plot

Histogram

Chart Title

Number of Bins: 16

11   Sturges' Rule

RYAN-JOINER NORMALITY TEST (from the plot correlation)	BAD
D'AGOSTINO-PEARSON NORMALITY TEST (Shape)	GOOD
Test for Outliers	BAD

We used a sample size of 16 to get the normalized bell curve above.

Minutes Played					
Left %	Sigma	N	Mu	Z Score	X
0.8	233.25	16	1361.082	0.84162123	1410.15903

The histogram is relatively unimodal and the stats seem to be normally distributed.