

Necessary tables:

Parameter Estimates										
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Squared Semi-partial Corr Type I	Squared Semi-partial Corr Type II	Variance Inflation	99% Confidence Limits	
Intercept	1	64.53528	19.49410	3.31	0.0029	.	.	0	10.01145	119.05910
Runs	1	0.05574	0.01569	3.55	0.0016	0.48297	0.04421	2.10780	0.01186	0.09962
Hits	1	-0.02739	0.01094	-2.50	0.0195	0.24670	0.02193	1.61672	-0.05800	0.00322
Walks	1	-0.03468	0.01022	-3.39	0.0024	0.08779	0.04036	1.25219	-0.06325	-0.00611
Errors	1	0.03818	0.06970	0.55	0.5890	0.01395	0.00105	1.41326	-0.15678	0.23313
Saves	1	0.86235	0.17549	4.91	<.0001	0.08455	0.08455	3.43636	0.37150	1.35319

Table 1: full model ran using SAS EG [Dependent: Wins, Explanatory: everything else]

Table 2: Histogram of Residuals

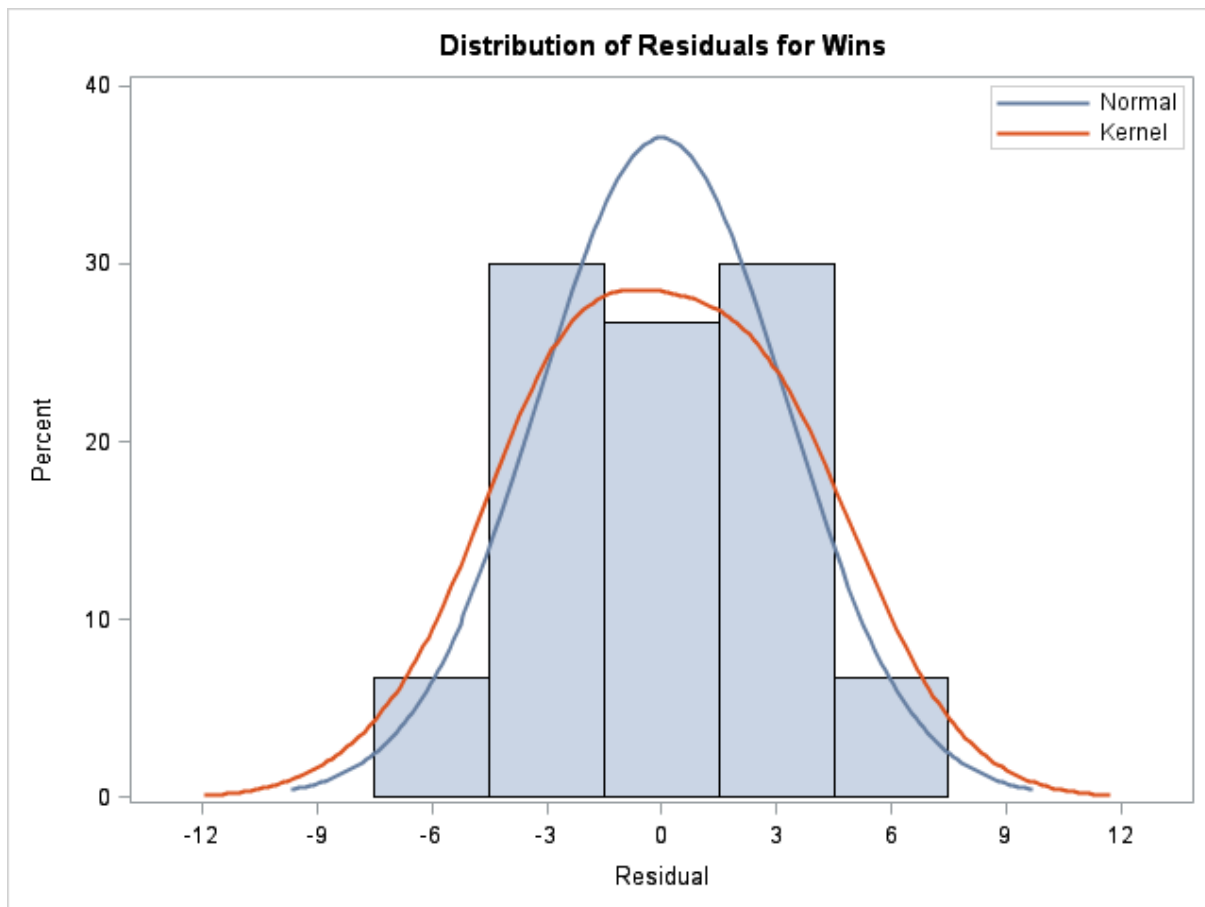
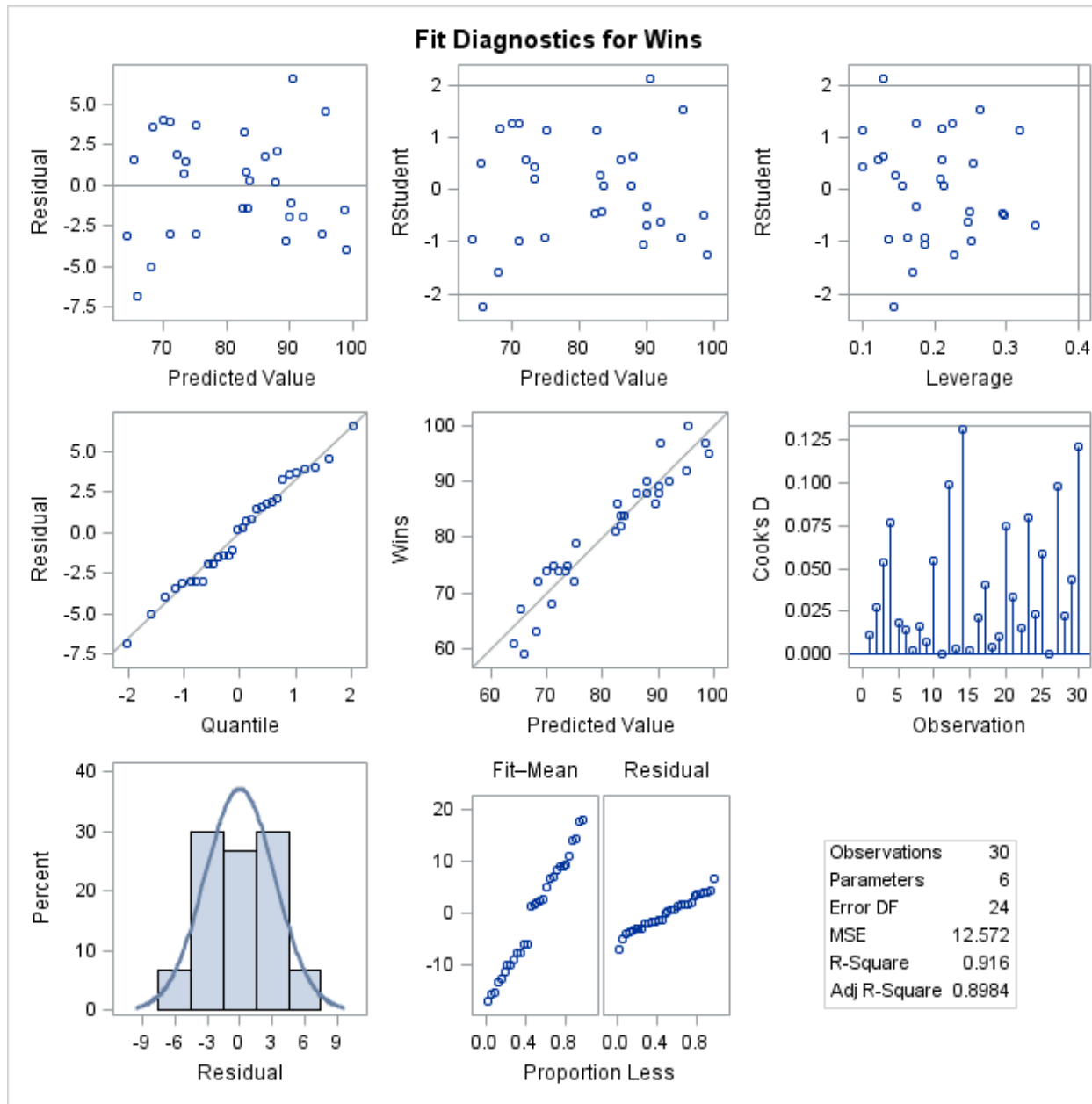


Table 3: Fit diagnostics for Residuals and others



Number of Observations Read	30
Number of Observations Used	30

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	3288.28204	657.65641	52.31	<.0001
Error	24	301.71796	12.57158		
Corrected Total	29	3590.00000			

Root MSE	3.54564	R-Square	0.9160
Dependent Mean	81.00000	Adj R-Sq	0.8984
Coeff Var	4.37734		

Table 4: Rest of the stuff from regression analysis

The UNIVARIATE Procedure
Variable: Runs

Moments			
N	30	Sum Weights	30
Mean	745.8	Sum Observations	22374
Std Deviation	60.9315048	Variance	3712.64828
Skewness	-0.2644524	Kurtosis	-0.6425743
Uncorrected SS	16794196	Corrected SS	107666.8
Coeff Variation	8.16995237	Std Error Mean	11.1245199

Basic Statistical Measures			
Location		Variability	
Mean	745.8000	Std Deviation	60.93150
Median	752.5000	Variance	3713
Mode	799.0000	Range	218.00000
		Interquartile Range	85.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	67.0411	Pr > t 	<.0001
Sign	M	15	Pr >= M 	<.0001
Signed Rank	S	232.5	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	855.0
99%	855.0
95%	845.0
90%	819.5
75% Q3	789.0
50% Median	752.5

Quantiles (Definition 5)	
Level	Quantile
25% Q1	704.0
10%	643.5
5%	640.0
1%	637.0
0% Min	637.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
637	23	805	8
640	25	810	6
641	30	829	17
646	20	845	4
671	24	855	5

The UNIVARIATE Procedure
Variable: Hits

Moments			
N	30	Sum Weights	30
Mean	1461.43333	Sum Observations	43843
Std Deviation	76.498674	Variance	5852.04713
Skewness	0.04623872	Kurtosis	-0.6143474
Uncorrected SS	64243331	Corrected SS	169709.367
Coeff Variation	5.23449632	Std Error Mean	13.9666831

Basic Statistical Measures			
Location		Variability	
Mean	1461.433	Std Deviation	76.49867
Median	1460.500	Variance	5852
Mode	1415.000	Range	302.00000
		Interquartile Range	115.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	104.6371	Pr > t	<.0001
Sign	M	15	Pr >= M	<.0001
Signed Rank	S	232.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1631.0
99%	1631.0

Quantiles (Definition 5)	
Level	Quantile
95%	1563.0
90%	1545.5
75% Q3	1530.0
50% Median	1460.5
25% Q1	1415.0
10%	1356.5
5%	1330.0
1%	1329.0
0% Min	1329.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1329	5	1542	7
1330	29	1544	24
1349	27	1547	9
1364	20	1563	17
1369	4	1631	22

The UNIVARIATE Procedure
Variable: Walks

Moments			
N	30	Sum Weights	30
Mean	544.366667	Sum Observations	16331
Std Deviation	72.1227322	Variance	5201.68851
Skewness	0.08112201	Kurtosis	-0.7048531
Uncorrected SS	9040901	Corrected SS	150848.967
Coeff Variation	13.2489252	Std Error Mean	13.1677491

Basic Statistical Measures			
Location		Variability	
Mean	544.3667	Std Deviation	72.12273
Median	548.0000	Variance	5202
Mode	457.0000	Range	284.00000
		Interquartile Range	99.00000

Note: The mode displayed is the smallest of 3 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	41.34091	Pr > t	<.0001
Sign	M	15	Pr >= M	<.0001
Signed Rank	S	232.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	687
99%	687
95%	657
90%	648
75% Q3	588
50% Median	548
25% Q1	489
10%	454
5%	444
1%	403
0% Min	403

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
403	17	626	24
444	8	644	10
451	1	652	25
457	14	657	22
457	6	687	3

The UNIVARIATE Procedure
Variable: Errors

Moments			
N	30	Sum Weights	30
Mean	96.9666667	Sum Observations	2909
Std Deviation	11.229528	Variance	126.102299
Skewness	-0.3463058	Kurtosis	0.37027681
Uncorrected SS	285733	Corrected SS	3656.96667
Coeff Variation	11.5808126	Std Error Mean	2.05022193

Basic Statistical Measures			
Location		Variability	
Mean	96.96667	Std Deviation	11.22953
Median	97.00000	Variance	126.10230
Mode	96.00000	Range	50.00000

Basic Statistical Measures			
Location		Variability	
		Interquartile Range	17.00000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	47.29569	Pr > t	<.0001
Sign	M	15	Pr >= M	<.0001
Signed Rank	S	232.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	117.0
99%	117.0
95%	114.0
90%	113.0
75% Q3	107.0
50% Median	97.0
25% Q1	90.0
10%	83.5
5%	83.0
1%	67.0
0% Min	67.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
67	12	108	17
83	19	113	1
83	18	113	10
84	29	114	7
85	26	117	11

The UNIVARIATE Procedure
Variable: Saves

Moments			
N	30	Sum Weights	30
Mean	34.9	Sum Observations	1047
Std Deviation	6.95478005	Variance	48.3689655
Skewness	0.44654508	Kurtosis	-1.1699342
Uncorrected SS	37943	Corrected SS	1402.7
Coeff Variation	19.9277365	Std Error Mean	1.2697633

Basic Statistical Measures			
Location		Variability	
Mean	34.90000	Std Deviation	6.95478
Median	33.00000	Variance	48.36897
Mode	28.00000	Range	21.00000
		Interquartile Range	12.00000

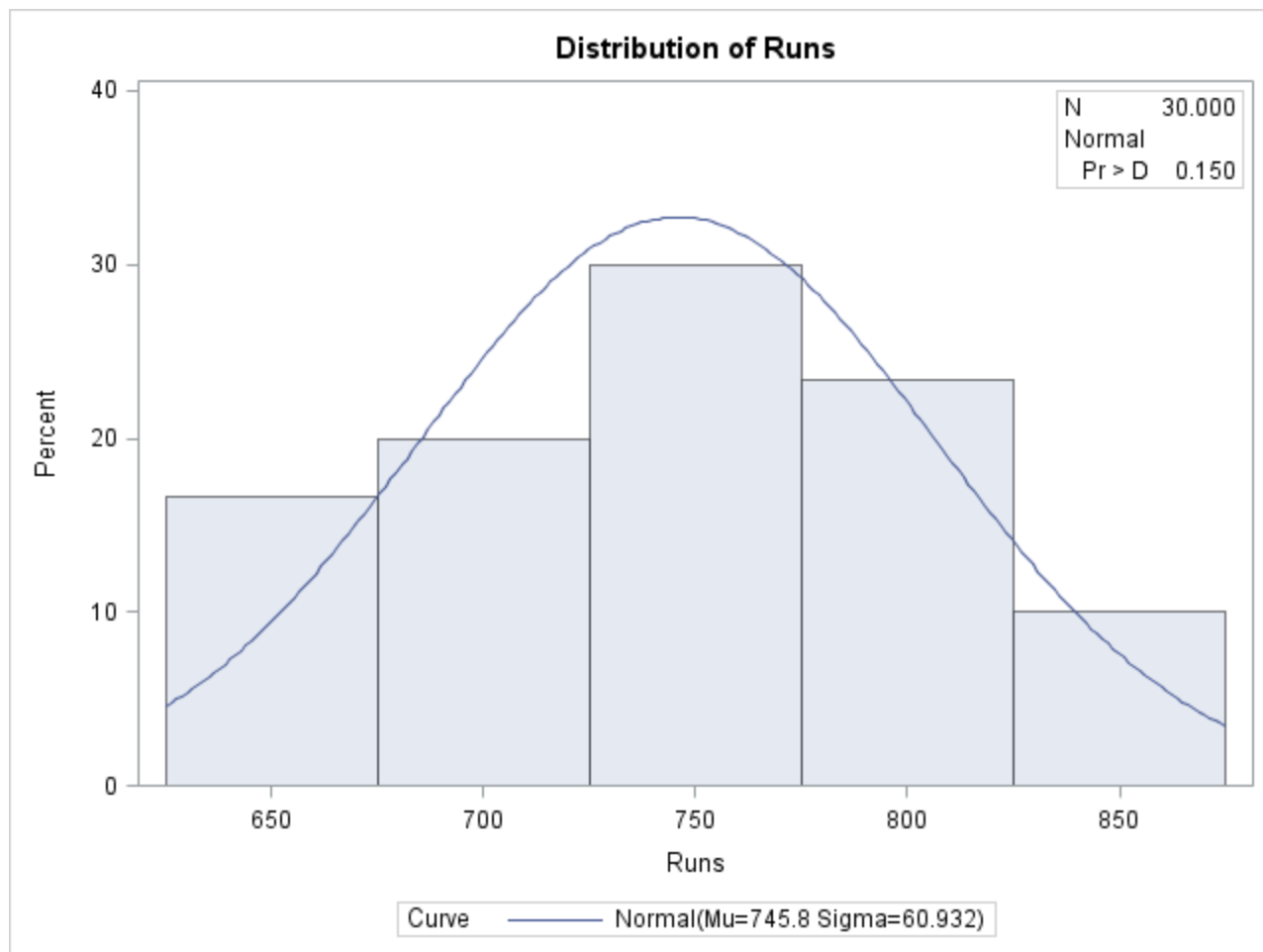
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	27.48544	Pr > t	<.0001
Sign	M	15	Pr >= M	<.0001
Signed Rank	S	232.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	47
99%	47
95%	47
90%	46
75% Q3	40
50% Median	33
25% Q1	28
10%	27
5%	27
1%	26
0% Min	26

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
26	24	44	5
27	30	45	16
27	22	47	4
27	10	47	14
28	23	47	21

"How Normal is the Runs Histogram?"

The UNIVARIATE Procedure



“How Normal is the Runs Histogram?”

The UNIVARIATE Procedure
Fitted Normal Distribution for Runs

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	745.8
Std Dev	Sigma	60.9315

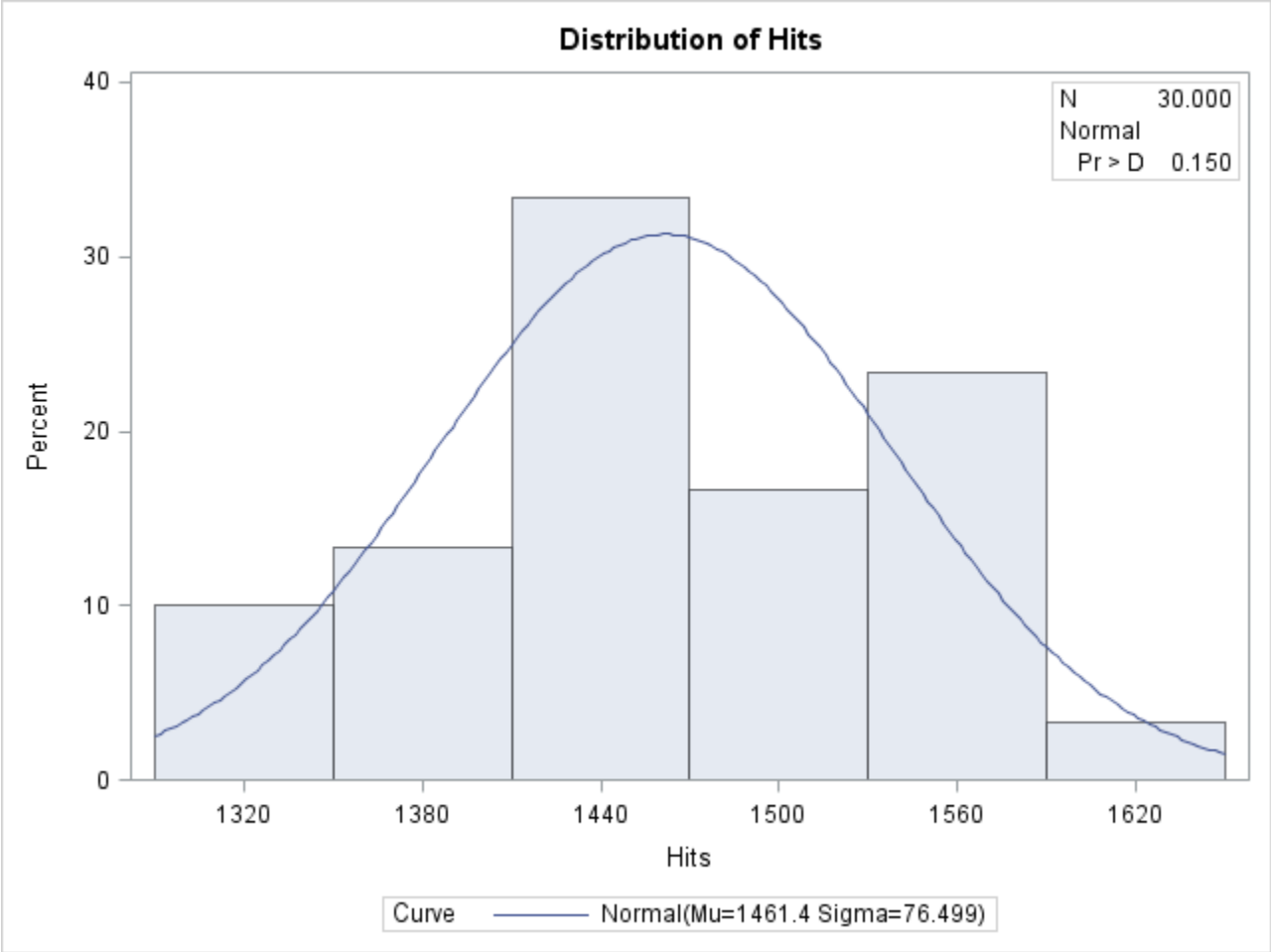
Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.10785636	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.04070354	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.30332249	Pr > A-Sq	>0.250

Histogram Bin Percents for Normal Distribution		
Bin Midpoint	Percent	
	Observed	Estimated
650	16.667	9.892
700	20.000	24.379
750	30.000	31.770
800	23.333	21.906
850	10.000	7.985

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
20.0	695.500	694.519
40.0	741.000	730.363
60.0	767.500	761.237
80.0	799.000	797.081

“How Normal is the Hits Histogram?”

The UNIVARIATE Procedure



“How Normal is the Hits Histogram?”

The UNIVARIATE Procedure
Fitted Normal Distribution for Hits

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	1461.433
Std Dev	Sigma	76.49867

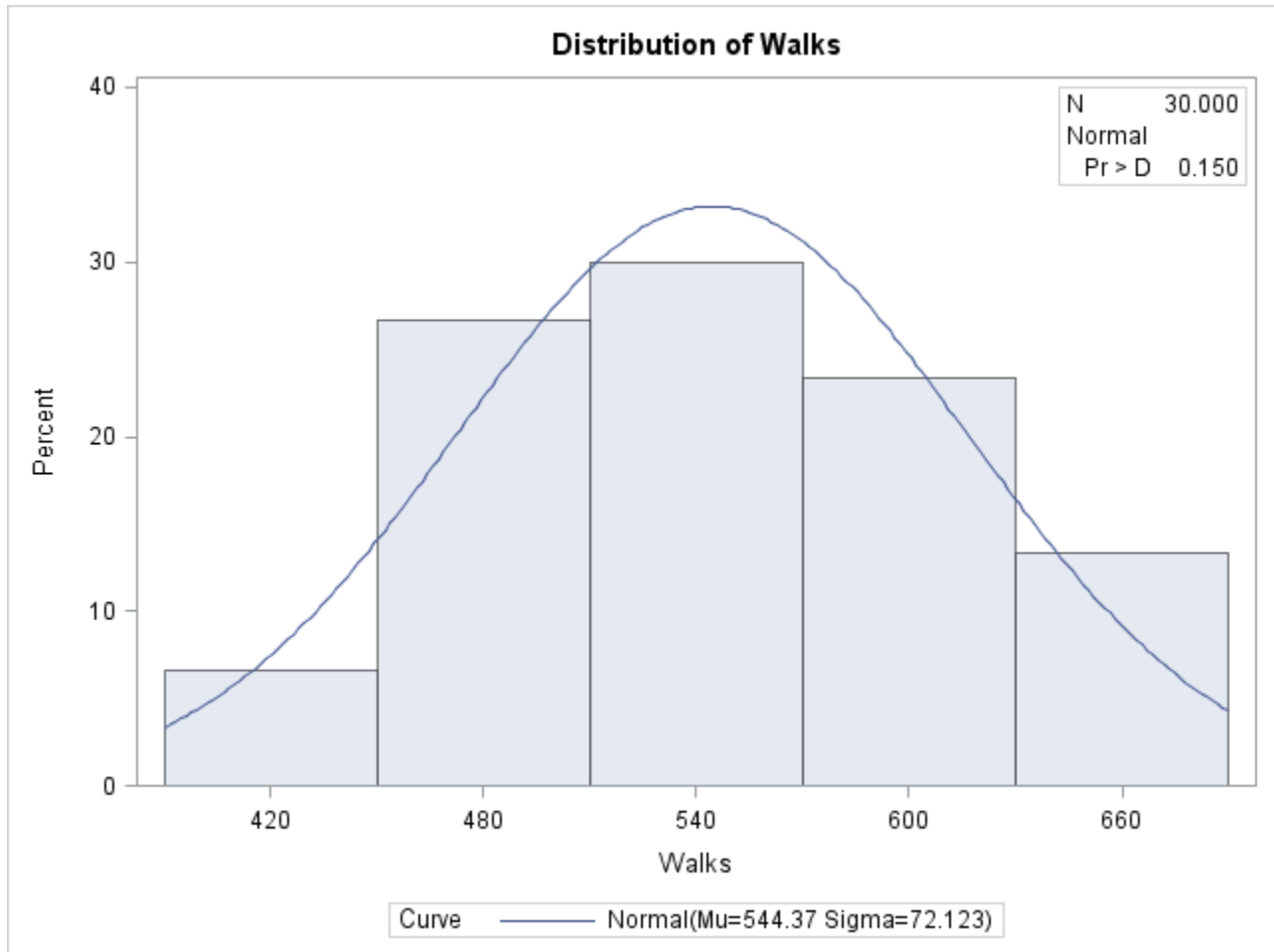
Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09952865	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.04086855	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.29862212	Pr > A-Sq	>0.250

Histogram Bin Percents for Normal Distribution		
Bin Midpoint	Percent	
	Observed	Estimated
1320	10.000	6.009
1380	13.333	17.808
1440	33.333	29.390
1500	16.667	27.037
1560	23.333	13.863
1620	3.333	3.957

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
20.0	1392.00	1397.05
40.0	1441.50	1442.05
60.0	1475.50	1480.81
80.0	1539.50	1525.82

“How Normal is the Walks Histogram?”

The UNIVARIATE Procedure



“How Normal is the Walks Histogram?”

The UNIVARIATE Procedure
Fitted Normal Distribution for Walks

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	544.3667
Std Dev	Sigma	72.12273

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.08210078	Pr > D	>0.150

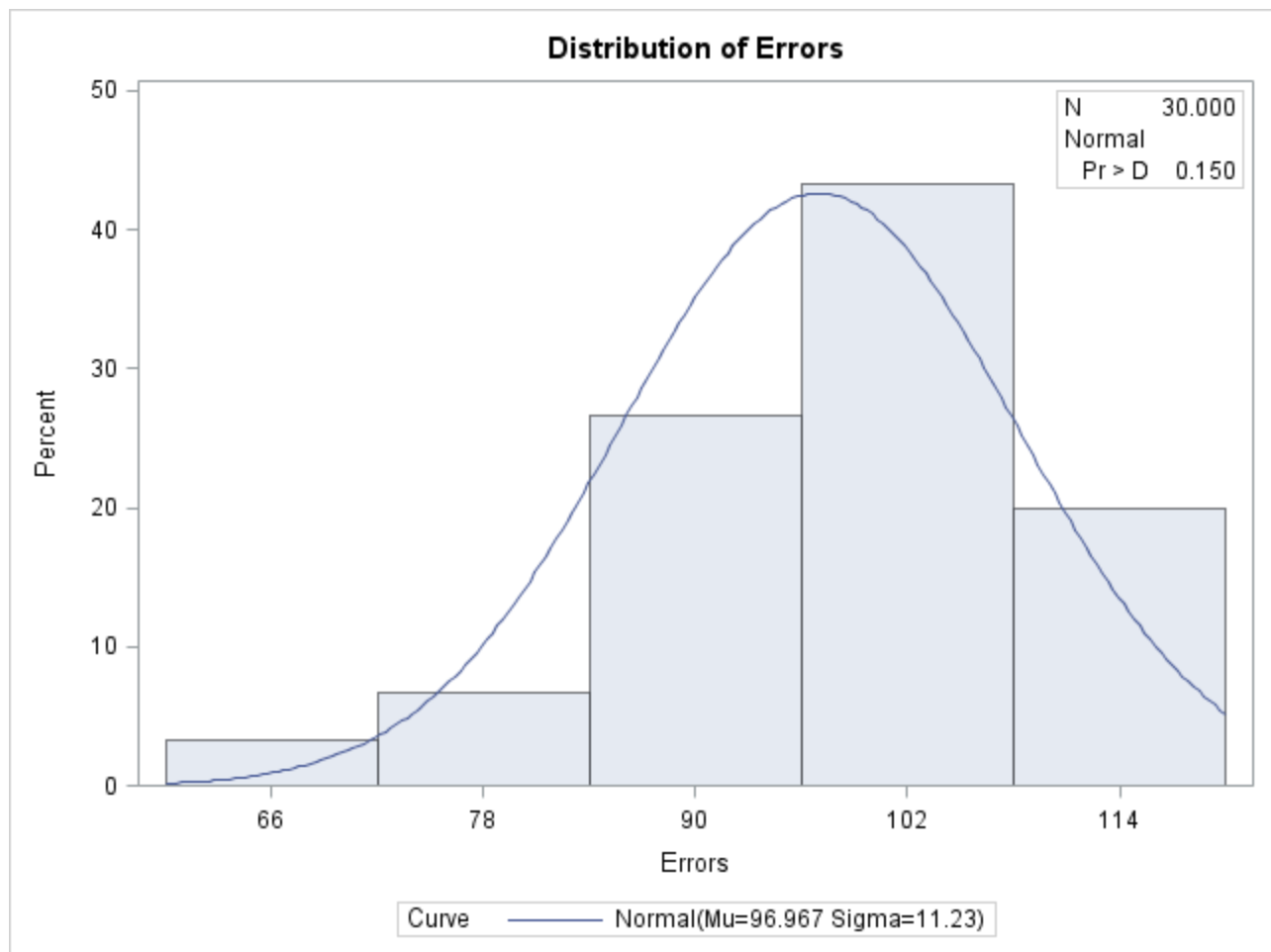
Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Cramer-von Mises	W-Sq	0.02729705	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.20276599	Pr > A-Sq	>0.250

Histogram Bin Percents for Normal Distribution		
Bin Midpoint	Percent	
	Observed	Estimated
420	6.667	7.920
480	26.667	22.149
540	30.000	32.200
600	23.333	24.359
660	13.333	9.582

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
20.0	473.500	483.667
40.0	527.000	526.095
60.0	561.500	562.639
80.0	607.500	605.067

“How Normal is the Errors Histogram?”

The UNIVARIATE Procedure



“How Normal is the Errors Histogram?”

The UNIVARIATE Procedure
Fitted Normal Distribution for Errors

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	96.96667
Std Dev	Sigma	11.22953

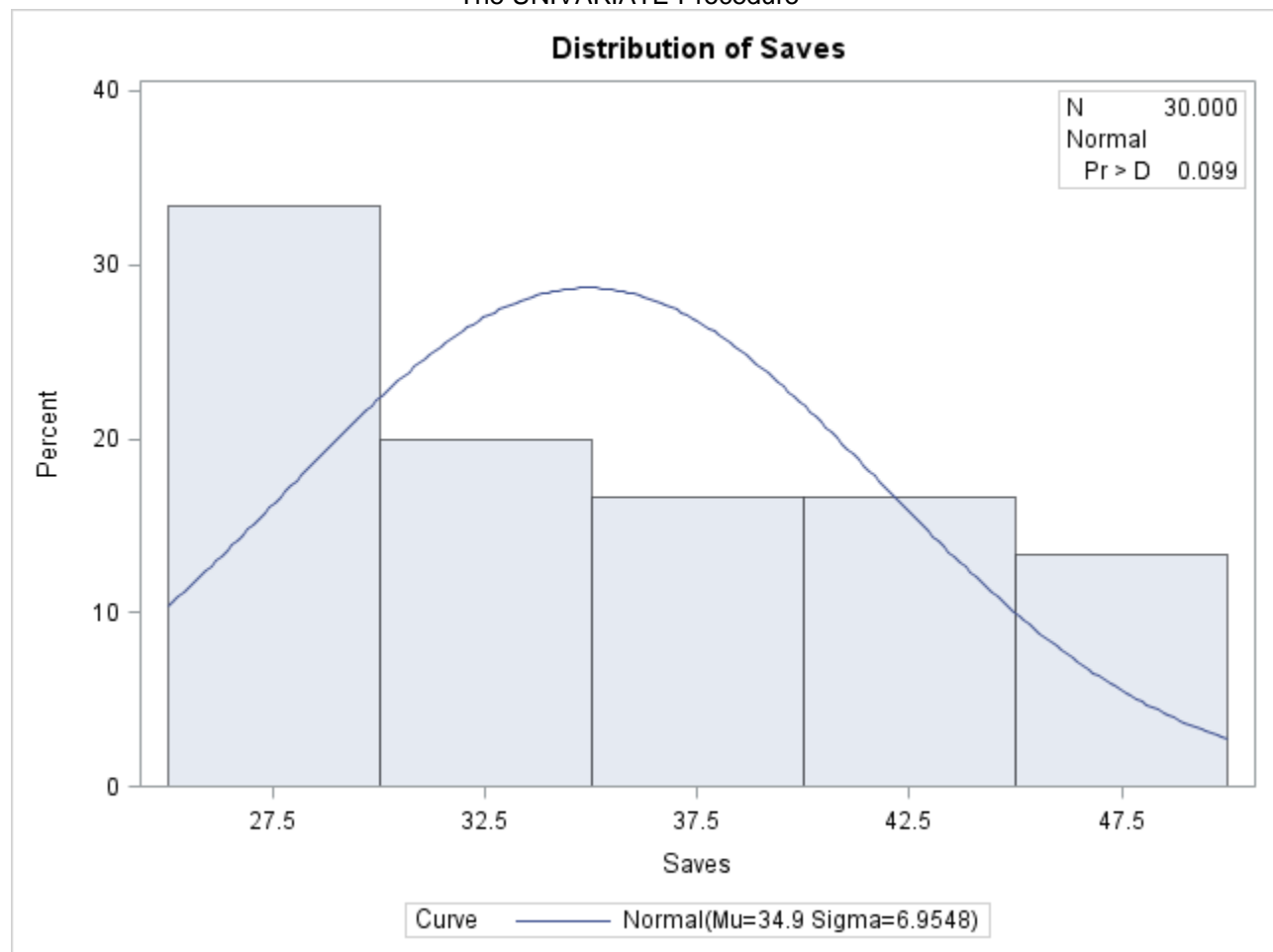
Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.09903372	Pr > D	>0.150
Cramer-von Mises	W-Sq	0.04223229	Pr > W-Sq	>0.250
Anderson-Darling	A-Sq	0.30091978	Pr > A-Sq	>0.250

Histogram Bin Percents for Normal Distribution		
Bin Midpoint	Percent	
	Observed	Estimated
66	3.333	1.260
78	6.667	11.101
90	26.667	34.159
102	43.333	37.138
114	20.000	14.279

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
20.0	87.0000	87.5157
40.0	96.0000	94.1217
60.0	99.0000	99.8116
80.0	107.5000	106.4177

"How Normal is the Saves Histogram?"

The UNIVARIATE Procedure



“How Normal is the Saves Histogram?”

The UNIVARIATE Procedure
Fitted Normal Distribution for Saves

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	34.9
Std Dev	Sigma	6.95478

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.14585459	Pr > D	0.099
Cramer-von Mises	W-Sq	0.13516641	Pr > W-Sq	0.037
Anderson-Darling	A-Sq	0.90576089	Pr > A-Sq	0.020

Histogram Bin Percents for Normal Distribution		
Bin Midpoint	Percent	
	Observed	Estimated
27.5	33.333	16.325
32.5	20.000	26.519
37.5	16.667	26.258
42.5	16.667	15.847
47.5	13.333	5.826

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
20.0	28.0000	29.0467
40.0	31.0000	33.1380
60.0	36.5000	36.6620
80.0	42.0000	40.7533