

**The GLM Procedure**

Class Level Information		
Class	Levels	Values
newnNbed	4	1 2 3 4

Number of Observations Read	522
Number of Observations Used	522

**The GLM Procedure****Dependent Variable: SaleP**

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1.7609129E12	586970959337	37.31	<.0001
Error	518	8.149999E12	15733588828		
Corrected Total	521	9.9109119E12			

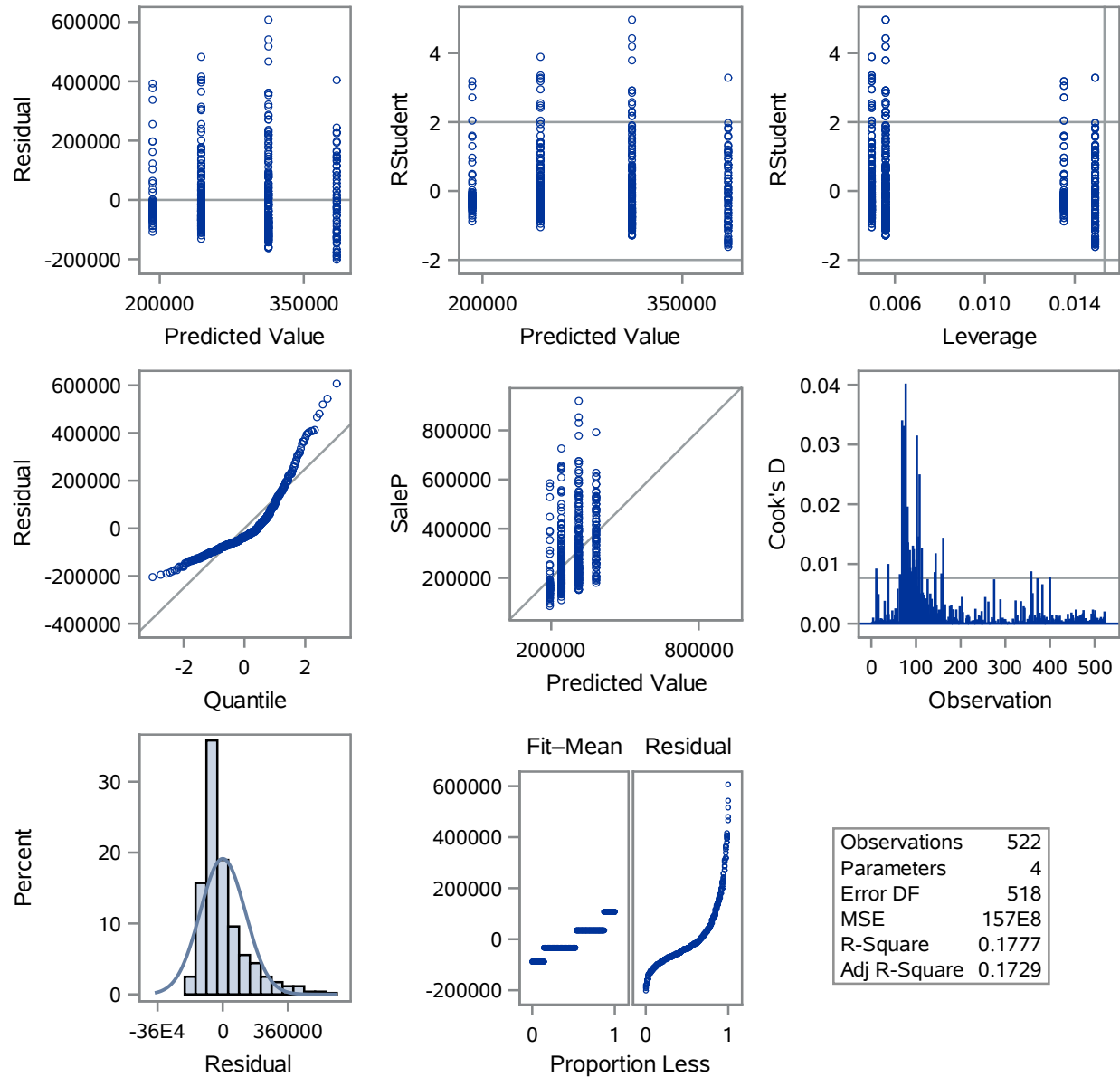
R-Square	Coeff Var	Root MSE	SaleP Mean
0.177674	45.13719	125433.6	277894.1

Source	DF	Type I SS	Mean Square	F Value	Pr > F
newnNbed	3	1.7609129E12	586970959337	37.31	<.0001

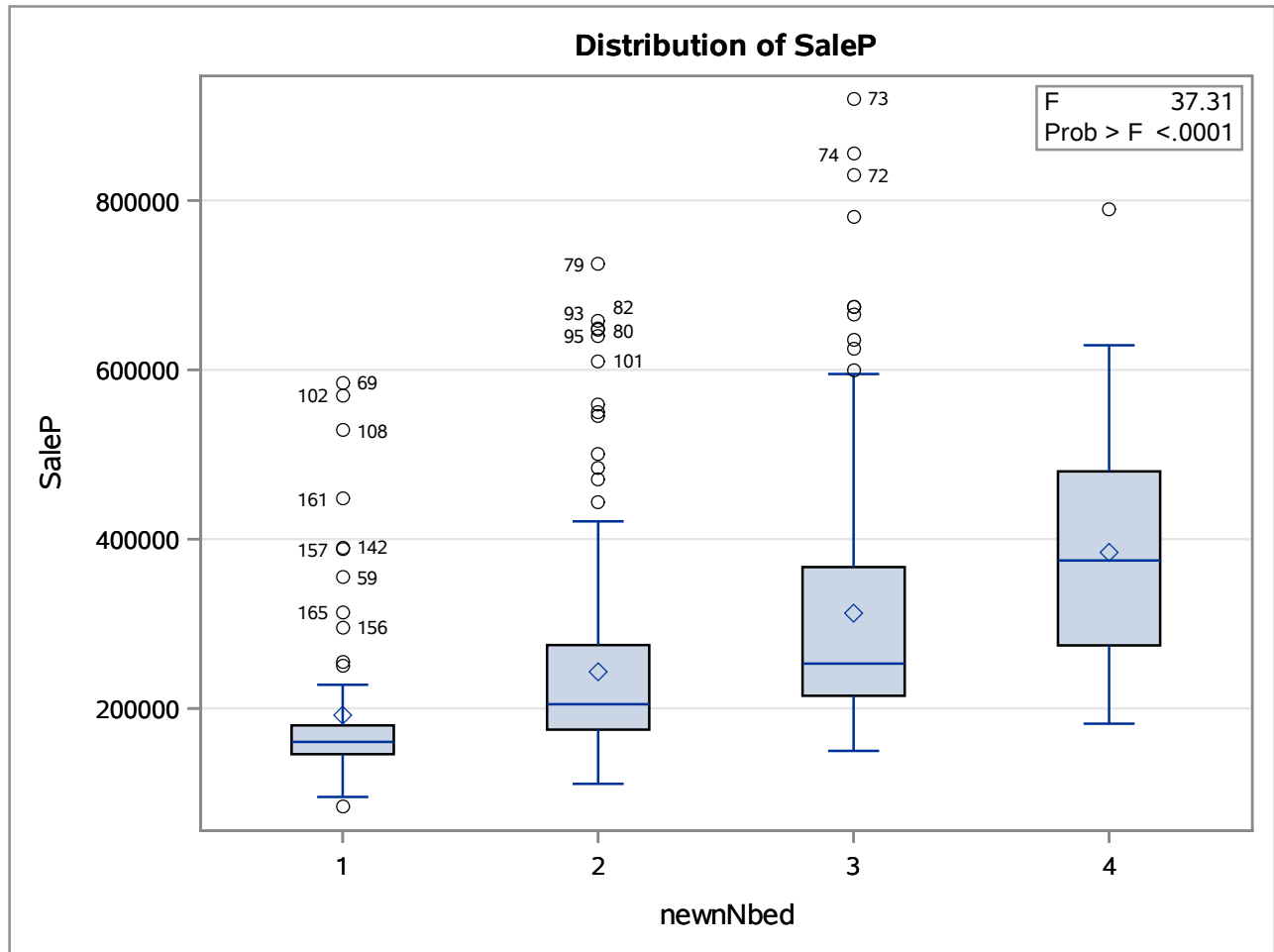
Source	DF	Type III SS	Mean Square	F Value	Pr > F
newnNbed	3	1.7609129E12	586970959337	37.31	<.0001

**The GLM Procedure**  
**Dependent Variable: SaleP**

**Fit Diagnostics for SaleP**



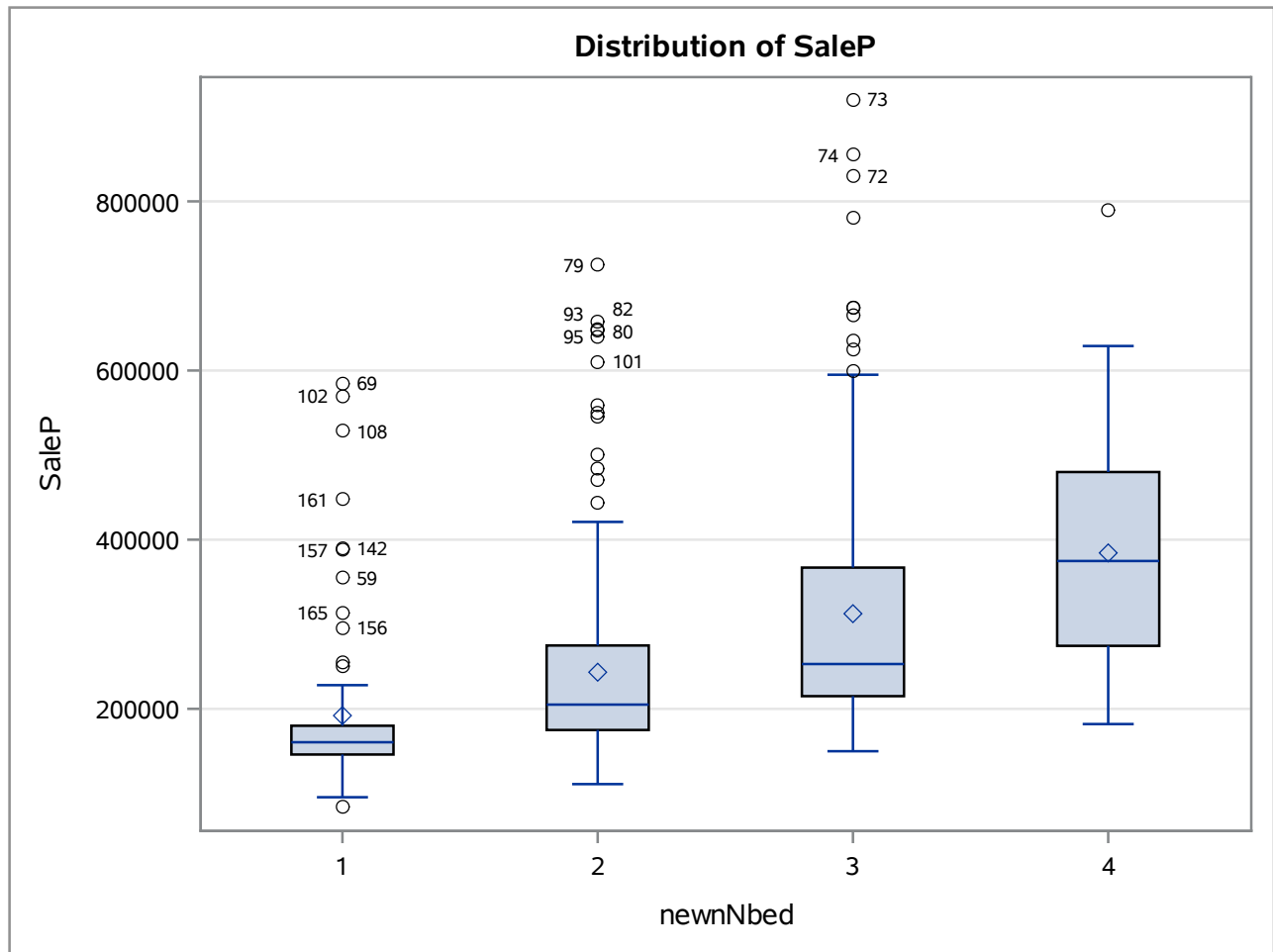
**The GLM Procedure**  
**Dependent Variable: SaleP**



**The GLM Procedure**

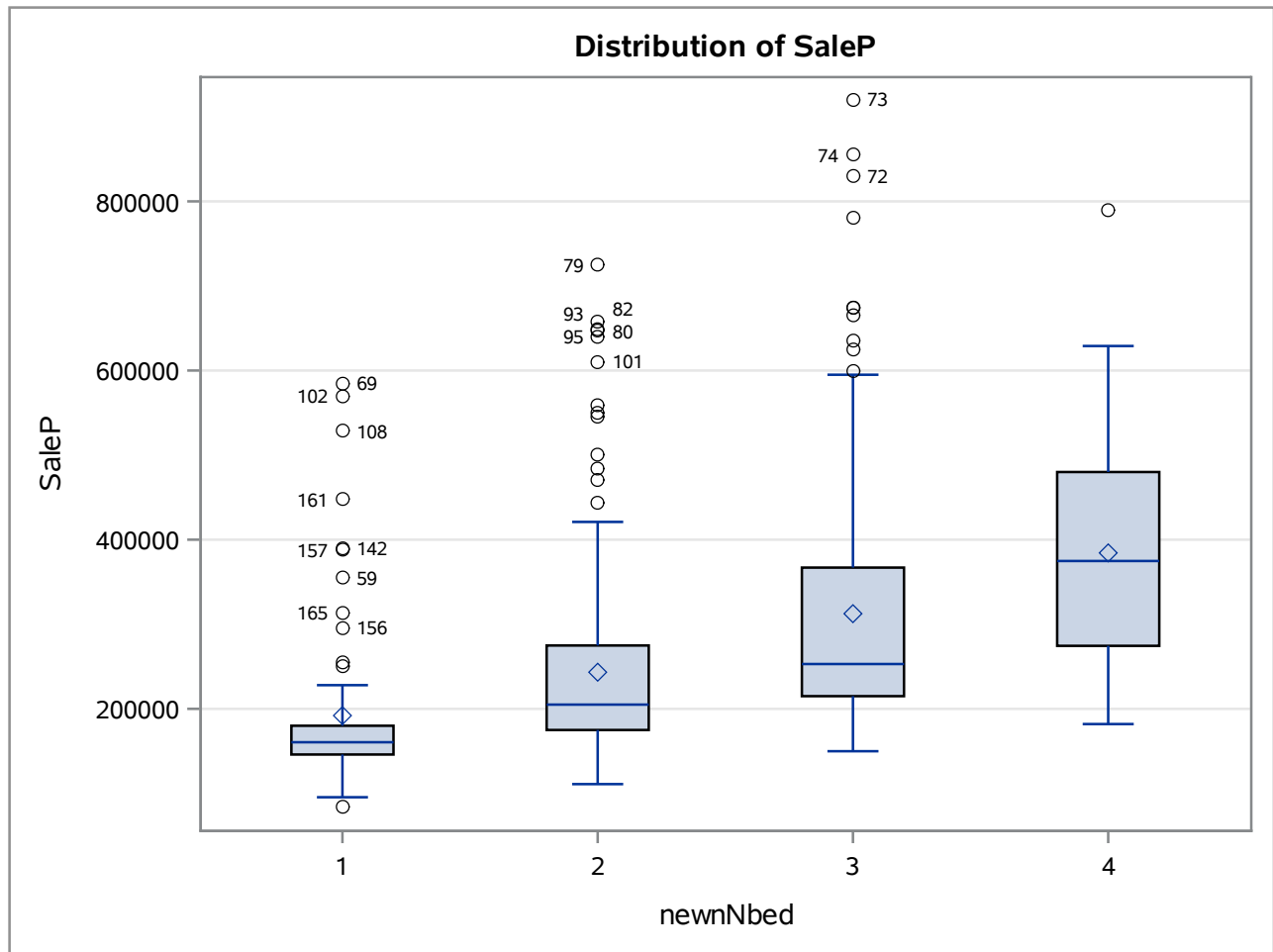
Bartlett's Test for Homogeneity of SaleP Variance			
Source	DF	Chi-Square	Pr > ChiSq
newnNbed	3	21.9848	<.0001

## The GLM Procedure



Level of newnNbed	N	SaleP	
		Mean	Std Dev
1	74	192056.081	100361.383
2	202	243330.515	110379.962
3	179	312530.341	146265.348
4	67	384371.642	132443.817

## The GLM Procedure



## The GLM Procedure

### Tukey's Studentized Range (HSD) Test for SaleP

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	518
Error Mean Square	1.573E10
Critical Value of Studentized Range	3.64488

Comparisons significant at the 0.05 level are indicated by ***.				
newnNbed Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
4 - 3	71841	25541	118142	***
4 - 2	141041	95464	186618	***
4 - 1	192316	137798	246833	***
3 - 4	-71841	-118142	-25541	***
3 - 2	69200	36015	102385	***
3 - 1	120474	75796	165153	***
2 - 4	-141041	-186618	-95464	***
2 - 3	-69200	-102385	-36015	***
2 - 1	51274	7346	95203	***
1 - 4	-192316	-246833	-137798	***
1 - 3	-120474	-165153	-75796	***
1 - 2	-51274	-95203	-7346	***



**The UNIVARIATE Procedure**  
**Variable: resid**

Moments			
<b>N</b>	522	<b>Sum Weights</b>	522
<b>Mean</b>	0	<b>Sum Observations</b>	0
<b>Std Deviation</b>	125071.949	<b>Variance</b>	1.5643E10
<b>Skewness</b>	1.73703131	<b>Kurtosis</b>	3.55841968
<b>Uncorrected SS</b>	8.15E12	<b>Corrected SS</b>	8.15E12
<b>Coeff Variation</b>	.	<b>Std Error Mean</b>	5474.25048

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.0	<b>Std Deviation</b>	125072
<b>Median</b>	-36680.4	<b>Variance</b>	1.5643E10
<b>Mode</b>	-68330.5	<b>Range</b>	809841
		<b>Interquartile Range</b>	113200

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	0	<b>Pr &gt;  t </b>	1.0000
<b>Sign</b>	<b>M</b>	-84	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	<b>S</b>	-14621.5	<b>Pr &gt;=  S </b>	<.0001

Tests for Normality				
Test	Statistic		p Value	
<b>Shapiro-Wilk</b>	<b>W</b>	0.844474	<b>Pr &lt; W</b>	<0.0001
<b>Kolmogorov-Smirnov</b>	<b>D</b>	0.171673	<b>Pr &gt; D</b>	<0.0100
<b>Cramer-von Mises</b>	<b>W-Sq</b>	4.535594	<b>Pr &gt; W-Sq</b>	<0.0050
<b>Anderson-Darling</b>	<b>A-Sq</b>	24.79803	<b>Pr &gt; A-Sq</b>	<0.0050

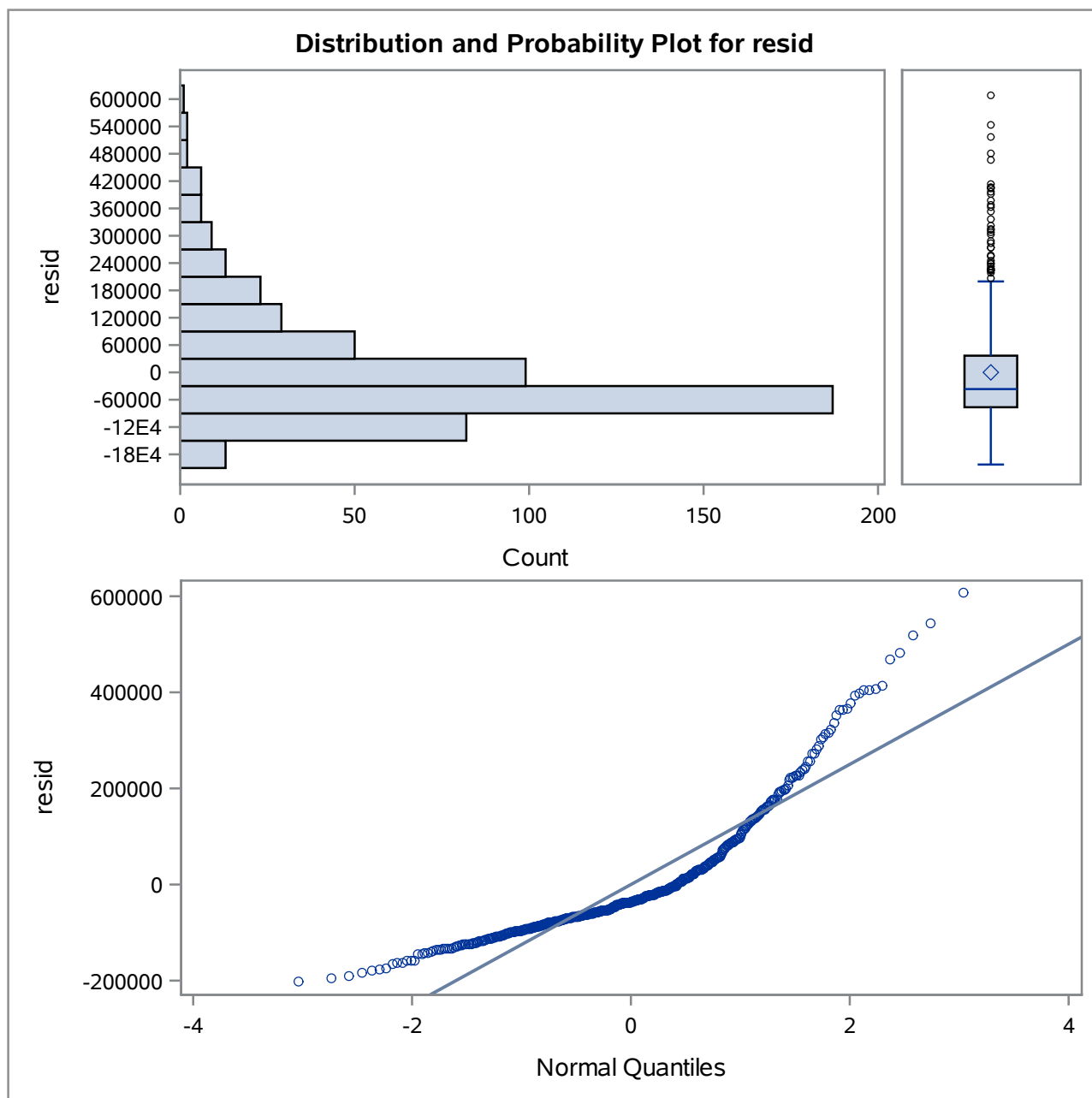
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	607469.7
<b>99%</b>	414169.5
<b>95%</b>	256669.5
<b>90%</b>	171669.5
<b>75% Q3</b>	36669.5
<b>50% Median</b>	-36680.4
<b>25% Q1</b>	-76530.3

**The UNIVARIATE Procedure**  
**Variable: resid**

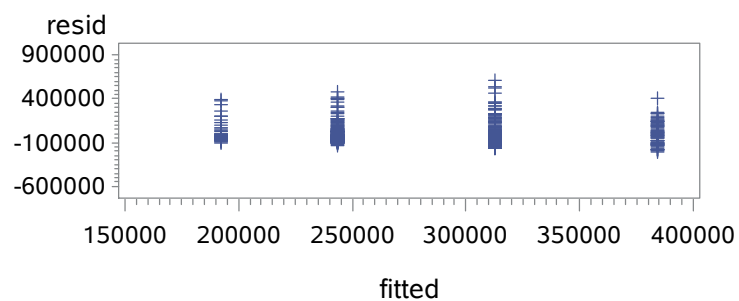
Quantiles (Definition 5)	
Level	Quantile
10%	-112530.3
5%	-132530.3
1%	-176371.6
0% Min	-202371.6

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-202372	38	467470	81
-194372	11	481669	79
-189622	358	517470	72
-184372	64	542470	74
-178872	400	607470	73

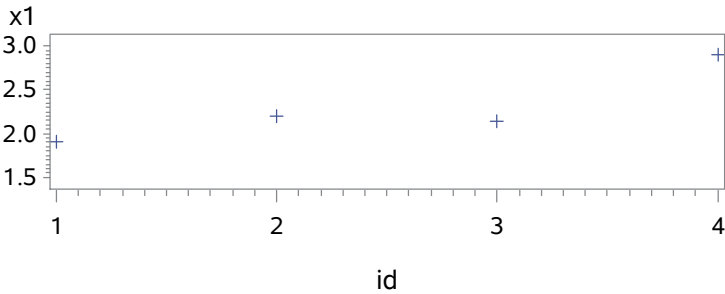
## The UNIVARIATE Procedure



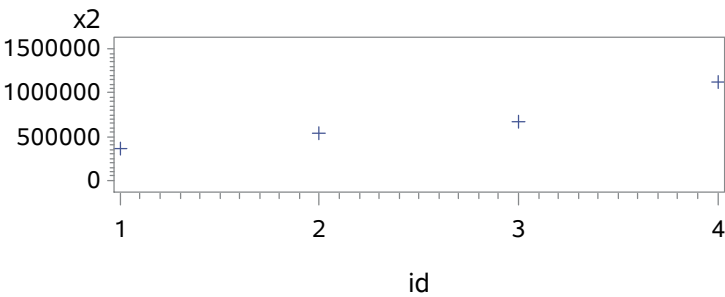
## Residuals vs Fitted (Overall)



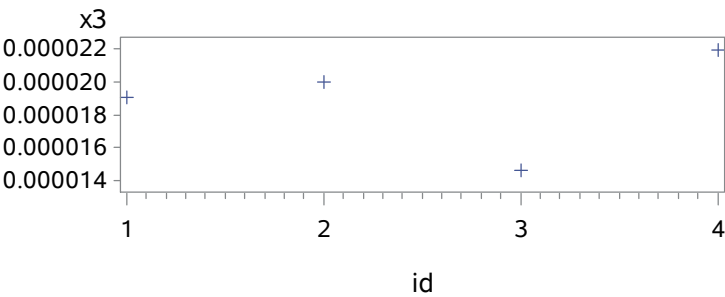
Y/s



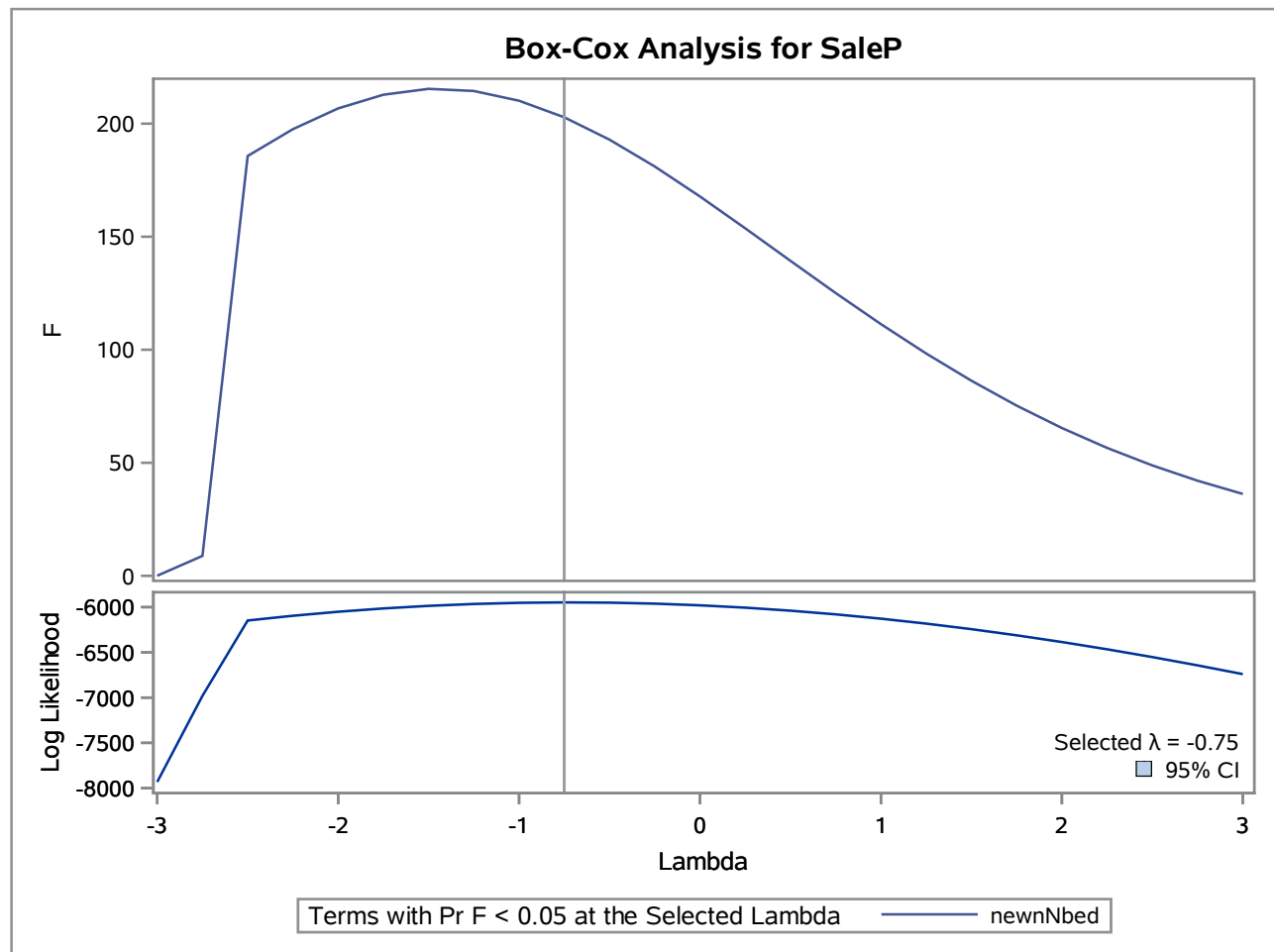
$Y^2/s$



$Y/s^2$



## The TRANSREG Procedure





**The GLM Procedure**

Class Level Information		
Class	Levels	Values
newnNbed	4	1 2 3 4

Number of Observations Read	522
Number of Observations Used	522

## The GLM Procedure

Dependent Variable: newSaleP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1.1418879E-7	3.8062931E-8	68.41	<.0001
Error	518	2.8821058E-7	5.563911E-10		
Corrected Total	521	4.0239937E-7			

R-Square	Coeff Var	Root MSE	newSaleP Mean
0.283770	25.21673	0.000024	0.000094

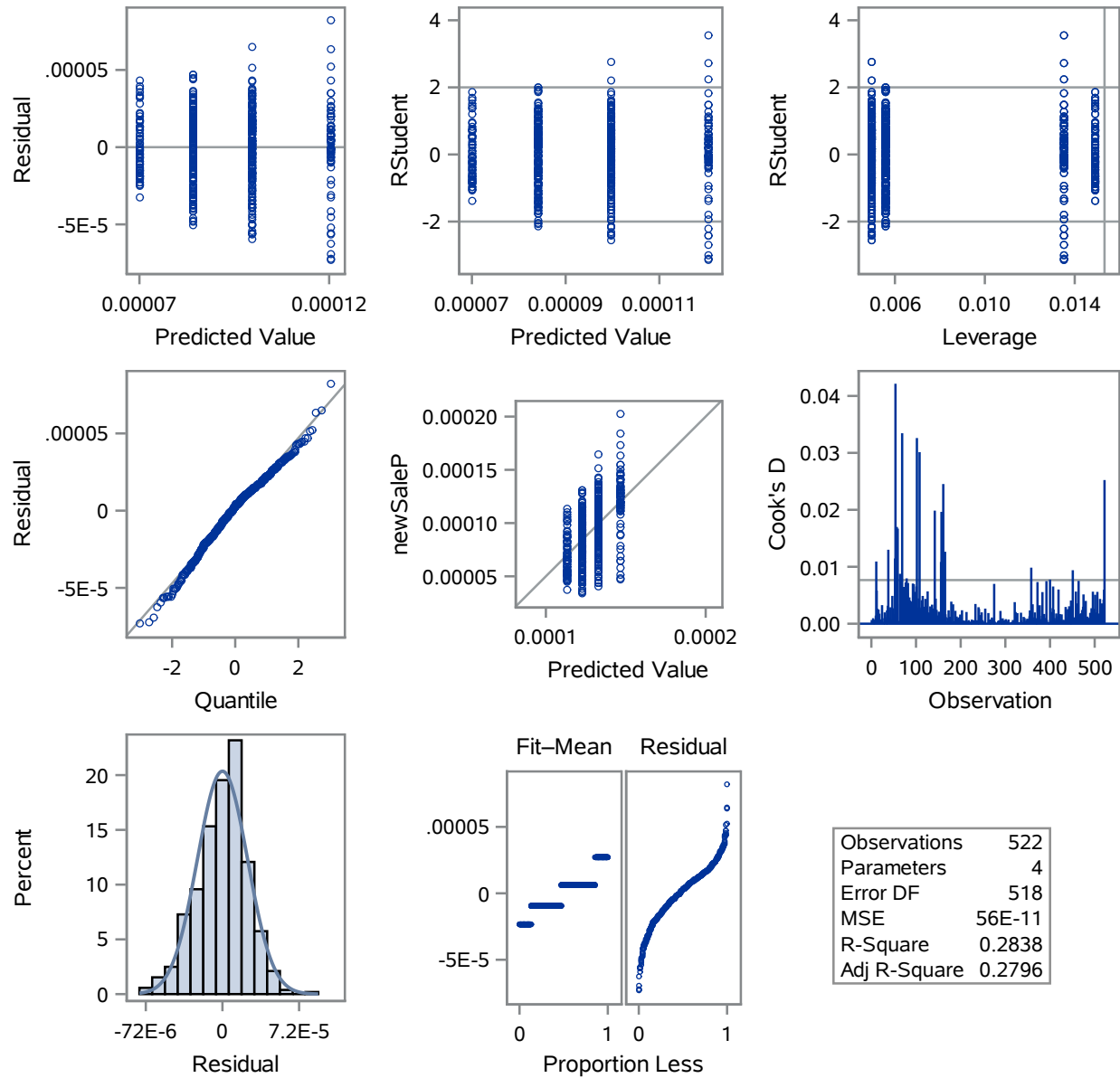
Source	DF	Type I SS	Mean Square	F Value	Pr > F
newnNbed	3	1.1418879E-7	3.8062931E-8	68.41	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
newnNbed	3	1.1418879E-7	3.8062931E-8	68.41	<.0001

## The GLM Procedure

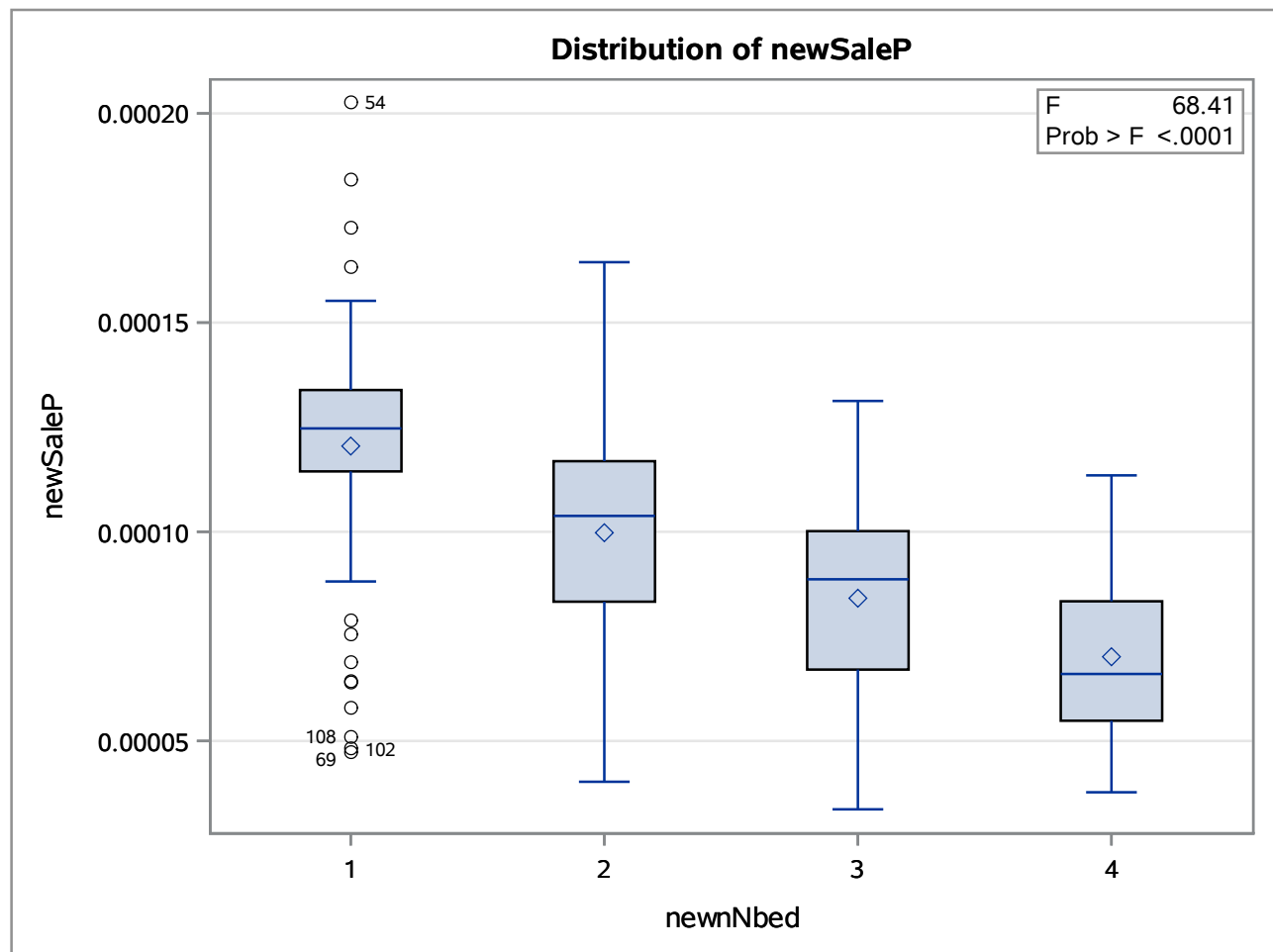
Dependent Variable: newSaleP

## Fit Diagnostics for newSaleP



## The GLM Procedure

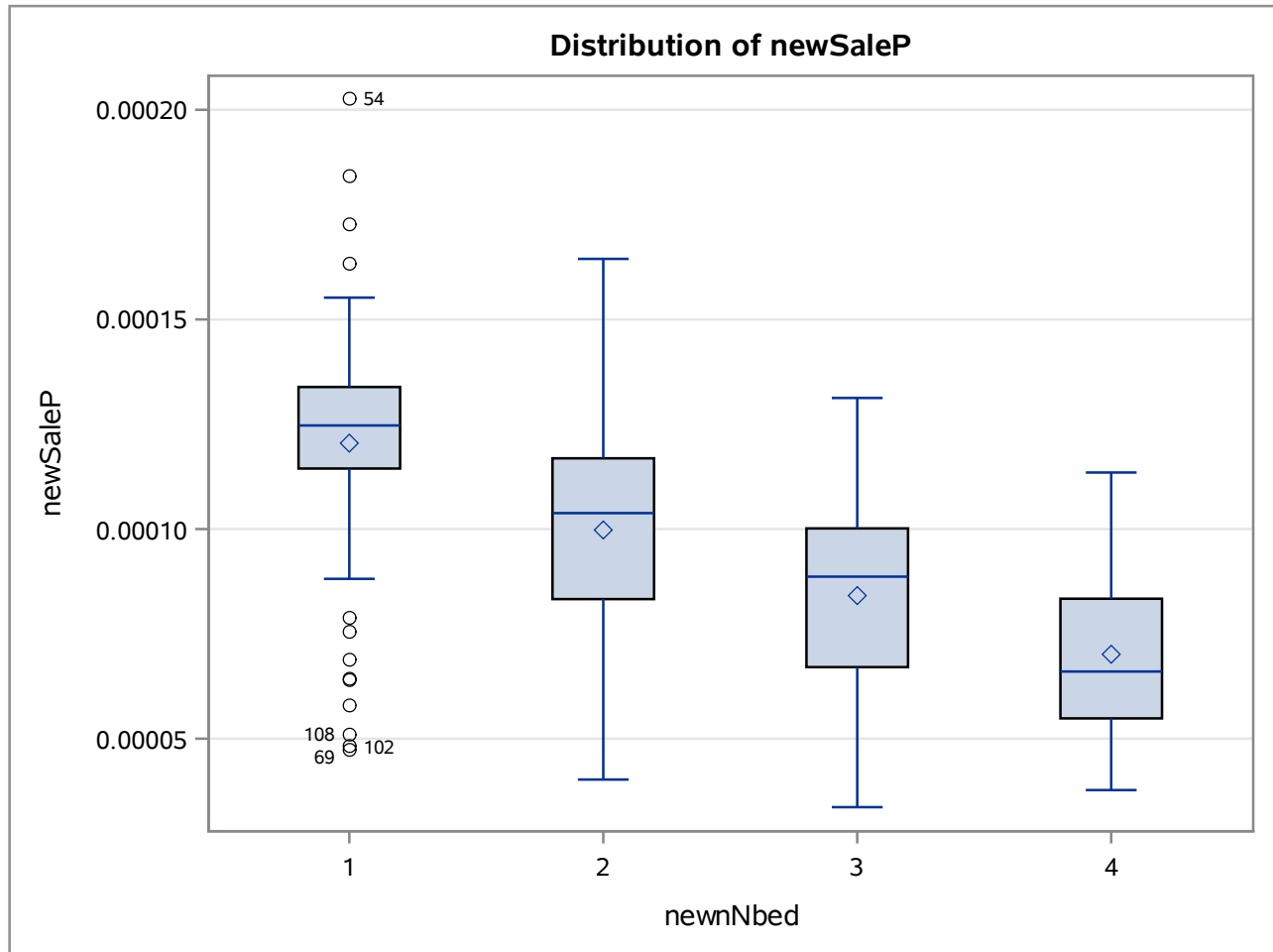
Dependent Variable: newSaleP



**The GLM Procedure**

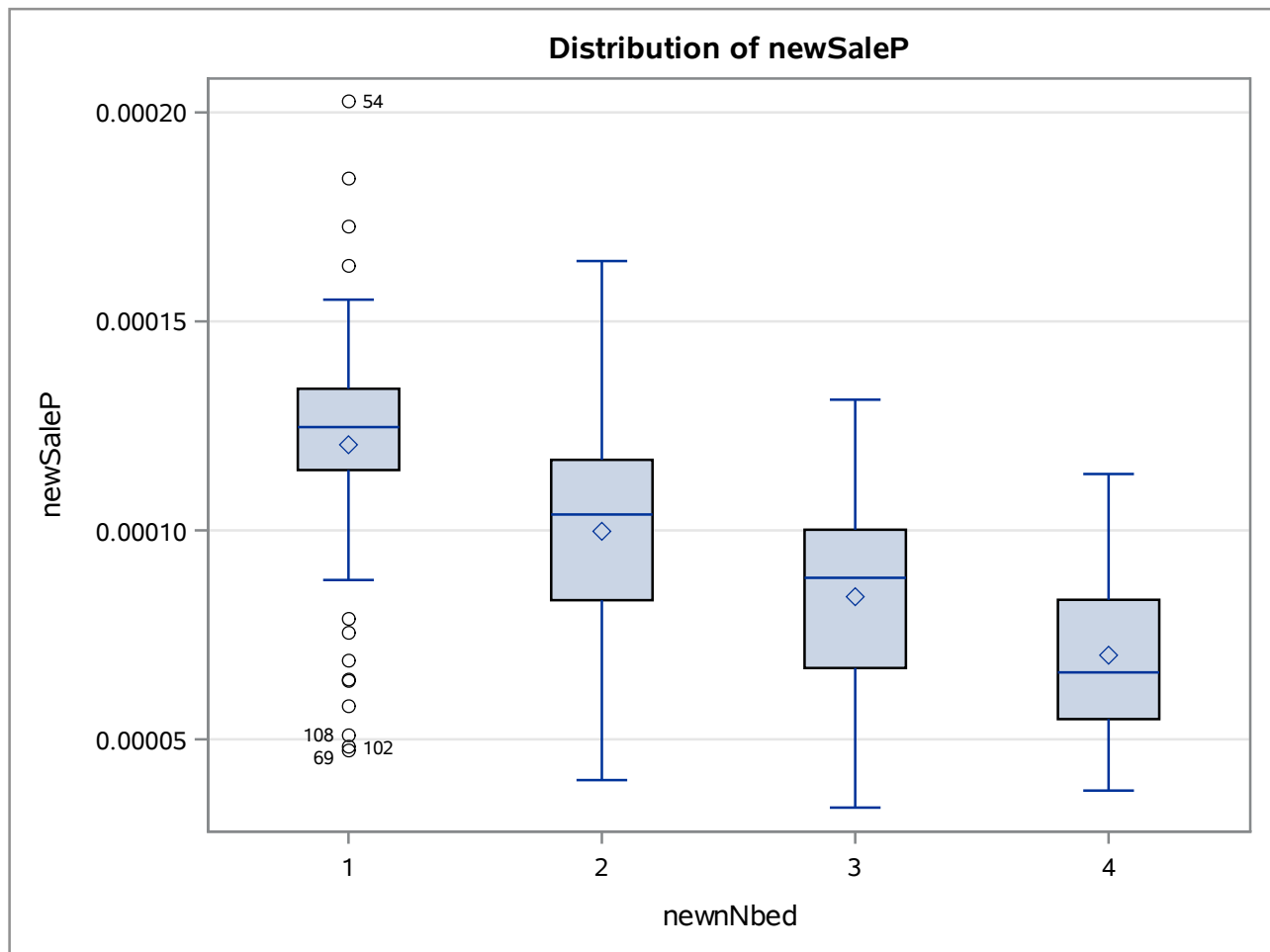
Bartlett's Test for Homogeneity of newSaleP Variance			
Source	DF	Chi-Square	Pr > ChiSq
newnNbed	3	13.0834	0.0045

## The GLM Procedure



Level of newnNbed	N	newSaleP	
		Mean	Std Dev
1	74	0.00012049	0.00002884
2	202	0.00009978	0.00002368
3	179	0.00008412	0.00002266
4	67	0.00007013	0.00001883

## The GLM Procedure



## The GLM Procedure

### Tukey's Studentized Range (HSD) Test for newSaleP

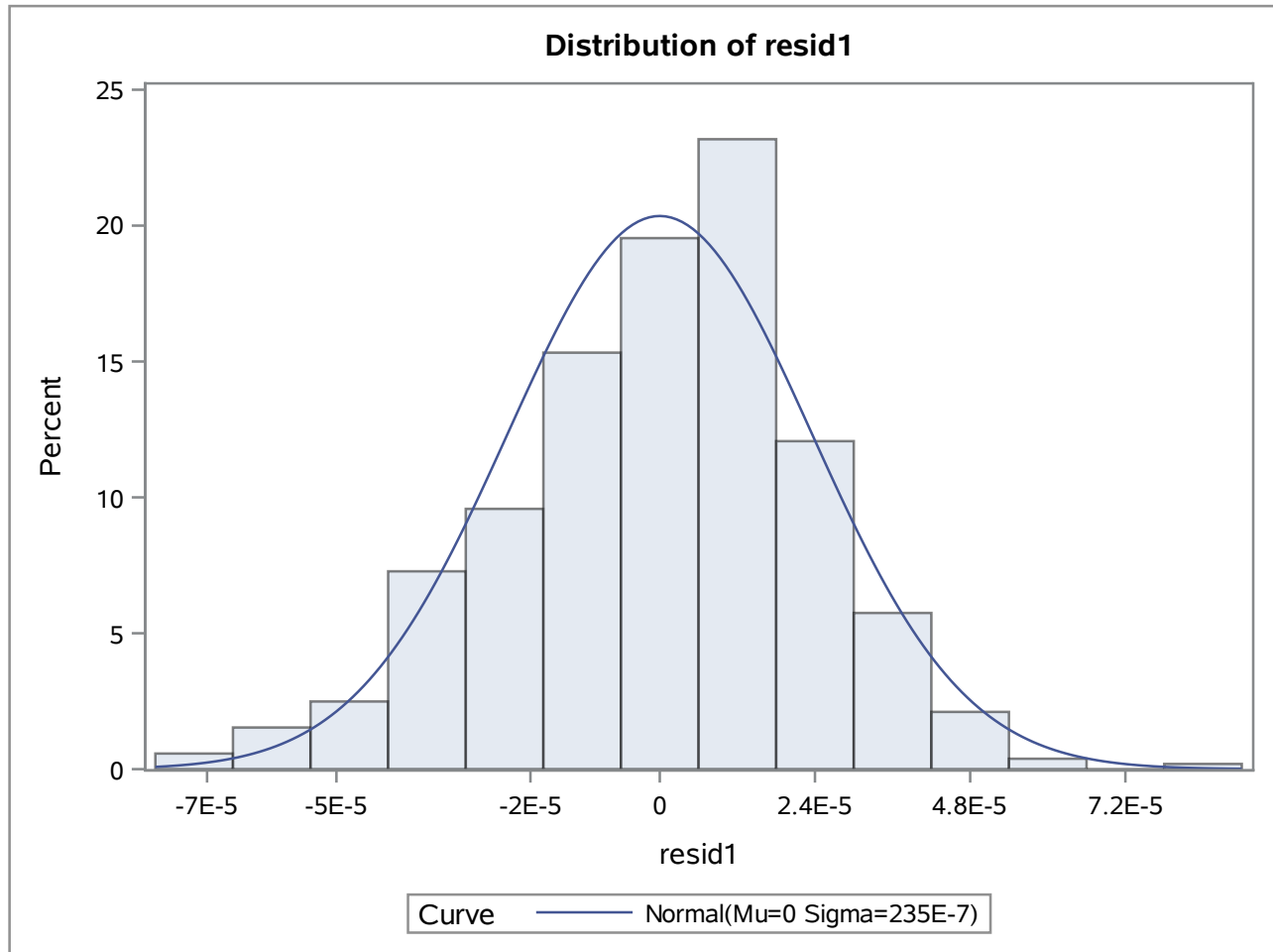
**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	518
Error Mean Square	5.56E-10
Critical Value of Studentized Range	3.64488

Comparisons significant at the 0.05 level are indicated by ***.				
newnNbed Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
1 - 2	0.00002071	0.00001245	0.00002897	***
1 - 3	0.00003637	0.00002796	0.00004477	***
1 - 4	0.00005036	0.00004011	0.00006061	***
2 - 1	-.00002071	-.00002897	-.00001245	***
2 - 3	0.00001565	0.00000941	0.00002189	***
2 - 4	0.00002965	0.00002107	0.00003822	***
3 - 1	-.00003637	-.00004477	-.00002796	***
3 - 2	-.00001565	-.00002189	-.00000941	***
3 - 4	0.00001399	0.00000529	0.00002270	***
4 - 1	-.00005036	-.00006061	-.00004011	***
4 - 2	-.00002965	-.00003822	-.00002107	***
4 - 3	-.00001399	-.00002270	-.00000529	***



## The UNIVARIATE Procedure



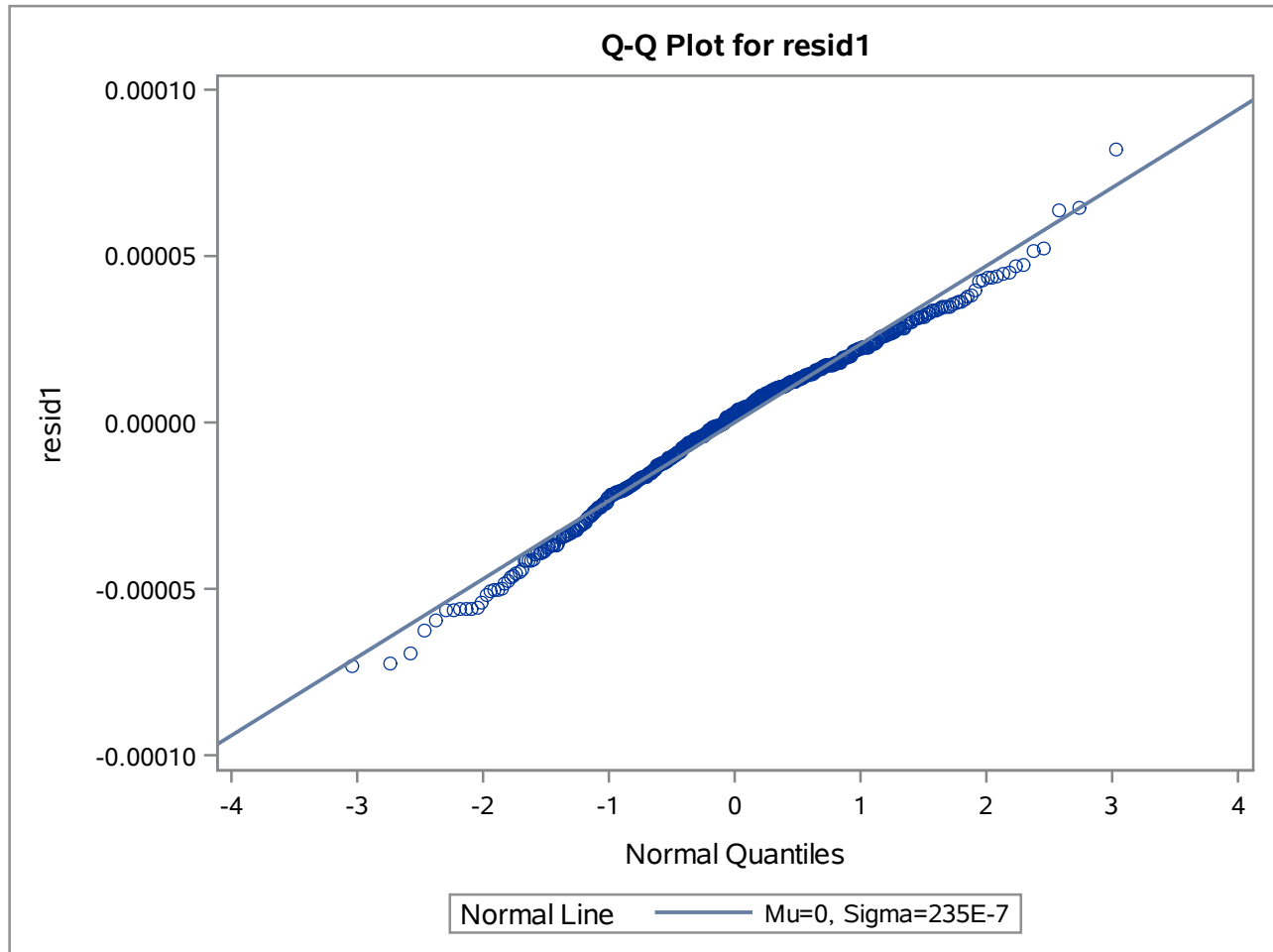
**The UNIVARIATE Procedure**  
**Fitted Normal Distribution for resid1**

Parameters for Normal Distribution		
Parameter	Symbol	Estimate
Mean	Mu	0
Std Dev	Sigma	0.000024

Goodness-of-Fit Tests for Normal Distribution				
Test	Statistic		p Value	
Kolmogorov-Smirnov	D	0.05863330	Pr > D	<0.010
Cramer-von Mises	W-Sq	0.34452443	Pr > W-Sq	<0.005
Anderson-Darling	A-Sq	1.99621177	Pr > A-Sq	<0.005

Quantiles for Normal Distribution		
Percent	Quantile	
	Observed	Estimated
1.0	-0.0000565	-0.000055
5.0	-0.0000417	-0.000039
10.0	-0.0000324	-0.000030
25.0	-0.0000152	-0.000016
50.0	0.0000028	0.000000
75.0	0.0000160	0.000016
90.0	0.0000276	0.000030
95.0	0.0000343	0.000039
99.0	0.0000471	0.000055

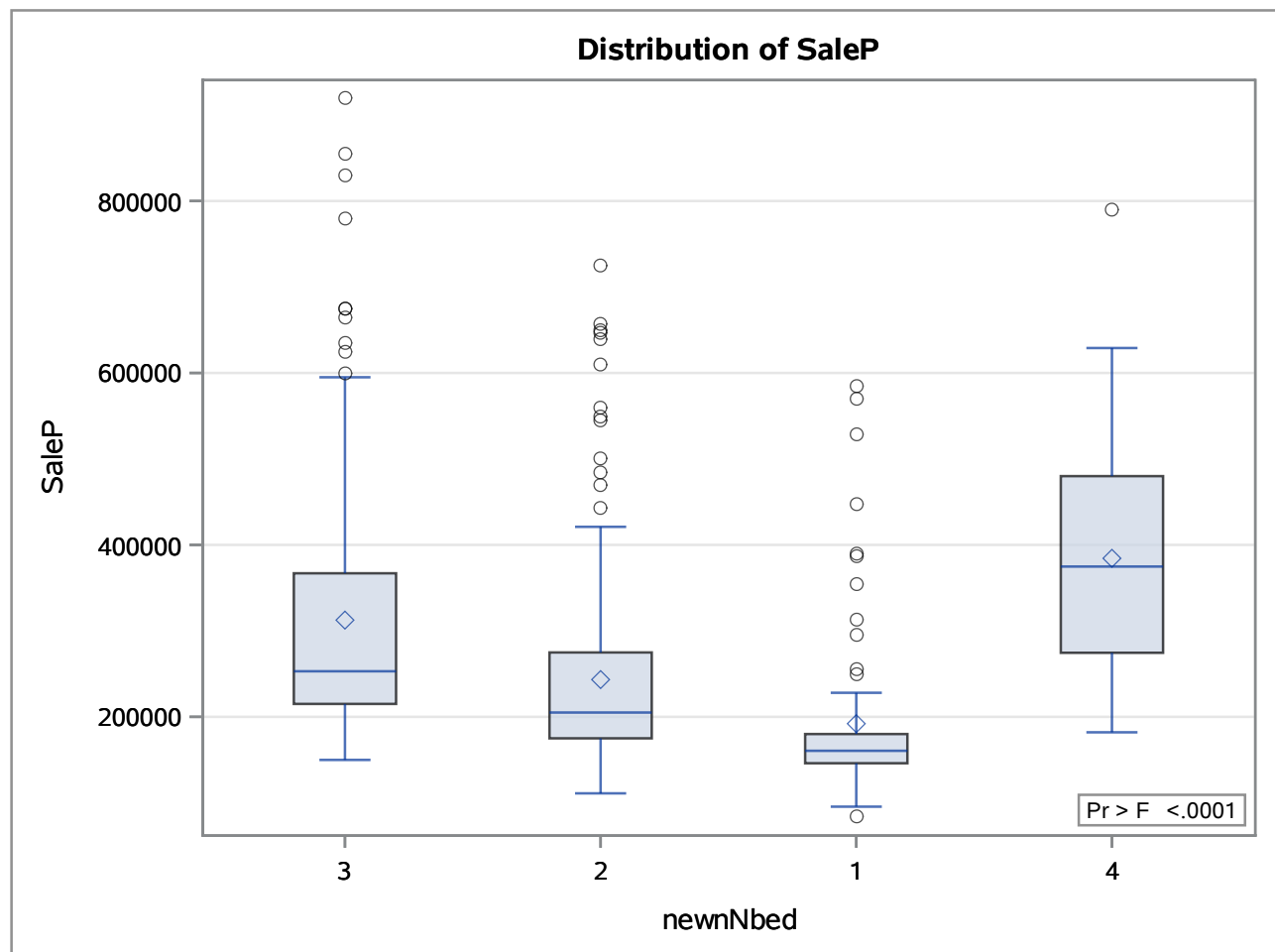
## The UNIVARIATE Procedure



## The NPAR1WAY Procedure

Analysis of Variance for Variable SaleP Classified by Variable newnNbed		
newnNbed	N	Mean
3	179	312530.341
2	202	243330.515
1	74	192056.081
4	67	384371.642

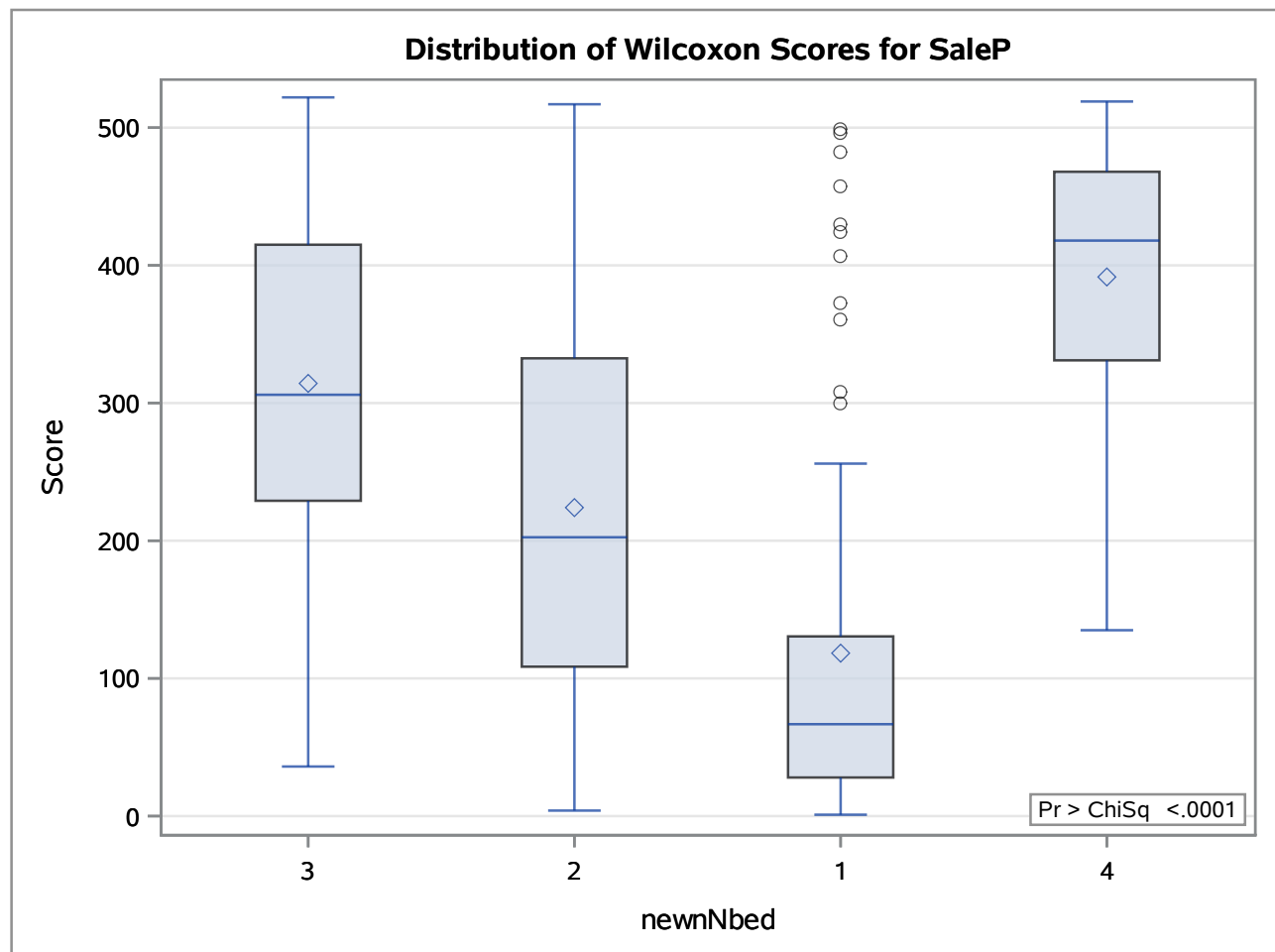
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	1760912878012	5.86971E11	37.3069	<.0001
Within	518	8149999012930	15733588828		
Average scores were used for ties.					



## The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable SaleP Classified by Variable newnNbed					
newnNbed	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
3	179	56251.50	46808.50	1635.79245	314.254190
2	202	45259.50	52823.00	1678.43798	224.056931
1	74	8757.00	19351.00	1202.01390	118.337838
4	67	26235.00	17520.50	1152.65072	391.567164
Average scores were used for ties.					

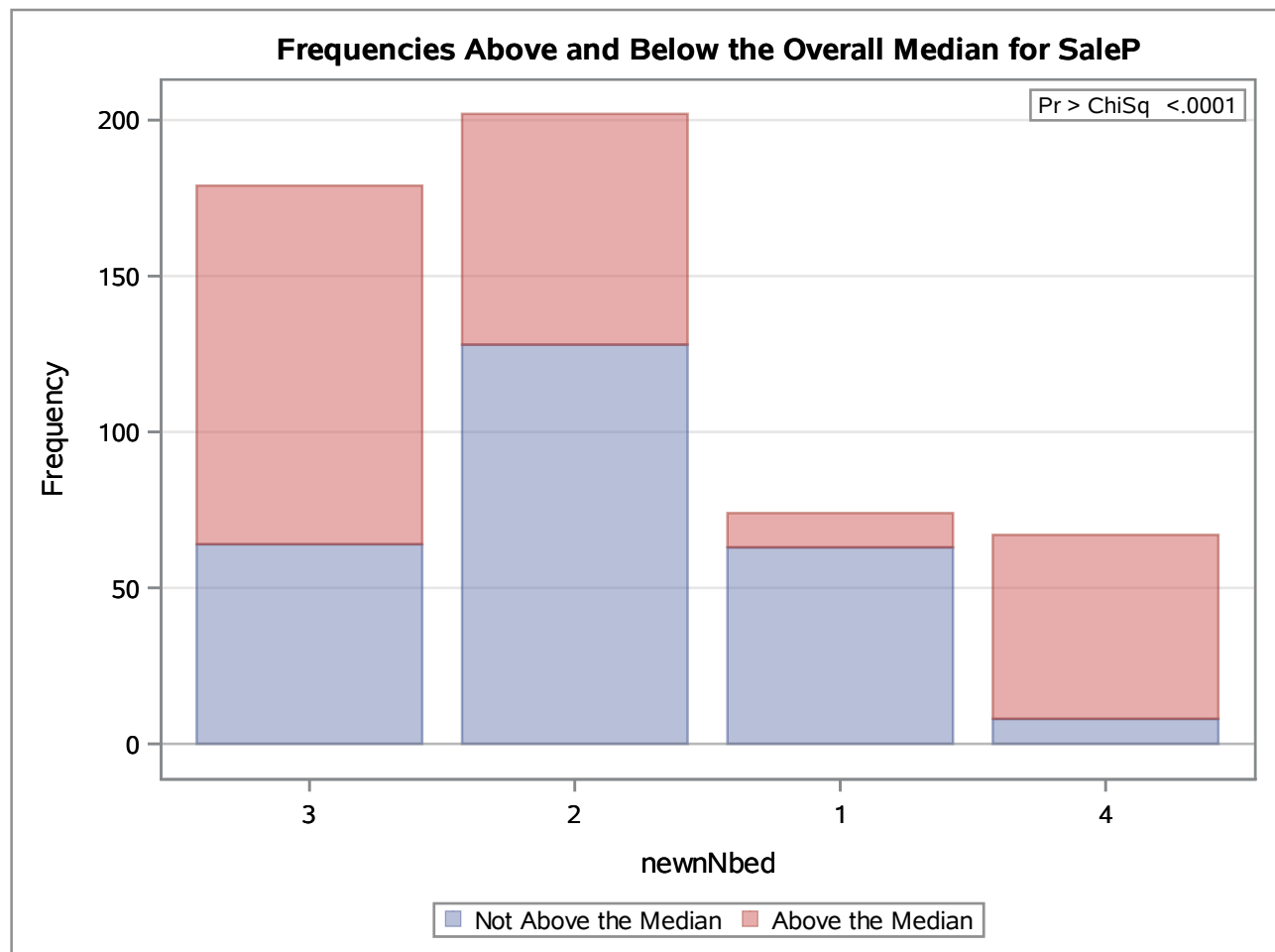
Kruskal-Wallis Test	
Chi-Square	150.8352
DF	3
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable SaleP Classified by Variable newnNbed					
newnNbed	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
3	179	116.333333	89.50	5.413929	0.649907
2	202	74.666667	101.00	5.555072	0.369637
1	74	11.000000	37.00	3.978266	0.148649
4	67	59.000000	33.50	3.814891	0.880597
Average scores were used for ties.					

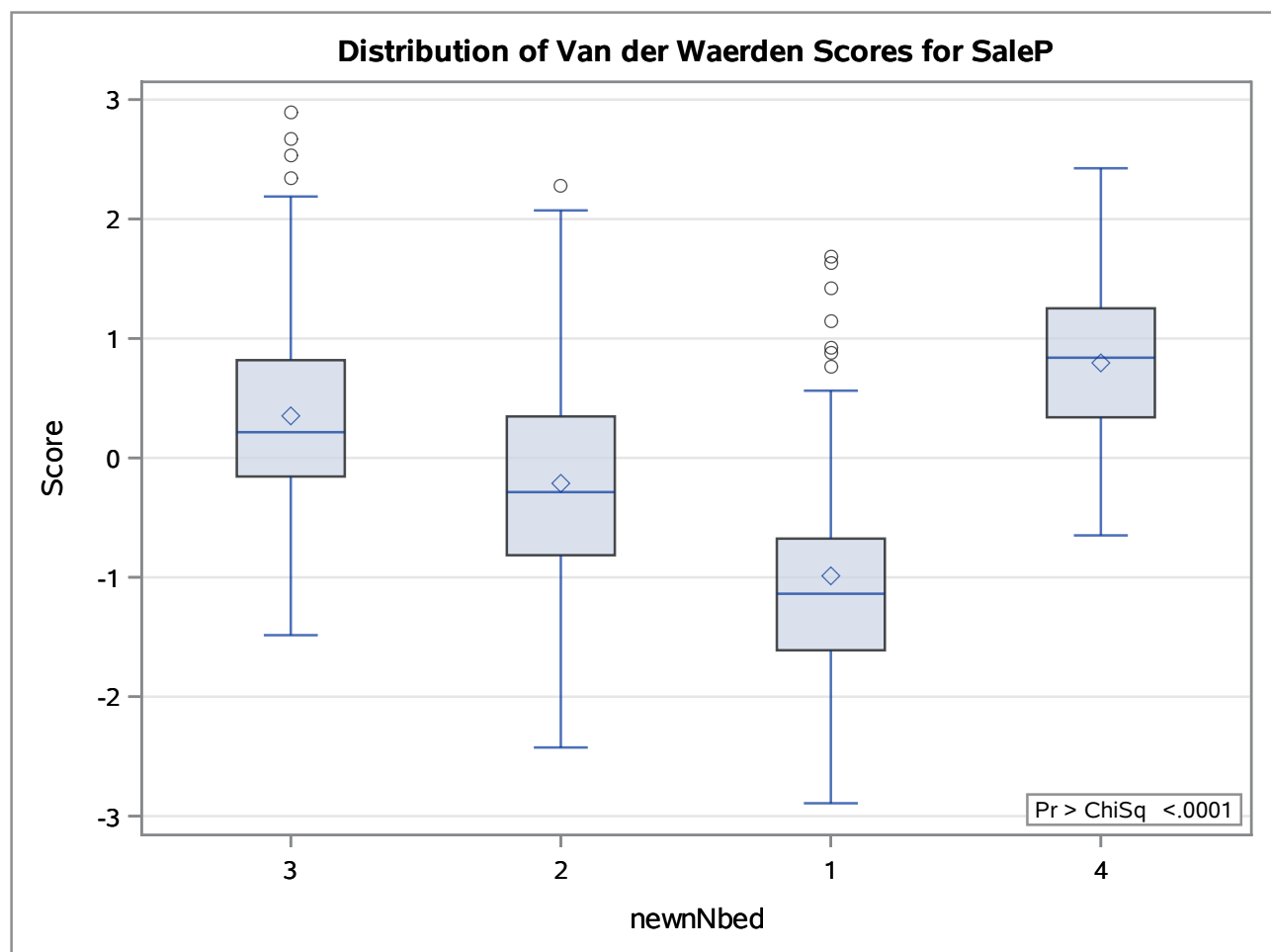
Median One-Way Analysis	
Chi-Square	105.5206
DF	3
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable SaleP Classified by Variable newnNbed					
newnNbed	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
3	179	62.915423	0.0	10.743038	0.351483
2	202	-43.085067	0.0	11.023112	-0.213292
1	74	-73.121893	0.0	7.894205	-0.988134
4	67	53.291537	0.0	7.570013	0.795396
Average scores were used for ties.					

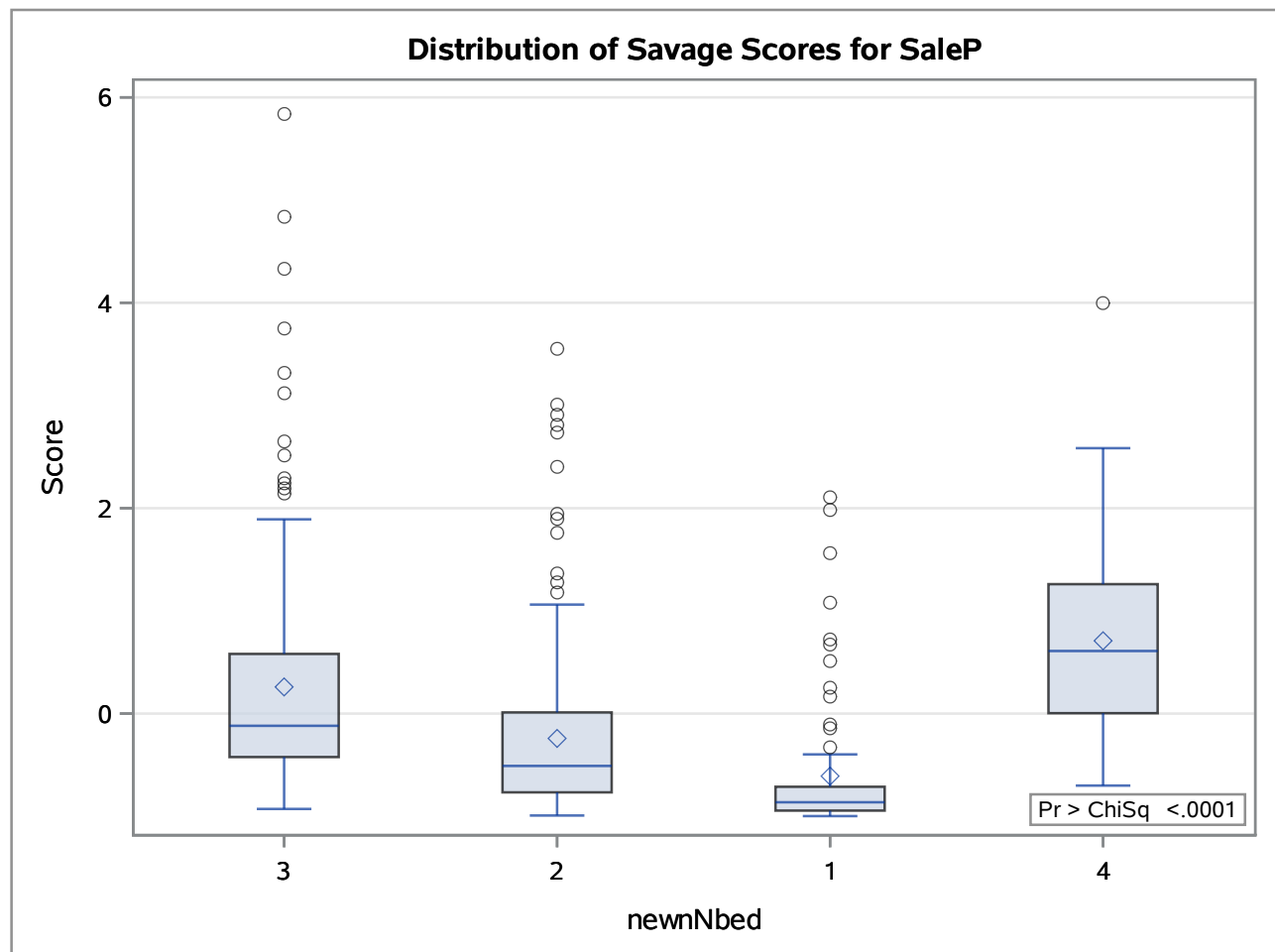
Van der Waerden One-Way Analysis	
Chi-Square	148.7350
DF	3
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable SaleP Classified by Variable newnNbed					
newnNbed	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
3	179	46.458378	0.0	10.784097	0.259544
2	202	-48.912317	0.0	11.065241	-0.242140
1	74	-45.043787	0.0	7.924376	-0.608700
4	67	47.497725	0.0	7.598945	0.708921
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	85.9581
DF	3
Pr > Chi-Square	<.0001

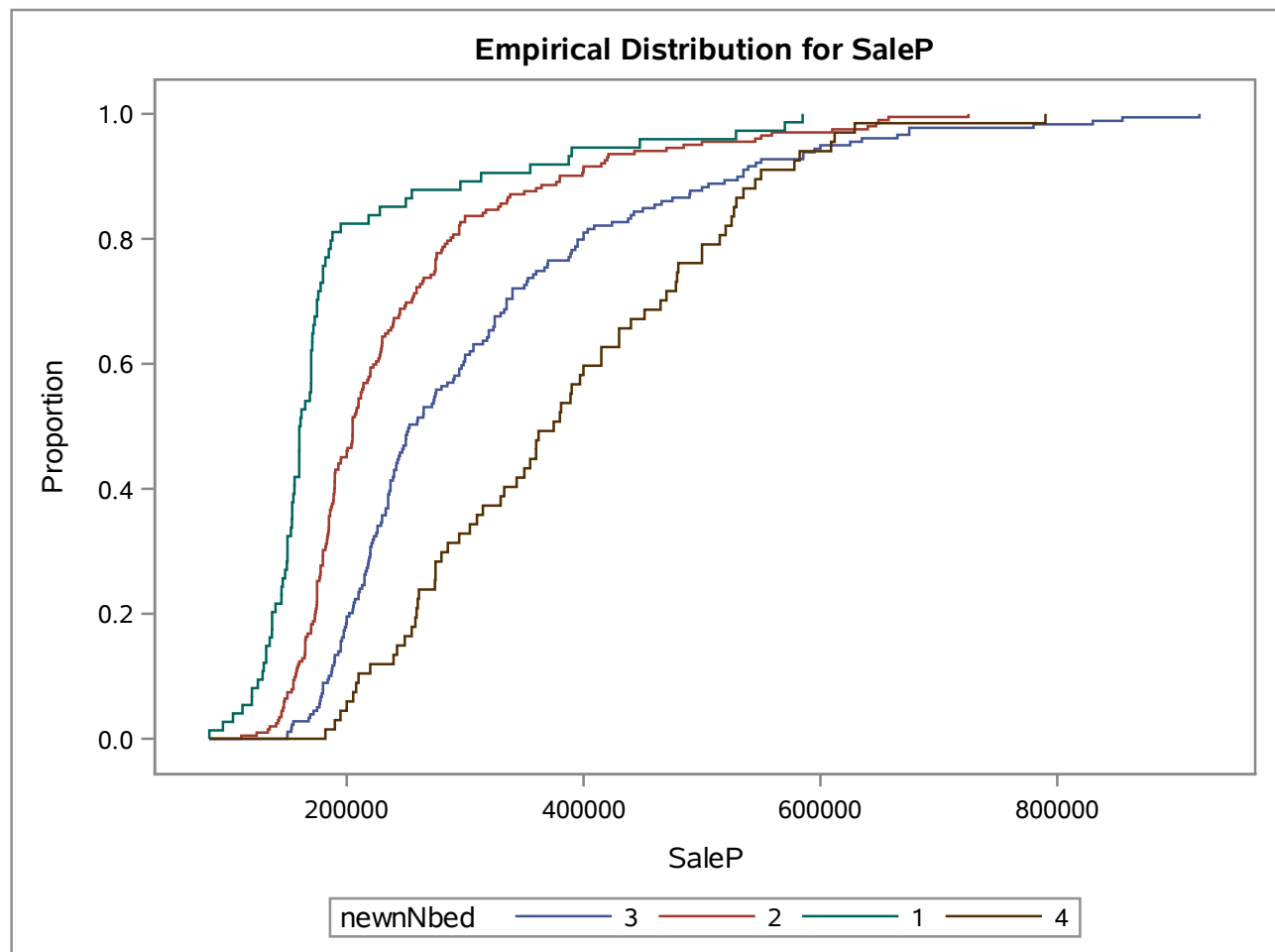




## The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable SaleP Classified by Variable newnNbed			
newnNbed	N	EDF at Maximum	Deviation from Mean at Maximum
3	179	0.117318	-2.556887
2	202	0.391089	1.174819
1	74	0.810811	4.321651
4	67	0.014925	-2.402432
Total	522	0.308429	
Maximum Deviation Occurred at Observation 308			
Value of SaleP at Maximum = 189000.0			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.249007	KSa	5.689131



## The NPAR1WAY Procedure

Cramer-von Mises Test for Variable SaleP Classified by Variable newnNbed		
newnNbed	N	Summed Deviation from Mean
3	179	2.472939
2	202	1.548570
1	74	7.395013
4	67	5.250449

Cramer-von Mises Statistics (Asymptotic)			
CM	0.031929	CMa	16.666971

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
1	12	559000	2791	3	4	1	3	0	1992	1
2	58	420000	2283	3	3	1	3	0	1997	1
3	73	920000	3857	4	5	1	3	0	1997	1
4	79	725000	3242	3	3	1	3	0	1989	1
5	80	647000	2464	3	3	1	3	0	1992	1
6	81	780000	4419	4	5	1	7	0	1987	1
7	86	609000	2654	5	3	1	3	0	1997	1
8	87	635000	2672	4	3	1	3	0	1995	1
9	93	649000	3210	3	5	1	3	0	1995	1
10	95	640000	2705	3	3	1	3	0	1994	1
11	96	600000	2344	4	3	1	2	0	1925	1
12	98	545000	2615	3	3	1	3	0	1996	1
13	100	595000	2479	4	4	1	3	0	1989	1
14	101	610000	3251	3	4	1	3	1	1985	1
15	102	570000	2547	2	3	1	3	0	1996	1
16	106	629000	3139	6	4	1	2	1	1977	1
17	108	528750	2129	0	0	1	3	0	1992	1
18	114	442500	2702	4	3	1	3	0	1991	1

Obs	style	lotsize	adjhighway	style1	SQ
1	1	30595	0	1	11
2	1	18524	1	1	11
3	1	32793	0	1	11
4	1	27173	0	1	11
5	1	31703	0	1	11
6	1	56127	0	1	11
7	1	12821	0	1	11
8	1	28049	0	1	11
9	1	30033	0	1	11
10	1	22196	0	1	11
11	1	86004	0	1	11
12	1	21722	0	1	11
13	1	29805	0	1	11
14	1	25570	0	1	11
15	1	21789	0	1	11
16	1	21810	0	1	11
17	1	37414	0	1	11
18	1	39643	0	1	11

# Histogram of Residuals

Monday, December 25, 2017 06:20:17 PM 36

Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
19	116	539000	3072	4	4	1	3	0	1992	1
20	122	393000	2472	4	4	1	3	0	1987	1
21	123	530000	2878	4	4	1	3	0	1992	1
22	124	400000	2537	3	3	1	2	0	1993	1
23	126	550000	2742	3	3	1	3	0	1991	1
24	127	380000	3460	5	4	1	2	0	1972	1
25	132	550000	3828	4	5	1	2	1	1975	1
26	1	360000	3032	4	4	1	2	0	1972	2
27	2	340000	2058	4	2	1	2	0	1976	2
28	3	250000	1780	4	3	1	2	0	1980	2
29	4	205500	1638	4	2	1	2	0	1963	2
30	6	248000	1966	4	3	1	5	1	1972	2
31	8	150000	1597	2	1	1	1	0	1955	2
32	15	299900	2090	3	3	1	2	0	1987	2
33	17	169900	1502	2	2	1	2	0	1956	2
34	20	200000	1825	3	3	1	2	0	1957	2
35	22	212000	1763	3	3	1	2	0	1959	2
36	23	245000	2517	4	3	1	2	0	1965	2

Obs	style	lotsize	adjhighway	style1	SQ
19	1	25158	0	1	11
20	1	21784	0	1	11
21	1	68351	0	1	11
22	1	11053	0	1	11
23	1	22306	0	1	11
24	1	18571	0	1	11
25	1	17051	0	1	11
26	1	22221	0	1	12
27	1	22912	0	1	12
28	1	21345	0	1	12
29	1	17342	0	1	12
30	1	18902	0	1	12
31	1	22112	0	1	12
32	1	24025	0	1	12
33	1	28958	0	1	12
34	1	30266	0	1	12
35	1	24726	0	1	12
36	1	23261	0	1	12

# Histogram of Residuals

Monday, December 25, 2017 06:20:17 PM 37

Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
37	26	170900	2020	1	2	1	1	0	1956	2
38	27	229000	2164	4	2	1	2	0	1965	2
39	28	218500	2080	3	2	1	2	1	1959	2
40	31	164500	1460	3	2	1	2	0	1978	2
41	35	180000	2061	4	2	0	2	0	1958	2
42	36	157500	1980	3	2	1	2	0	1957	2
43	56	360000	2304	5	4	1	3	0	1978	2
44	59	355000	2060	2	3	1	2	0	1997	2
45	60	165000	2087	2	2	1	2	0	1966	2
46	63	253000	2222	4	2	0	2	0	1955	2
47	64	200000	2110	5	3	1	2	0	1957	2
48	134	440000	2821	5	4	1	2	1	1962	2
49	135	515000	2950	5	3	1	2	0	1969	2
50	141	379900	2380	3	3	1	3	0	1998	2
51	142	390000	2225	2	3	1	3	0	1997	2
52	143	338000	2655	3	3	1	2	0	1948	2
53	146	500000	3832	4	3	1	2	0	1952	2
54	159	350000	2274	4	3	1	3	0	1986	2

Obs	style	lotsize	adjhighway	style1	SQ
37	1	21385	0	1	12
38	1	28291	0	1	12
39	1	14752	0	1	12
40	1	9999	0	1	12
41	1	20138	0	1	12
42	1	32519	0	1	12
43	1	70240	0	1	12
44	1	38623	1	1	12
45	1	24764	1	1	12
46	1	71527	1	1	12
47	1	15332	1	1	12
48	1	32914	0	1	12
49	1	21598	0	1	12
50	1	21999	0	1	12
51	1	38722	0	1	12
52	1	21960	0	1	12
53	1	28722	0	1	12
54	1	22049	0	1	12

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
55	161	447500	2526	2	2	1	0	0	1996	2
56	166	330000	2230	3	2	1	2	0	1986	2
57	177	259000	2556	3	2	1	2	0	1957	2
58	185	264000	1788	3	3	0	2	0	1969	2
59	203	520000	2138	5	3	1	3	0	1956	2
60	205	295000	2178	5	3	1	2	0	1958	2
61	218	275900	1860	3	3	1	2	0	1957	2
62	220	295000	1910	4	3	1	2	0	1968	2
63	221	251010	2280	4	2	1	2	0	1956	2
64	229	229900	1922	4	2	1	2	0	1957	2
65	232	208000	2068	3	2	1	2	0	1979	2
66	233	421000	2101	3	3	0	2	0	1956	2
67	234	320000	2200	4	3	1	2	0	1968	2
68	248	239500	2096	3	3	1	2	0	1977	2
69	255	249000	2078	5	3	1	2	0	1965	2
70	263	174500	1840	3	2	1	2	0	1960	2
71	276	183340	2068	3	2	1	3	0	1977	2
72	278	237000	2090	4	2	1	2	0	1969	2

Obs	style	lotsize	adjhighway	style1	SQ
55	1	28248	0	1	12
56	1	24798	0	1	12
57	1	80886	0	1	12
58	1	18484	0	1	12
59	1	86830	0	1	12
60	1	25891	0	1	12
61	1	40741	0	1	12
62	1	30996	0	1	12
63	1	25543	0	1	12
64	1	15791	0	1	12
65	1	34773	0	1	12
66	1	65499	0	1	12
67	1	31450	0	1	12
68	1	15237	0	1	12
69	1	21512	0	1	12
70	1	16356	0	1	12
71	1	24325	0	1	12
72	1	22055	0	1	12

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
73	281	210000	2654	3	5	1	2	0	1962	2
74	282	280000	1802	4	3	1	2	0	1956	2
75	288	204400	2028	3	2	1	2	0	1951	2
76	291	213000	1888	3	2	1	3	0	1958	2
77	294	206000	1824	4	2	1	2	0	1959	2
78	299	156000	1384	2	1	0	2	0	1961	2
79	300	220000	1826	4	3	1	2	0	1952	2
80	301	171500	1681	3	2	1	1	0	1957	2
81	302	180000	1726	3	2	1	2	0	1962	2
82	306	209900	2030	3	3	1	2	0	1959	2
83	309	222500	2120	3	2	1	2	1	1959	2
84	310	265000	2152	4	3	1	2	0	1987	2
85	311	264670	1984	4	3	1	2	0	1966	2
86	312	200750	1575	3	3	1	2	0	1957	2
87	318	222950	2609	4	3	1	2	0	1961	2
88	330	205000	1974	3	2	1	2	0	1954	2
89	331	189000	1696	3	3	1	2	0	1968	2
90	336	188000	1719	2	3	1	2	0	1960	2

Obs	style	lotsize	adjhighway	style1	SQ
73	1	28882	0	1	12
74	1	27700	0	1	12
75	1	26777	0	1	12
76	1	14757	0	1	12
77	1	14748	0	1	12
78	1	26706	0	1	12
79	1	19870	0	1	12
80	1	15985	0	1	12
81	1	26769	0	1	12
82	1	21914	0	1	12
83	1	17883	0	1	12
84	1	26075	0	1	12
85	1	31204	0	1	12
86	1	25543	0	1	12
87	1	26087	0	1	12
88	1	26196	0	1	12
89	1	31851	0	1	12
90	1	22009	0	1	12

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
91	338	230000	2142	3	2	1	2	0	1959	2
92	339	240000	1705	4	2	1	2	0	1972	2
93	345	232500	2080	3	2	1	2	0	1968	2
94	347	275000	2480	3	3	1	2	0	1964	2
95	349	290000	2703	3	3	0	4	0	1963	2
96	355	179975	1762	4	3	1	2	0	1959	2
97	358	194750	1652	5	2	1	2	0	1960	2
98	371	205000	1834	4	3	1	2	0	1959	2
99	372	208000	1984	5	3	1	2	0	1961	2
100	373	225000	1966	4	3	1	2	0	1962	2
101	375	216000	2132	4	3	1	2	0	1976	2
102	382	196000	1956	4	3	1	2	0	1968	2
103	9	195000	1622	3	2	1	2	0	1975	3
104	10	160000	1976	3	3	0	1	0	1918	3
105	39	178000	1460	4	2	1	2	0	1961	3
106	41	165500	1460	3	2	1	2	0	1960	3
107	43	135000	1388	2	1	0	2	0	1951	3
108	44	175000	1624	3	2	1	2	0	1948	3

Obs	style	lotsize	adjhighway	style1	SQ
91	1	22223	0	1	12
92	1	42322	0	1	12
93	1	32021	0	1	12
94	1	22144	0	1	12
95	1	43599	0	1	12
96	1	15742	0	1	12
97	1	24644	0	1	12
98	1	30726	0	1	12
99	1	22047	0	1	12
100	1	24871	0	1	12
101	1	41332	0	1	12
102	1	20486	0	1	12
103	1	14321	0	1	13
104	1	32358	0	1	13
105	1	27095	0	1	13
106	1	22493	0	1	13
107	1	26106	0	1	13
108	1	39219	0	1	13



# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
109	45	149500	1580	2	1	1	2	0	1966	3
110	46	177500	1820	3	2	1	2	0	1960	3
111	50	156000	1436	3	2	0	3	0	1920	3
112	53	112000	1668	2	1	0	1	0	1948	3
113	54	84000	980	1	1	0	1	0	1951	3
114	57	104000	1268	2	1	0	1	0	1947	3
115	65	200000	1774	4	2	0	2	0	1963	3
116	66	147700	1592	3	2	1	2	0	1957	3
117	67	188700	1748	3	2	1	2	0	1972	3
118	68	177000	1985	3	1	0	2	0	1948	3
119	386	169900	1708	3	1	0	1	0	1950	3
120	387	189500	1700	4	2	0	2	0	1953	3
121	388	195000	1742	1	1	1	2	0	1961	3
122	389	215000	1890	4	2	1	2	0	1961	3
123	390	171000	1512	2	1	0	1	0	1956	3
124	391	179900	1840	3	1	0	2	0	1953	3
125	392	120000	1060	2	1	0	2	0	1947	3
126	393	175000	1540	3	2	0	2	0	1957	3

Obs	style	lotsize	adjhighway	style1	SQ
109	1	11166	0	1	13
110	1	22104	0	1	13
111	1	43594	0	1	13
112	1	19612	0	1	13
113	1	17686	0	1	13
114	1	21067	0	1	13
115	1	15528	1	1	13
116	1	11221	1	1	13
117	1	23939	1	1	13
118	1	69975	1	1	13
119	1	11413	0	1	13
120	1	14023	0	1	13
121	1	18250	0	1	13
122	1	22110	0	1	13
123	1	14774	0	1	13
124	1	40832	0	1	13
125	1	15001	0	1	13
126	1	45458	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
127	396	174900	1528	2	2	1	2	0	1982	3
128	399	236000	1940	4	3	1	2	0	1959	3
129	402	205000	1864	3	2	1	2	0	1940	3
130	403	193000	1581	3	2	1	2	0	1956	3
131	405	184000	1592	4	2	0	2	0	1977	3
132	407	255000	1792	2	2	1	2	0	1955	3
133	408	137000	1464	2	1	0	1	0	1957	3
134	409	178000	1702	3	2	0	2	0	1961	3
135	410	296000	2180	3	2	1	2	0	1952	3
136	411	186500	1486	2	2	1	2	0	1958	3
137	412	170000	1364	2	1	0	2	0	1942	3
138	416	175000	1944	3	2	1	2	0	1951	3
139	417	215000	1883	4	2	1	2	1	1956	3
140	419	249900	1916	2	2	1	2	0	1954	3
141	420	180000	1508	2	2	1	2	0	1959	3
142	423	154000	1592	2	1	1	2	0	1951	3
143	424	150000	1636	2	1	1	2	0	1950	3
144	427	182000	1550	3	1	1	2	0	1966	3

Obs	style	lotsize	adjhighway	style1	SQ
127	1	25193	0	1	13
128	1	15073	0	1	13
129	1	25628	0	1	13
130	1	15064	0	1	13
131	1	25943	0	1	13
132	1	31257	0	1	13
133	1	14999	0	1	13
134	1	21898	0	1	13
135	1	29617	0	1	13
136	1	18479	0	1	13
137	1	26369	0	1	13
138	1	43562	0	1	13
139	1	19932	0	1	13
140	1	20576	0	1	13
141	1	32469	0	1	13
142	1	10332	0	1	13
143	1	10000	0	1	13
144	1	15100	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
145	428	187650	1578	3	1	1	2	0	1958	3
146	429	175000	1644	3	1	1	2	0	1956	3
147	431	175000	1672	3	1	1	2	0	1949	3
148	432	159900	1650	2	2	1	1	0	1957	3
149	433	184900	1676	3	2	0	2	0	1956	3
150	434	174900	1960	2	2	0	2	0	1947	3
151	437	173500	1586	3	2	1	1	0	1958	3
152	438	161800	1592	2	1	0	1	0	1951	3
153	439	148000	1514	2	2	1	1	0	1964	3
154	440	177000	1952	4	2	1	2	0	1963	3
155	441	149900	1550	3	1	1	2	0	1956	3
156	442	170000	1544	2	2	0	1	0	1957	3
157	443	142000	1566	3	1	0	1	0	1959	3
158	444	186900	1650	3	2	1	2	0	1961	3
159	445	152900	1392	2	2	0	2	0	1951	3
160	447	130000	1412	2	1	0	1	0	1940	3
161	449	184900	1704	2	2	1	2	0	1954	3
162	451	111000	1276	3	2	0	1	0	1951	3

Obs	style	lotsize	adjhighway	style1	SQ
145	1	14631	0	1	13
146	1	12999	0	1	13
147	1	22617	0	1	13
148	1	14997	0	1	13
149	1	16156	0	1	13
150	1	16953	0	1	13
151	1	15862	0	1	13
152	1	18686	0	1	13
153	1	16209	0	1	13
154	1	24377	0	1	13
155	1	14311	0	1	13
156	1	14942	0	1	13
157	1	15228	0	1	13
158	1	22000	0	1	13
159	1	29199	0	1	13
160	1	16752	0	1	13
161	1	16759	0	1	13
162	1	11554	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
163	452	207000	1666	4	2	0	1	0	1954	3
164	454	230000	1836	3	2	0	2	0	1946	3
165	455	165000	1636	3	1	0	2	0	1953	3
166	456	210000	1748	3	2	1	2	0	1957	3
167	458	149900	1511	4	1	1	1	0	1954	3
168	459	155000	1524	3	2	1	2	0	1958	3
169	460	219900	1821	4	2	1	2	0	1956	3
170	461	132000	1596	1	1	0	0	0	1940	3
171	462	195000	2392	4	2	0	2	0	1960	3
172	463	155900	1748	2	1	1	2	0	1956	3
173	464	119900	1384	2	1	0	0	0	1949	3
174	465	175000	1628	3	1	1	2	1	1957	3
175	466	304000	1911	4	2	1	2	0	1953	3
176	470	173000	1590	2	2	1	2	0	1956	3
177	474	172000	1604	4	2	1	2	0	1954	3
178	475	153200	1592	4	2	0	1	0	1956	3
179	476	220000	1922	3	2	1	2	0	1952	3
180	478	200000	1628	3	1	1	2	0	1959	3

Obs	style	lotsize	adjhighway	style1	SQ
163	1	39523	0	1	13
164	1	46339	0	1	13
165	1	20125	0	1	13
166	1	14512	0	1	13
167	1	14821	0	1	13
168	1	21875	0	1	13
169	1	16696	0	1	13
170	1	28357	0	1	13
171	1	30265	0	1	13
172	1	16231	0	1	13
173	1	30002	0	1	13
174	1	17069	0	1	13
175	1	86248	0	1	13
176	1	22336	0	1	13
177	1	14964	0	1	13
178	1	16396	0	1	13
179	1	33579	0	1	13
180	1	15412	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
181	479	161000	1644	2	2	1	2	0	1956	3
182	480	135000	1450	3	1	1	2	0	1955	3
183	481	190000	1592	3	2	1	2	0	1959	3
184	482	153800	1654	2	1	0	2	0	1962	3
185	483	144900	1388	2	1	1	2	0	1950	3
186	484	165000	1670	3	2	0	2	0	1953	3
187	485	186000	1953	3	2	1	1	0	1956	3
188	486	167000	2008	3	1	1	2	0	1963	3
189	487	189600	1650	3	2	1	2	0	1960	3
190	488	170000	1578	3	1	1	2	0	1975	3
191	489	189500	1618	3	2	1	2	0	1962	3
192	490	153500	1642	3	1	0	2	0	1959	3
193	491	159900	2008	1	2	1	2	0	1941	3
194	492	158000	1604	3	2	1	1	0	1960	3
195	495	155000	1624	2	2	1	2	0	1955	3
196	496	150000	1700	4	2	1	1	0	1954	3
197	498	147000	1526	3	2	1	1	0	1957	3
198	499	146250	1672	3	1	1	2	0	1949	3

Obs	style	lotsize	adjhighway	style1	SQ
181	1	17030	0	1	13
182	1	15868	0	1	13
183	1	22748	0	1	13
184	1	25874	0	1	13
185	1	10568	0	1	13
186	1	18525	0	1	13
187	1	17129	0	1	13
188	1	21860	0	1	13
189	1	34724	0	1	13
190	1	22485	0	1	13
191	1	27539	0	1	13
192	1	14901	0	1	13
193	1	31657	0	1	13
194	1	23534	0	1	13
195	1	16721	0	1	13
196	1	15391	0	1	13
197	1	15007	0	1	13
198	1	22617	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
199	502	199500	1674	4	2	0	2	0	1947	3
200	504	139900	1396	1	1	0	2	0	1950	3
201	505	160000	1178	1	1	0	2	0	1959	3
202	506	125000	1263	2	2	0	0	0	1955	3
203	508	184500	1304	3	1	1	2	0	1951	3
204	509	155000	1340	3	1	0	0	0	1952	3
205	510	150000	1559	2	1	0	2	0	1952	3
206	511	146000	1412	1	2	1	0	0	1920	3
207	512	129000	1198	2	2	1	2	0	1925	3
208	513	145000	1424	2	1	1	2	0	1947	3
209	515	149900	1584	3	2	1	2	0	1957	3
210	517	136900	1409	2	1	0	1	0	1951	3
211	518	137000	1655	2	1	0	1	0	1935	3
212	520	133500	1922	3	1	0	2	0	1950	3
213	521	124000	1480	3	2	1	2	0	1953	3
214	522	95500	1184	2	1	0	1	0	1951	3
215	13	535000	3381	5	4	1	3	0	1988	1
216	14	525000	3459	5	4	1	2	0	1978	1

Obs	style	lotsize	adjhighway	style1	SQ
199	1	33237	0	1	13
200	1	25879	0	1	13
201	1	9941	0	1	13
202	1	12357	0	1	13
203	1	21305	0	1	13
204	1	5666	0	1	13
205	1	23999	0	1	13
206	1	4560	0	1	13
207	1	20918	0	1	13
208	1	16414	0	1	13
209	1	13514	0	1	13
210	1	28421	0	1	13
211	1	54651	0	1	13
212	1	14805	0	1	13
213	1	28351	0	1	13
214	1	14786	0	1	13
215	7	23172	0	2	21
216	5	35351	0	2	21

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
217	69	585000	2558	2	4	1	3	1	1984	1
218	70	549900	4000	6	5	1	3	1	1979	1
219	71	675000	3942	4	3	1	2	0	1990	1
220	72	830000	3889	4	4	1	3	0	1991	1
221	74	855000	4756	4	4	1	3	0	1990	1
222	75	585500	3302	4	3	1	3	0	1982	1
223	76	399000	2629	3	3	1	2	0	1989	1
224	77	790000	4418	5	5	1	3	0	1997	1
225	78	665000	4746	4	4	1	3	0	1996	1
226	82	657500	3877	3	3	1	3	0	1992	1
227	83	578000	3808	5	4	1	3	0	1982	1
228	84	500000	3376	5	4	1	2	0	1947	1
229	85	484530	2940	3	3	1	3	1	1979	1
230	88	519000	3386	4	4	1	3	0	1994	1
231	89	625100	3648	4	4	1	3	0	1992	1
232	90	585444	3455	4	5	1	3	0	1995	1
233	91	399900	3321	3	4	1	3	1	1971	1
234	92	389900	2817	4	3	1	3	0	1996	1

Obs	style	lotsize	adjhighway	style1	SQ
217	3	24601	0	2	21
218	10	23595	0	2	21
219	7	18920	0	2	21
220	7	28378	0	2	21
221	7	22215	0	2	21
222	7	26463	0	2	21
223	9	24778	0	2	21
224	7	22024	0	2	21
225	7	23368	0	2	21
226	7	24639	0	2	21
227	7	23324	0	2	21
228	7	18452	0	2	21
229	7	20639	0	2	21
230	7	24008	0	2	21
231	7	26604	0	2	21
232	7	22468	0	2	21
233	7	15012	0	2	21
234	7	31214	0	2	21

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
235	94	535000	3588	4	5	1	3	0	1987	1
236	97	582500	4264	5	4	1	4	0	1995	1
237	99	480000	3608	6	4	1	3	0	1981	1
238	103	479000	5032	7	3	1	3	0	1989	1
239	104	545000	4973	6	6	1	3	1	1987	1
240	105	335000	2582	4	3	1	2	0	1966	1
241	107	505500	3516	4	4	1	3	0	1979	1
242	109	370000	2936	4	4	1	3	0	1987	1
243	110	529000	3351	5	4	1	3	0	1994	1
244	111	490000	3136	4	4	1	3	0	1989	1
245	112	535000	3525	4	5	1	3	0	1996	1
246	113	612000	3917	6	5	1	3	0	1995	1
247	115	500000	3644	3	4	1	3	0	1984	1
248	117	545500	3233	4	4	1	3	0	1991	1
249	118	424000	2918	4	4	1	3	0	1988	1
250	119	325000	3266	4	3	1	3	0	1985	1
251	120	367000	2940	4	7	1	2	0	1988	1
252	121	470000	3430	3	4	1	2	1	1966	1

Obs	style	lotsize	adjhighway	style1	SQ
235	7	22530	0	2	21
236	7	24983	0	2	21
237	7	25219	0	2	21
238	7	22000	0	2	21
239	7	56139	0	2	21
240	2	23256	0	2	21
241	7	19867	0	2	21
242	7	16437	0	2	21
243	7	24216	0	2	21
244	7	27158	0	2	21
245	7	27501	0	2	21
246	7	37972	0	2	21
247	7	21895	0	2	21
248	7	22961	0	2	21
249	7	22003	0	2	21
250	7	16640	0	2	21
251	7	22003	0	2	21
252	7	25018	0	2	21



# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
253	125	403500	3858	4	4	1	3	0	1987	1
254	128	500000	3836	5	4	1	3	0	1982	1
255	129	465000	4453	7	5	1	2	0	1974	1
256	130	451500	4080	5	4	1	3	0	1983	1
257	131	336000	3301	3	4	1	2	0	1977	1
258	5	275500	2196	4	3	1	2	0	1968	2
259	7	229900	2216	3	2	1	2	0	1972	2
260	16	527000	3232	5	5	1	2	0	1984	2
261	18	335250	2747	3	4	1	2	0	1993	2
262	19	323900	2890	4	3	1	2	0	1954	2
263	21	211000	1578	4	3	1	2	0	1986	2
264	24	140400	1872	3	2	1	2	0	1985	2
265	25	295000	3266	3	3	1	2	0	1908	2
266	29	160000	2208	2	2	1	2	0	1985	2
267	30	259000	3048	6	4	1	3	0	1960	2
268	32	280000	2540	3	2	0	2	0	1940	2
269	33	154000	2208	2	2	1	2	0	1985	2
270	34	272000	2560	4	2	1	3	0	1977	2

Obs	style	lotsize	adjhighway	style1	SQ
253	7	22224	0	2	21
254	5	48465	0	2	21
255	7	15595	0	2	21
256	7	22134	0	2	21
257	3	18741	0	2	21
258	7	21786	0	2	22
259	7	18639	0	2	22
260	6	21445	0	2	22
261	7	22241	0	2	22
262	7	41992	0	2	22
263	2	18829	0	2	22
264	3	24017	0	2	22
265	6	24881	0	2	22
266	7	8058	0	2	22
267	7	29307	0	2	22
268	5	42428	0	2	22
269	7	6746	0	2	22
270	5	36100	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
271	37	242500	3308	5	4	1	2	0	1928	2
272	61	244000	2081	4	2	1	2	0	1980	2
273	62	179900	1696	3	3	1	2	0	1978	2
274	133	450000	2973	4	3	1	2	0	1980	2
275	136	415000	2362	3	3	1	2	0	1977	2
276	137	380000	3092	3	4	1	2	0	1978	2
277	138	489500	2866	4	4	0	2	0	1982	2
278	139	478000	3369	5	4	1	3	0	1981	2
279	140	460000	3068	4	4	1	3	0	1988	2
280	144	675000	3855	4	4	1	3	0	1996	2
281	145	440000	2892	4	4	1	2	0	1977	2
282	147	470000	3164	6	4	1	2	0	1982	2
283	148	317500	2620	3	2	1	3	0	1925	2
284	149	430000	3076	6	4	1	3	0	1984	2
285	150	430000	4022	6	4	1	3	0	1986	2
286	151	475000	3377	4	3	1	3	0	1997	2
287	152	389000	2858	5	4	1	1	0	1989	2
288	153	400000	3540	4	4	1	3	1	1980	2

Obs	style	lotsize	adjhighway	style1	SQ
271	5	47323	0	2	22
272	3	24993	1	2	22
273	2	22294	1	2	22
274	7	21999	0	2	22
275	3	21604	0	2	22
276	3	20081	0	2	22
277	7	22424	0	2	22
278	7	21161	0	2	22
279	7	18289	0	2	22
280	7	35845	0	2	22
281	6	35839	0	2	22
282	7	20505	0	2	22
283	7	12266	0	2	22
284	7	26648	0	2	22
285	7	18429	0	2	22
286	7	22495	0	2	22
287	7	23981	0	2	22
288	7	18012	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
289	154	395000	3045	4	3	1	1	0	1991	2
290	155	395000	4150	4	3	0	3	0	1934	2
291	156	296000	1778	2	2	1	2	0	1991	2
292	157	387500	2412	2	3	1	3	0	1986	2
293	158	353000	2668	4	3	1	2	0	1978	2
294	160	437632	2936	4	3	1	3	0	1980	2
295	162	318500	2449	4	4	1	2	0	1985	2
296	163	352000	3131	4	4	1	2	0	1988	2
297	164	295000	2536	3	3	1	3	0	1987	2
298	165	313500	3314	2	3	1	3	0	1984	2
299	167	400000	2631	4	4	0	2	0	1985	2
300	168	325000	2638	4	3	1	2	0	1978	2
301	169	340000	2756	4	3	1	2	1	1973	2
302	170	399900	3262	5	4	1	2	0	1978	2
303	171	249900	1936	4	4	1	3	0	1987	2
304	172	389000	3148	4	4	1	3	1	1969	2
305	173	364500	2616	3	4	1	2	0	1977	2
306	174	357500	3630	4	3	1	2	0	1969	2

Obs	style	lotsize	adjhighway	style1	SQ
289	7	34356	0	2	22
290	7	21778	0	2	22
291	7	24022	0	2	22
292	3	22676	0	2	22
293	2	18384	0	2	22
294	5	22844	0	2	22
295	3	22075	0	2	22
296	7	15209	0	2	22
297	7	39427	0	2	22
298	7	24339	0	2	22
299	7	44885	0	2	22
300	3	25747	0	2	22
301	7	22546	0	2	22
302	7	25541	0	2	22
303	3	12850	0	2	22
304	7	16587	0	2	22
305	7	32655	0	2	22
306	7	23283	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
307	175	295000	1954	3	3	1	3	1	1962	2
308	176	274500	1926	5	3	1	2	0	1986	2
309	178	415000	2282	5	4	1	2	0	1987	2
310	179	443000	3314	3	4	1	3	0	1986	2
311	180	249000	2001	3	3	1	2	0	1981	2
312	181	330000	2607	5	2	1	2	0	1976	2
313	182	291000	2840	4	4	1	2	0	1965	2
314	183	418000	3036	3	5	0	2	0	1977	2
315	184	320000	2240	4	2	1	3	0	1974	2
316	186	381000	2620	5	4	1	2	0	1965	2
317	187	250000	1480	3	3	1	2	0	1984	2
318	188	360000	2588	3	3	1	2	1	1968	2
319	189	369500	3138	4	4	1	2	0	1969	2
320	190	285400	2460	5	4	1	2	0	1979	2
321	191	409000	3566	4	4	1	2	0	1976	2
322	192	333000	2692	5	4	1	3	0	1984	2
323	193	362000	2958	5	4	1	3	0	1987	2
324	194	387500	3164	4	4	1	2	1	1966	2

Obs	style	lotsize	adjhighway	style1	SQ
307	3	19300	0	2	22
308	7	26418	0	2	22
309	3	23003	0	2	22
310	7	22012	0	2	22
311	3	23812	0	2	22
312	3	23139	0	2	22
313	7	23079	0	2	22
314	7	33746	0	2	22
315	3	18682	0	2	22
316	7	28093	0	2	22
317	3	14230	0	2	22
318	2	19004	0	2	22
319	7	18190	0	2	22
320	7	27492	0	2	22
321	7	18044	0	2	22
322	7	22020	0	2	22
323	7	45200	0	2	22
324	7	23856	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
325	195	239000	2058	3	3	1	2	0	1969	2
326	196	299900	2717	3	4	1	2	0	1983	2
327	197	335000	2920	4	3	1	3	0	1987	2
328	198	275000	2554	5	3	1	2	0	1960	2
329	199	328000	2805	3	4	1	2	0	1988	2
330	200	333000	2736	4	3	1	2	1	1979	2
331	201	397000	3516	5	7	1	3	0	1996	2
332	202	374800	3536	6	4	1	2	1	1978	2
333	204	325000	2718	4	4	1	3	0	1978	2
334	206	415000	3152	5	4	1	2	0	1980	2
335	207	224900	2611	3	3	1	2	0	1987	2
336	208	265000	2060	4	3	1	2	0	1981	2
337	209	299900	2448	4	4	1	3	0	1979	2
338	210	390000	4050	6	5	1	2	1	1966	2
339	211	271000	2414	3	3	1	2	0	1914	2
340	212	330000	3072	4	3	1	2	0	1966	2
341	213	350000	2525	3	3	1	3	0	1983	2
342	214	310000	2866	5	3	1	3	0	1961	2

Obs	style	lotsize	adjhighway	style1	SQ
325	2	21046	0	2	22
326	7	22083	0	2	22
327	7	22434	0	2	22
328	7	21820	0	2	22
329	7	22582	0	2	22
330	7	29591	0	2	22
331	7	34795	0	2	22
332	7	19997	0	2	22
333	6	22842	0	2	22
334	6	24446	0	2	22
335	7	6924	0	2	22
336	2	13091	0	2	22
337	7	26790	0	2	22
338	7	18262	0	2	22
339	7	24357	0	2	22
340	7	16431	0	2	22
341	4	27138	0	2	22
342	7	25249	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
343	215	340000	3246	4	4	1	3	0	1987	2
344	216	307000	2707	4	4	1	2	0	1992	2
345	217	304000	2300	5	3	1	2	0	1961	2
346	219	315000	3636	5	3	1	2	0	1976	2
347	222	335000	3386	4	5	0	2	0	1965	2
348	223	343500	2324	5	4	1	3	0	1967	2
349	224	297000	1970	4	3	1	2	0	1972	2
350	225	281000	2062	3	3	1	2	1	1977	2
351	226	235000	2617	4	3	1	2	0	1985	2
352	227	237000	2612	4	3	1	2	0	1985	2
353	228	274900	2472	3	3	1	2	0	1969	2
354	230	259000	1852	3	2	1	2	0	1984	2
355	231	245000	2239	3	3	1	2	0	1986	2
356	235	256000	1972	3	3	0	2	0	1989	2
357	236	275000	2007	3	3	1	2	1	1959	2
358	237	222000	2612	4	3	1	2	0	1985	2
359	238	249900	2124	4	1	1	3	0	1974	2
360	239	273500	2612	4	3	1	2	0	1985	2

Obs	style	lotsize	adjhighway	style1	SQ
343	7	52218	0	2	22
344	7	22094	0	2	22
345	3	35824	0	2	22
346	7	19776	0	2	22
347	7	38428	0	2	22
348	3	22435	0	2	22
349	3	25814	0	2	22
350	2	23608	0	2	22
351	7	8903	0	2	22
352	7	10144	0	2	22
353	7	22451	0	2	22
354	3	22204	0	2	22
355	3	22216	0	2	22
356	3	32027	0	2	22
357	3	21311	0	2	22
358	7	8229	0	2	22
359	2	21834	0	2	22
360	7	8924	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
361	240	218500	2548	2	2	1	2	0	1984	2
362	241	377000	2767	3	3	1	3	0	1941	2
363	242	220000	2025	3	3	1	2	0	1989	2
364	243	192900	1956	4	2	1	2	0	1962	2
365	244	298750	2460	4	3	1	2	0	1967	2
366	245	315000	2764	3	3	1	3	0	1972	2
367	246	315000	2004	4	3	1	2	0	1967	2
368	247	465900	2852	4	3	1	2	1	1961	2
369	249	276000	2330	3	3	1	2	0	1989	2
370	250	226000	2520	4	3	1	2	0	1978	2
371	251	235000	2528	3	3	1	2	0	1977	2
372	252	247000	2030	4	3	1	3	0	1988	2
373	253	182000	2208	2	2	1	2	0	1985	2
374	254	180000	1500	2	1	1	0	0	1938	2
375	256	260000	2442	4	3	1	2	0	1969	2
376	257	219900	2612	3	3	1	2	0	1986	2
377	258	295000	2268	4	3	1	3	0	1972	2
378	259	290000	2734	4	3	1	2	0	1971	2

Obs	style	lotsize	adjhighway	style1	SQ
361	3	10210	0	2	22
362	4	75232	0	2	22
363	3	19618	0	2	22
364	2	21779	0	2	22
365	3	23907	0	2	22
366	7	23947	0	2	22
367	3	24453	0	2	22
368	7	34040	0	2	22
369	7	17433	0	2	22
370	7	12145	0	2	22
371	3	26469	0	2	22
372	3	23202	0	2	22
373	7	6734	0	2	22
374	3	39776	0	2	22
375	2	21149	0	2	22
376	7	11288	0	2	22
377	2	23976	0	2	22
378	7	23488	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
379	260	300000	2228	4	3	1	2	0	1982	2
380	261	354900	3000	5	4	1	3	0	1973	2
381	262	261000	2404	5	3	1	3	1	1973	2
382	264	244900	2107	3	2	0	2	0	1947	2
383	265	274900	2788	4	3	1	2	0	1984	2
384	266	214000	2416	3	3	1	2	0	1984	2
385	267	283000	2430	3	4	1	3	0	1984	2
386	268	177900	1584	3	2	1	2	0	1989	2
387	269	237500	1873	3	3	1	2	0	1978	2
388	270	202150	1644	4	3	1	2	0	1976	2
389	271	235000	2400	4	3	1	2	0	1976	2
390	272	217000	2094	4	3	1	2	0	1984	2
391	273	285000	2561	3	3	1	3	0	1981	2
392	274	217500	1752	3	2	1	2	0	1976	2
393	275	210000	1738	5	3	1	2	0	1983	2
394	277	252000	2428	4	3	1	2	0	1966	2
395	279	205000	1820	3	2	1	2	0	1944	2
396	280	285000	3219	4	4	1	2	0	1944	2

Obs	style	lotsize	adjhighway	style1	SQ
379	3	21232	0	2	22
380	7	21643	0	2	22
381	2	17791	0	2	22
382	6	30050	0	2	22
383	7	18960	0	2	22
384	3	15594	0	2	22
385	6	18164	0	2	22
386	2	13947	0	2	22
387	3	21998	0	2	22
388	2	19499	0	2	22
389	7	44347	0	2	22
390	3	18617	0	2	22
391	7	18985	0	2	22
392	2	24053	0	2	22
393	3	15206	0	2	22
394	7	22727	0	2	22
395	2	28023	0	2	22
396	6	28200	0	2	22



# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
397	283	207000	1765	3	2	1	2	0	1976	2
398	284	221000	2786	4	3	1	2	0	1976	2
399	285	257000	1794	3	2	1	2	0	1960	2
400	286	274000	2768	3	3	0	2	0	1921	2
401	287	262000	2288	3	2	1	2	0	1963	2
402	289	254900	2620	5	3	1	2	0	1966	2
403	290	244000	1644	3	3	1	2	0	1980	2
404	292	240000	2116	4	3	1	2	0	1964	2
405	293	235000	2313	4	3	1	2	0	1972	2
406	295	237000	1942	4	3	1	2	0	1972	2
407	296	274000	2184	4	3	1	2	0	1977	2
408	297	275000	2578	3	3	1	2	0	1965	2
409	298	218400	2036	4	3	1	2	0	1960	2
410	303	204000	1910	3	2	1	2	0	1958	2
411	304	307000	2664	4	3	1	2	0	1962	2
412	305	265000	2116	3	3	1	2	0	1976	2
413	307	173000	1940	3	2	0	2	0	1956	2
414	308	189000	1676	3	3	0	2	0	1965	2

Obs	style	lotsize	adjhighway	style1	SQ
397	2	22983	0	2	22
398	7	22875	0	2	22
399	3	21691	0	2	22
400	7	26268	0	2	22
401	3	16975	0	2	22
402	7	27989	0	2	22
403	2	32164	0	2	22
404	7	22041	0	2	22
405	7	24705	0	2	22
406	2	23105	0	2	22
407	3	19090	0	2	22
408	7	22299	0	2	22
409	7	21996	0	2	22
410	3	15423	0	2	22
411	7	22684	0	2	22
412	2	33344	0	2	22
413	3	11610	0	2	22
414	3	21780	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
415	313	227900	1798	3	3	1	2	0	1978	2
416	314	255000	2017	3	1	0	1	0	1958	2
417	315	208500	1904	3	3	1	2	0	1978	2
418	316	226900	1718	3	3	1	2	0	1976	2
419	317	215000	1776	4	2	0	1	0	1980	2
420	319	239900	2226	3	3	1	2	0	1955	2
421	320	176000	1556	2	1	1	3	0	1959	2
422	321	228000	1764	2	2	1	2	0	1985	2
423	322	204900	1626	3	3	1	2	1	1968	2
424	323	258000	2012	5	3	1	2	0	1967	2
425	324	241850	2090	4	4	1	2	0	1963	2
426	325	198500	2192	4	2	1	2	0	1963	2
427	326	243000	2228	4	4	1	2	0	1965	2
428	327	187000	1825	4	2	1	2	0	1963	2
429	328	233000	2132	4	3	1	2	0	1966	2
430	329	205000	2160	3	2	1	2	0	1983	2
431	332	204900	2132	3	3	1	2	0	1969	2
432	333	239000	1814	4	3	1	2	1	1979	2

Obs	style	lotsize	adjhighway	style1	SQ
415	2	17820	0	2	22
416	3	86571	0	2	22
417	2	15559	0	2	22
418	2	49613	0	2	22
419	2	22839	0	2	22
420	2	13520	0	2	22
421	3	15623	0	2	22
422	3	8105	0	2	22
423	2	15288	0	2	22
424	2	21303	0	2	22
425	7	22010	0	2	22
426	2	22851	0	2	22
427	7	21881	0	2	22
428	2	15810	0	2	22
429	2	17159	0	2	22
430	7	16555	0	2	22
431	7	23986	0	2	22
432	2	24698	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
433	334	193000	1796	3	2	1	2	0	1963	2
434	335	260000	2268	5	3	1	2	0	1971	2
435	337	190500	1704	3	2	1	2	0	1984	2
436	340	235000	1752	4	3	1	2	0	1978	2
437	341	275000	2554	5	3	1	2	1	1966	2
438	342	205000	1650	3	2	1	2	0	1965	2
439	343	280000	2816	5	3	1	2	0	1946	2
440	344	190000	1919	3	4	1	2	0	1938	2
441	346	259500	2108	4	4	1	2	0	1978	2
442	348	183900	1746	3	2	1	2	0	1974	2
443	350	217950	1640	4	2	1	2	0	1979	2
444	351	220000	2196	4	3	1	2	0	1972	2
445	352	185000	1701	3	2	1	1	0	1982	2
446	353	288000	2250	3	2	1	2	0	1949	2
447	354	197500	2502	4	2	1	2	0	1964	2
448	356	195000	2016	4	3	1	2	0	1963	2
449	357	228400	1904	3	3	1	2	1	1976	2
450	359	195000	2042	4	3	0	2	0	1963	2

Obs	style	lotsize	adjhighway	style1	SQ
433	2	29281	0	2	22
434	3	35240	0	2	22
435	3	22583	0	2	22
436	2	39267	0	2	22
437	7	22381	0	2	22
438	3	27235	0	2	22
439	5	29109	0	2	22
440	7	20093	0	2	22
441	7	24685	0	2	22
442	2	52136	0	2	22
443	3	21314	0	2	22
444	7	17899	0	2	22
445	2	21938	0	2	22
446	4	23684	0	2	22
447	6	23749	0	2	22
448	2	18102	0	2	22
449	2	14945	0	2	22
450	2	21849	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
451	360	210000	2019	4	3	1	3	0	1960	2
452	361	239550	2791	5	3	1	3	0	1946	2
453	362	242000	2514	4	3	1	1	0	1953	2
454	363	185000	1746	3	2	1	2	0	1984	2
455	364	175000	1930	3	2	1	2	0	1956	2
456	365	165000	1552	3	1	1	3	0	1959	2
457	366	185000	1566	4	2	1	2	0	1993	2
458	367	173194	1669	3	2	1	2	0	1964	2
459	368	205150	1814	3	3	1	2	0	1978	2
460	369	214200	1794	3	3	1	3	0	1976	2
461	370	182500	1691	3	2	1	2	1	1968	2
462	374	170000	1669	3	2	1	2	0	1967	2
463	376	180000	2007	4	3	1	2	0	1959	2
464	377	169200	1964	4	2	1	2	0	1964	2
465	378	213000	2325	4	3	1	3	0	1973	2
466	379	210000	2196	4	3	1	2	0	1965	2
467	380	185000	2061	3	2	1	2	0	1956	2
468	381	179900	1828	3	2	1	2	0	1956	2

Obs	style	lotsize	adjhighway	style1	SQ
451	2	14837	0	2	22
452	4	22863	0	2	22
453	5	17535	0	2	22
454	3	12386	0	2	22
455	2	15923	0	2	22
456	3	27068	0	2	22
457	2	13504	0	2	22
458	2	24643	0	2	22
459	2	18714	0	2	22
460	2	24308	0	2	22
461	2	21961	0	2	22
462	2	21253	0	2	22
463	3	15992	0	2	22
464	7	18162	0	2	22
465	3	16699	0	2	22
466	7	29329	0	2	22
467	2	25379	0	2	22
468	3	37150	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
469	383	219900	1852	6	3	1	2	0	1968	2
470	384	159900	1795	1	2	1	2	0	1980	2
471	11	190000	2812	7	5	0	2	1	1966	3
472	38	182000	2616	5	3	0	2	0	1955	3
473	40	171900	1580	2	1	0	1	0	1951	3
474	42	183500	1540	3	2	1	2	0	1992	3
475	47	155000	1733	4	1	1	1	0	1936	3
476	48	145000	1896	3	2	0	2	0	1925	3
477	49	178000	2038	2	2	0	2	0	1918	3
478	51	159000	1690	3	2	0	1	0	1922	3
479	52	160000	1496	2	2	0	1	0	1900	3
480	55	155000	2562	3	2	0	2	0	1885	3
481	385	170000	1580	2	1	0	1	0	1950	3
482	394	232900	1550	4	2	1	2	1	1962	3
483	395	229900	2787	4	2	1	1	0	1922	3
484	397	168900	1928	2	2	0	2	0	1941	3
485	398	229500	2329	3	2	1	2	0	1960	3
486	400	205500	2114	5	2	1	2	0	1966	3

Obs	style	lotsize	adjhighway	style1	SQ
469	2	20800	0	2	22
470	11	26467	0	2	22
471	7	56639	0	2	23
472	5	11123	0	2	23
473	4	12417	0	2	23
474	3	15801	0	2	23
475	4	22398	0	2	23
476	6	32753	0	2	23
477	7	47884	0	2	23
478	5	28518	0	2	23
479	5	43335	0	2	23
480	7	40800	0	2	23
481	5	10799	0	2	23
482	2	14998	0	2	23
483	5	39558	0	2	23
484	5	26393	0	2	23
485	7	28179	0	2	23
486	7	14526	0	2	23

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
487	401	212000	1799	3	2	1	2	0	1962	3
488	404	180000	1652	3	2	1	2	0	1959	3
489	406	144900	1520	3	1	0	1	0	1953	3
490	413	219000	1540	4	2	1	2	0	1977	3
491	414	188000	1608	4	2	1	2	0	1969	3
492	415	195250	1668	3	1	1	2	0	1956	3
493	418	197500	2215	4	1	0	2	0	1948	3
494	421	174900	1809	3	1	1	2	0	1958	3
495	422	189900	1958	4	3	0	2	0	1935	3
496	425	189900	1800	3	2	0	2	0	1964	3
497	426	157000	1600	3	1	0	2	0	1950	3
498	430	189900	1556	3	2	1	1	0	1959	3
499	435	143000	1649	3	1	1	1	0	1951	3
500	436	164900	1728	3	1	1	1	0	1950	3
501	446	350000	2981	5	4	1	2	0	1950	3
502	448	167900	2180	4	2	0	2	0	1948	3
503	450	178000	1600	3	2	1	2	0	1957	3
504	453	190000	1760	3	2	1	2	0	1974	3

Obs	style	lotsize	adjhighway	style1	SQ
487	2	16210	0	2	23
488	3	21875	0	2	23
489	4	36359	0	2	23
490	2	30691	0	2	23
491	2	19380	0	2	23
492	3	17060	0	2	23
493	6	25540	0	2	23
494	2	16782	0	2	23
495	5	22788	0	2	23
496	2	13566	0	2	23
497	5	10807	0	2	23
498	3	19840	0	2	23
499	5	20096	0	2	23
500	4	10999	0	2	23
501	6	49756	0	2	23
502	3	15001	0	2	23
503	3	15090	0	2	23
504	2	20193	0	2	23

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
505	457	226000	2556	4	2	0	2	0	1923	3
506	467	190000	1624	4	3	0	1	0	1959	3
507	468	229100	1956	3	2	1	2	1	1984	3
508	469	187500	2012	4	2	0	2	0	1953	3
509	471	170000	1687	2	1	1	1	0	1941	3
510	472	179000	1816	4	1	1	2	0	1956	3
511	473	162500	1622	3	1	1	1	0	1956	3
512	477	174000	1892	3	1	1	1	0	1955	3
513	493	175000	2035	4	2	1	3	0	1962	3
514	494	147000	1534	3	2	0	1	0	1955	3
515	497	165000	1630	3	2	1	2	0	1978	3
516	500	177500	1588	4	2	1	2	0	1980	3
517	501	153650	1752	4	2	1	2	0	1950	3
518	503	186000	1980	3	1	0	1	0	1927	3
519	507	359900	2377	5	2	1	2	0	1937	3
520	514	200000	1370	4	1	0	1	0	1925	3
521	516	132000	1567	2	1	1	1	0	1934	3
522	519	185000	1944	3	2	1	2	0	1939	3

Obs	style	lotsize	adjhighway	style1	SQ
505	6	36276	0	2	23
506	3	15002	0	2	23
507	6	14710	0	2	23
508	5	14925	0	2	23
509	4	20925	0	2	23
510	3	16508	0	2	23
511	3	16120	0	2	23
512	3	14712	0	2	23
513	7	20131	0	2	23
514	3	15361	0	2	23
515	2	24963	0	2	23
516	2	21925	0	2	23
517	6	9126	0	2	23
518	6	47679	0	2	23
519	6	51005	0	2	23
520	4	8000	0	2	23
521	4	12249	0	2	23
522	6	17999	0	2	23

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
1	12	559000	2791	3	4	1	3	0	1992	1
2	58	420000	2283	3	3	1	3	0	1997	1
3	73	920000	3857	4	5	1	3	0	1997	1
4	79	725000	3242	3	3	1	3	0	1989	1
5	80	647000	2464	3	3	1	3	0	1992	1
6	81	780000	4419	4	5	1	7	0	1987	1
7	86	609000	2654	5	3	1	3	0	1997	1
8	87	635000	2672	4	3	1	3	0	1995	1
9	93	649000	3210	3	5	1	3	0	1995	1
10	95	640000	2705	3	3	1	3	0	1994	1
11	96	600000	2344	4	3	1	2	0	1925	1
12	98	545000	2615	3	3	1	3	0	1996	1
13	100	595000	2479	4	4	1	3	0	1989	1
14	101	610000	3251	3	4	1	3	1	1985	1
15	102	570000	2547	2	3	1	3	0	1996	1
16	106	629000	3139	6	4	1	2	1	1977	1
17	108	528750	2129	0	0	1	3	0	1992	1
18	114	442500	2702	4	3	1	3	0	1991	1

Obs	style	lotsize	adjhighway	style1	SQ
1	1	30595	0	1	11
2	1	18524	1	1	11
3	1	32793	0	1	11
4	1	27173	0	1	11
5	1	31703	0	1	11
6	1	56127	0	1	11
7	1	12821	0	1	11
8	1	28049	0	1	11
9	1	30033	0	1	11
10	1	22196	0	1	11
11	1	86004	0	1	11
12	1	21722	0	1	11
13	1	29805	0	1	11
14	1	25570	0	1	11
15	1	21789	0	1	11
16	1	21810	0	1	11
17	1	37414	0	1	11
18	1	39643	0	1	11



# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
19	116	539000	3072	4	4	1	3	0	1992	1
20	122	393000	2472	4	4	1	3	0	1987	1
21	123	530000	2878	4	4	1	3	0	1992	1
22	124	400000	2537	3	3	1	2	0	1993	1
23	126	550000	2742	3	3	1	3	0	1991	1
24	127	380000	3460	5	4	1	2	0	1972	1
25	132	550000	3828	4	5	1	2	1	1975	1
26	1	360000	3032	4	4	1	2	0	1972	2
27	2	340000	2058	4	2	1	2	0	1976	2
28	3	250000	1780	4	3	1	2	0	1980	2
29	4	205500	1638	4	2	1	2	0	1963	2
30	6	248000	1966	4	3	1	5	1	1972	2
31	8	150000	1597	2	1	1	1	0	1955	2
32	15	299900	2090	3	3	1	2	0	1987	2
33	17	169900	1502	2	2	1	2	0	1956	2
34	20	200000	1825	3	3	1	2	0	1957	2
35	22	212000	1763	3	3	1	2	0	1959	2
36	23	245000	2517	4	3	1	2	0	1965	2

Obs	style	lotsize	adjhighway	style1	SQ
19	1	25158	0	1	11
20	1	21784	0	1	11
21	1	68351	0	1	11
22	1	11053	0	1	11
23	1	22306	0	1	11
24	1	18571	0	1	11
25	1	17051	0	1	11
26	1	22221	0	1	12
27	1	22912	0	1	12
28	1	21345	0	1	12
29	1	17342	0	1	12
30	1	18902	0	1	12
31	1	22112	0	1	12
32	1	24025	0	1	12
33	1	28958	0	1	12
34	1	30266	0	1	12
35	1	24726	0	1	12
36	1	23261	0	1	12

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
37	26	170900	2020	1	2	1	1	0	1956	2
38	27	229000	2164	4	2	1	2	0	1965	2
39	28	218500	2080	3	2	1	2	1	1959	2
40	31	164500	1460	3	2	1	2	0	1978	2
41	35	180000	2061	4	2	0	2	0	1958	2
42	36	157500	1980	3	2	1	2	0	1957	2
43	56	360000	2304	5	4	1	3	0	1978	2
44	59	355000	2060	2	3	1	2	0	1997	2
45	60	165000	2087	2	2	1	2	0	1966	2
46	63	253000	2222	4	2	0	2	0	1955	2
47	64	200000	2110	5	3	1	2	0	1957	2
48	134	440000	2821	5	4	1	2	1	1962	2
49	135	515000	2950	5	3	1	2	0	1969	2
50	141	379900	2380	3	3	1	3	0	1998	2
51	9	195000	1622	3	2	1	2	0	1975	3
52	10	160000	1976	3	3	0	1	0	1918	3
53	39	178000	1460	4	2	1	2	0	1961	3
54	41	165500	1460	3	2	1	2	0	1960	3

Obs	style	lotsize	adjhighway	style1	SQ
37	1	21385	0	1	12
38	1	28291	0	1	12
39	1	14752	0	1	12
40	1	9999	0	1	12
41	1	20138	0	1	12
42	1	32519	0	1	12
43	1	70240	0	1	12
44	1	38623	1	1	12
45	1	24764	1	1	12
46	1	71527	1	1	12
47	1	15332	1	1	12
48	1	32914	0	1	12
49	1	21598	0	1	12
50	1	21999	0	1	12
51	1	14321	0	1	13
52	1	32358	0	1	13
53	1	27095	0	1	13
54	1	22493	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
55	43	135000	1388	2	1	0	2	0	1951	3
56	44	175000	1624	3	2	1	2	0	1948	3
57	45	149500	1580	2	1	1	2	0	1966	3
58	46	177500	1820	3	2	1	2	0	1960	3
59	50	156000	1436	3	2	0	3	0	1920	3
60	53	112000	1668	2	1	0	1	0	1948	3
61	54	84000	980	1	1	0	1	0	1951	3
62	57	104000	1268	2	1	0	1	0	1947	3
63	65	200000	1774	4	2	0	2	0	1963	3
64	66	147700	1592	3	2	1	2	0	1957	3
65	67	188700	1748	3	2	1	2	0	1972	3
66	68	177000	1985	3	1	0	2	0	1948	3
67	386	169900	1708	3	1	0	1	0	1950	3
68	387	189500	1700	4	2	0	2	0	1953	3
69	388	195000	1742	1	1	1	2	0	1961	3
70	389	215000	1890	4	2	1	2	0	1961	3
71	390	171000	1512	2	1	0	1	0	1956	3
72	391	179900	1840	3	1	0	2	0	1953	3

Obs	style	lotsize	adjhighway	style1	SQ
55	1	26106	0	1	13
56	1	39219	0	1	13
57	1	11166	0	1	13
58	1	22104	0	1	13
59	1	43594	0	1	13
60	1	19612	0	1	13
61	1	17686	0	1	13
62	1	21067	0	1	13
63	1	15528	1	1	13
64	1	11221	1	1	13
65	1	23939	1	1	13
66	1	69975	1	1	13
67	1	11413	0	1	13
68	1	14023	0	1	13
69	1	18250	0	1	13
70	1	22110	0	1	13
71	1	14774	0	1	13
72	1	40832	0	1	13

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
73	392	120000	1060	2	1	0	2	0	1947	3
74	393	175000	1540	3	2	0	2	0	1957	3
75	396	174900	1528	2	2	1	2	0	1982	3
76	13	535000	3381	5	4	1	3	0	1988	1
77	14	525000	3459	5	4	1	2	0	1978	1
78	69	585000	2558	2	4	1	3	1	1984	1
79	70	549900	4000	6	5	1	3	1	1979	1
80	71	675000	3942	4	3	1	2	0	1990	1
81	72	830000	3889	4	4	1	3	0	1991	1
82	74	855000	4756	4	4	1	3	0	1990	1
83	75	585500	3302	4	3	1	3	0	1982	1
84	76	399000	2629	3	3	1	2	0	1989	1
85	77	790000	4418	5	5	1	3	0	1997	1
86	78	665000	4746	4	4	1	3	0	1996	1
87	82	657500	3877	3	3	1	3	0	1992	1
88	83	578000	3808	5	4	1	3	0	1982	1
89	84	500000	3376	5	4	1	2	0	1947	1
90	85	484530	2940	3	3	1	3	1	1979	1

Obs	style	lotsize	adjhighway	style1	SQ
73	1	15001	0	1	13
74	1	45458	0	1	13
75	1	25193	0	1	13
76	7	23172	0	2	21
77	5	35351	0	2	21
78	3	24601	0	2	21
79	10	23595	0	2	21
80	7	18920	0	2	21
81	7	28378	0	2	21
82	7	22215	0	2	21
83	7	26463	0	2	21
84	9	24778	0	2	21
85	7	22024	0	2	21
86	7	23368	0	2	21
87	7	24639	0	2	21
88	7	23324	0	2	21
89	7	18452	0	2	21
90	7	20639	0	2	21

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
91	88	519000	3386	4	4	1	3	0	1994	1
92	89	625100	3648	4	4	1	3	0	1992	1
93	90	585444	3455	4	5	1	3	0	1995	1
94	91	399900	3321	3	4	1	3	1	1971	1
95	92	389900	2817	4	3	1	3	0	1996	1
96	94	535000	3588	4	5	1	3	0	1987	1
97	97	582500	4264	5	4	1	4	0	1995	1
98	99	480000	3608	6	4	1	3	0	1981	1
99	103	479000	5032	7	3	1	3	0	1989	1
100	104	545000	4973	6	6	1	3	1	1987	1
101	5	275500	2196	4	3	1	2	0	1968	2
102	7	229900	2216	3	2	1	2	0	1972	2
103	16	527000	3232	5	5	1	2	0	1984	2
104	18	335250	2747	3	4	1	2	0	1993	2
105	19	323900	2890	4	3	1	2	0	1954	2
106	21	211000	1578	4	3	1	2	0	1986	2
107	24	140400	1872	3	2	1	2	0	1985	2
108	25	295000	3266	3	3	1	2	0	1908	2

Obs	style	lotsize	adjhighway	style1	SQ
91	7	24008	0	2	21
92	7	26604	0	2	21
93	7	22468	0	2	21
94	7	15012	0	2	21
95	7	31214	0	2	21
96	7	22530	0	2	21
97	7	24983	0	2	21
98	7	25219	0	2	21
99	7	22000	0	2	21
100	7	56139	0	2	21
101	7	21786	0	2	22
102	7	18639	0	2	22
103	6	21445	0	2	22
104	7	22241	0	2	22
105	7	41992	0	2	22
106	2	18829	0	2	22
107	3	24017	0	2	22
108	6	24881	0	2	22

# Histogram of Residuals

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Obs	id	SaleP	FinishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
109	29	160000	2208	2	2	1	2	0	1985	2
110	30	259000	3048	6	4	1	3	0	1960	2
111	32	280000	2540	3	2	0	2	0	1940	2
112	33	154000	2208	2	2	1	2	0	1985	2
113	34	272000	2560	4	2	1	3	0	1977	2
114	37	242500	3308	5	4	1	2	0	1928	2
115	61	244000	2081	4	2	1	2	0	1980	2
116	62	179900	1696	3	3	1	2	0	1978	2
117	133	450000	2973	4	3	1	2	0	1980	2
118	136	415000	2362	3	3	1	2	0	1977	2
119	137	380000	3092	3	4	1	2	0	1978	2
120	138	489500	2866	4	4	0	2	0	1982	2
121	139	478000	3369	5	4	1	3	0	1981	2
122	140	460000	3068	4	4	1	3	0	1988	2
123	144	675000	3855	4	4	1	3	0	1996	2
124	145	440000	2892	4	4	1	2	0	1977	2
125	147	470000	3164	6	4	1	2	0	1982	2
126	11	190000	2812	7	5	0	2	1	1966	3

Obs	style	lotsize	adjhighway	style1	SQ
109	7	8058	0	2	22
110	7	29307	0	2	22
111	5	42428	0	2	22
112	7	6746	0	2	22
113	5	36100	0	2	22
114	5	47323	0	2	22
115	3	24993	1	2	22
116	2	22294	1	2	22
117	7	21999	0	2	22
118	3	21604	0	2	22
119	3	20081	0	2	22
120	7	22424	0	2	22
121	7	21161	0	2	22
122	7	18289	0	2	22
123	7	35845	0	2	22
124	6	35839	0	2	22
125	7	20505	0	2	22
126	7	56639	0	2	23

# Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
127	38	182000	2616	5	3	0	2	0	1955	3
128	40	171900	1580	2	1	0	1	0	1951	3
129	42	183500	1540	3	2	1	2	0	1992	3
130	47	155000	1733	4	1	1	1	0	1936	3
131	48	145000	1896	3	2	0	2	0	1925	3
132	49	178000	2038	2	2	0	2	0	1918	3
133	51	159000	1690	3	2	0	1	0	1922	3
134	52	160000	1496	2	2	0	1	0	1900	3
135	55	155000	2562	3	2	0	2	0	1885	3
136	385	170000	1580	2	1	0	1	0	1950	3
137	394	232900	1550	4	2	1	2	1	1962	3
138	395	229900	2787	4	2	1	1	0	1922	3
139	397	168900	1928	2	2	0	2	0	1941	3
140	398	229500	2329	3	2	1	2	0	1960	3
141	400	205500	2114	5	2	1	2	0	1966	3
142	401	212000	1799	3	2	1	2	0	1962	3
143	404	180000	1652	3	2	1	2	0	1959	3
144	406	144900	1520	3	1	0	1	0	1953	3

Obs	style	lotsize	adjhighway	style1	SQ
127	5	11123	0	2	23
128	4	12417	0	2	23
129	3	15801	0	2	23
130	4	22398	0	2	23
131	6	32753	0	2	23
132	7	47884	0	2	23
133	5	28518	0	2	23
134	5	43335	0	2	23
135	7	40800	0	2	23
136	5	10799	0	2	23
137	2	14998	0	2	23
138	5	39558	0	2	23
139	5	26393	0	2	23
140	7	28179	0	2	23
141	7	14526	0	2	23
142	2	16210	0	2	23
143	3	21875	0	2	23
144	4	36359	0	2	23

## Histogram of Residuals

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Obs	id	SaleP	FinsishedSqF	noofbed	noofbath	aircond	garagesize	pool	yearbuilt	quality
145	413	219000	1540	4	2	1	2	0	1977	3
146	414	188000	1608	4	2	1	2	0	1969	3
147	415	195250	1668	3	1	1	2	0	1956	3
148	418	197500	2215	4	1	0	2	0	1948	3
149	421	174900	1809	3	1	1	2	0	1958	3
150	422	189900	1958	4	3	0	2	0	1935	3

Obs	style	lotsize	adjhighway	style1	SQ
145	2	30691	0	2	23
146	2	19380	0	2	23
147	3	17060	0	2	23
148	6	25540	0	2	23
149	2	16782	0	2	23
150	5	22788	0	2	23



## The GLM Procedure

Class Level Information		
Class	Levels	Values
quality	3	1 2 3
style1	2	1 2

Number of Observations Read	150
Number of Observations Used	150

## The GLM Procedure

Dependent Variable: SaleP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	4.3178171E12	863563428712	86.77	<.0001
Error	144	1.4331467E12	9952407796.1		
Corrected Total	149	5.7509639E12			

R-Square	Coeff Var	Root MSE	SaleP Mean
0.750799	28.57432	99761.76	349130.8

Source	DF	Type I SS	Mean Square	F Value	Pr > F
quality	2	4.2385989E12	2.1192994E12	212.94	<.0001
style1	1	36808019175	36808019175	3.70	0.0564
quality*style1	2	42410254777	21205127389	2.13	0.1225

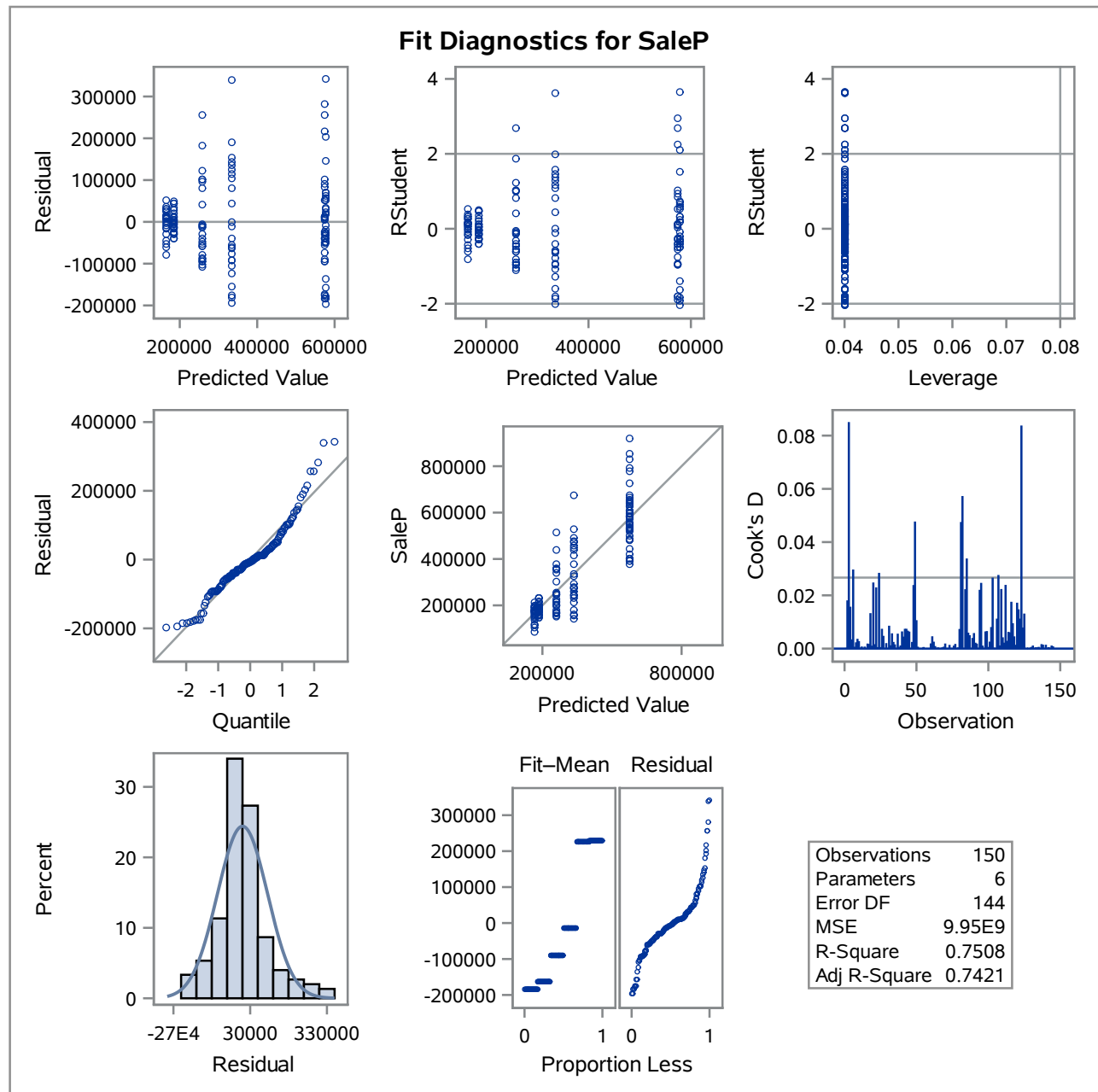
Source	DF	Type III SS	Mean Square	F Value	Pr > F
quality	2	4.2385989E12	2.1192994E12	212.94	<.0001
style1	1	36808019175	36808019175	3.70	0.0564
quality*style1	2	42410254777	21205127389	2.13	0.1225

Parameter	Estimate		Standard Error	t Value	Pr >  t
Intercept	184702.0000	B	19952.35104	9.26	<.0001
quality 1	389508.9600	B	28216.88544	13.80	<.0001
quality 2	150772.0000	B	28216.88544	5.34	<.0001
quality 3	0.0000	B	.	.	.
style1 1	-20898.0000	B	28216.88544	-0.74	0.4601
style1 2	0.0000	B	.	.	.
quality*style1 1 1	24537.0400	B	39904.70207	0.61	0.5396
quality*style1 1 2	0.0000	B	.	.	.
quality*style1 2 1	-55832.0000	B	39904.70207	-1.40	0.1639
quality*style1 2 2	0.0000	B	.	.	.
quality*style1 3 1	0.0000	B	.	.	.
quality*style1 3 2	0.0000	B	.	.	.

**Note:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

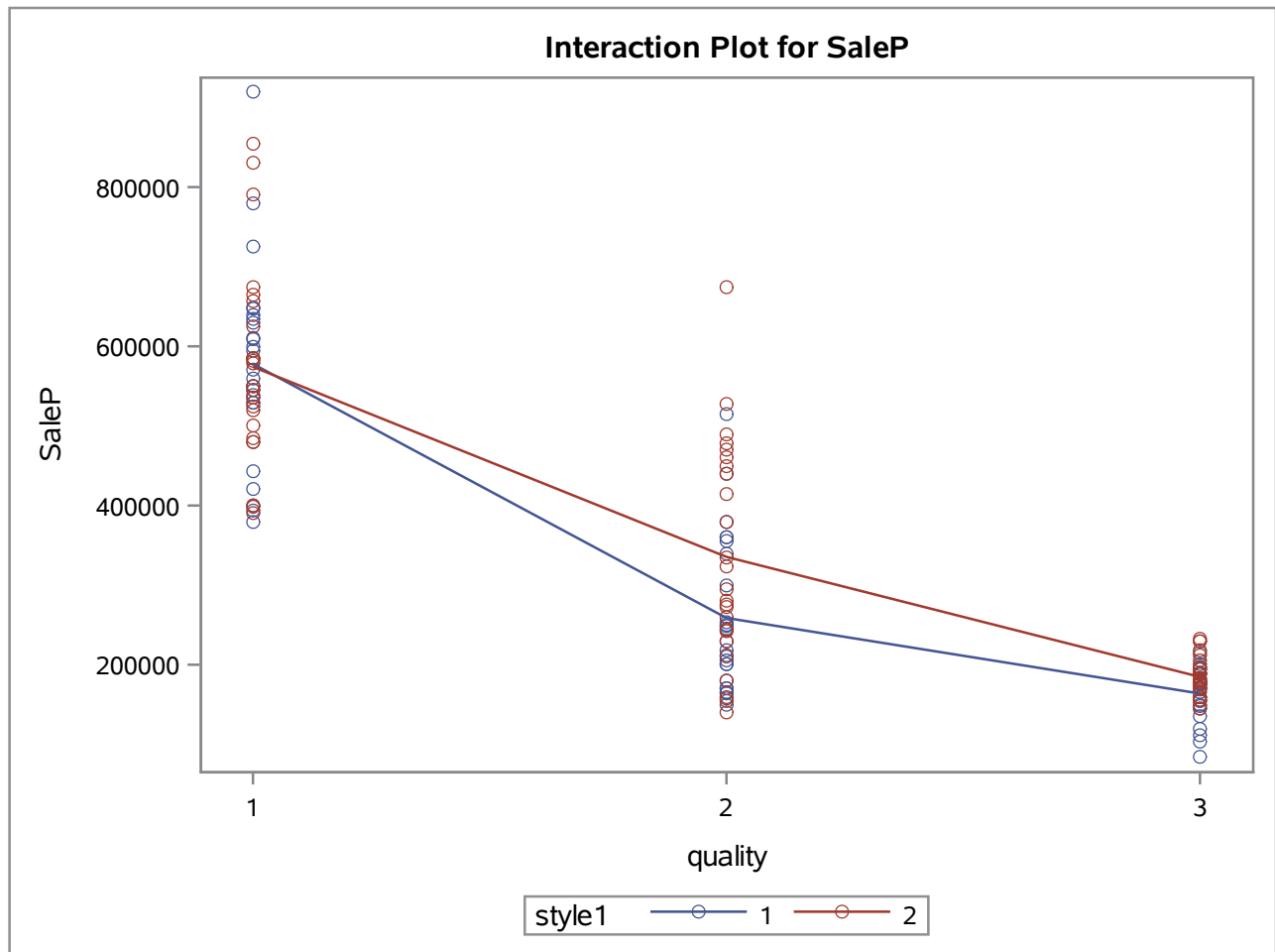
## The GLM Procedure

Dependent Variable: SaleP



## The GLM Procedure

Dependent Variable: SaleP



**The UNIVARIATE Procedure**  
**Variable: resid**

Moments			
<b>N</b>	150	<b>Sum Weights</b>	150
<b>Mean</b>	0	<b>Sum Observations</b>	0
<b>Std Deviation</b>	98073.6171	<b>Variance</b>	9618434380
<b>Skewness</b>	0.79652733	<b>Kurtosis</b>	1.81776923
<b>Uncorrected SS</b>	1.43315E12	<b>Corrected SS</b>	1.43315E12
<b>Coeff Variation</b>	.	<b>Std Error Mean</b>	8007.67731

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.0	<b>Std Deviation</b>	98074
<b>Median</b>	-6223.0	<b>Variance</b>	9618434380
<b>Mode</b>	-58744.0	<b>Range</b>	540000
		<b>Interquartile Range</b>	88000

**Note:** The mode displayed is the smallest of 7 modes with a count of 2.

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	0	<b>Pr &gt;  t </b>	1.0000
<b>Sign</b>	<b>M</b>	-6	<b>Pr &gt;=  M </b>	0.3692
<b>Signed Rank</b>	<b>S</b>	-455.5	<b>Pr &gt;=  S </b>	0.3946

Tests for Normality				
Test	Statistic		p Value	
<b>Shapiro-Wilk</b>	<b>W</b>	0.944206	<b>Pr &lt; W</b>	<0.0001
<b>Kolmogorov-Smirnov</b>	<b>D</b>	0.111526	<b>Pr &gt; D</b>	<0.0100
<b>Cramer-von Mises</b>	<b>W-Sq</b>	0.429113	<b>Pr &gt; W-Sq</b>	<0.0050
<b>Anderson-Darling</b>	<b>A-Sq</b>	2.410268	<b>Pr &gt; A-Sq</b>	<0.0050

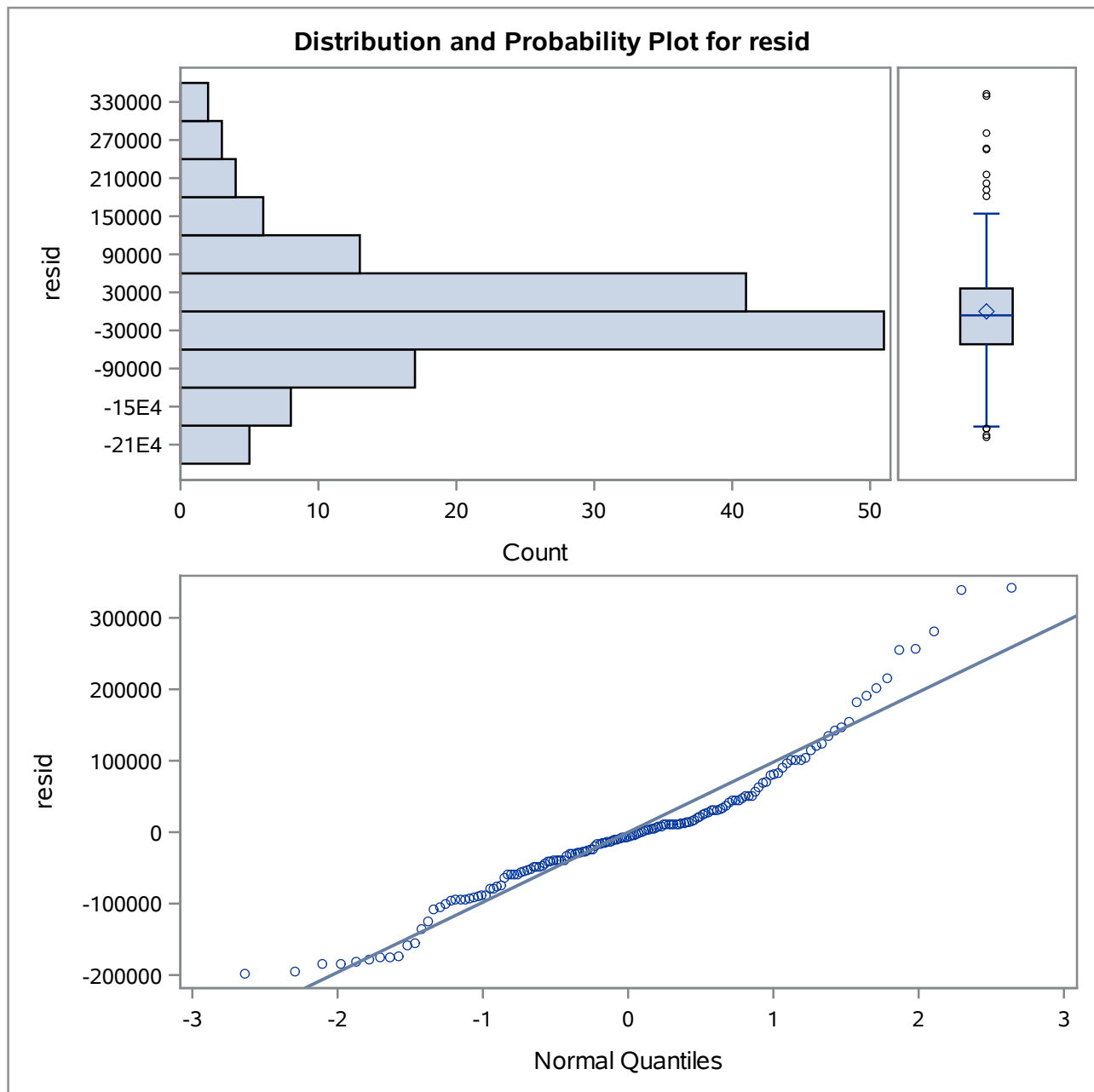
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	342150
<b>99%</b>	339526
<b>95%</b>	191526
<b>90%</b>	117841
<b>75% Q3</b>	36196
<b>50% Median</b>	-6223

**The UNIVARIATE Procedure**  
**Variable: resid**

Quantiles (Definition 5)	
Level	Quantile
25% Q1	-51804
10%	-103409
5%	-175211
1%	-195074
0% Min	-197850

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-197850	24	255789	81
-195074	107	256256	49
-184850	20	280789	82
-184311	95	339526	123
-181474	112	342150	3

## The UNIVARIATE Procedure



## The GLM Procedure

Class Level Information		
Class	Levels	Values
SQ	6	11 12 13 21 22 23

Number of Observations Read	150
Number of Observations Used	150



## The GLM Procedure

Dependent Variable: SaleP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	4.3178171E12	863563428712	86.77	<.0001
Error	144	1.4331467E12	9952407796.1		
Corrected Total	149	5.7509639E12			

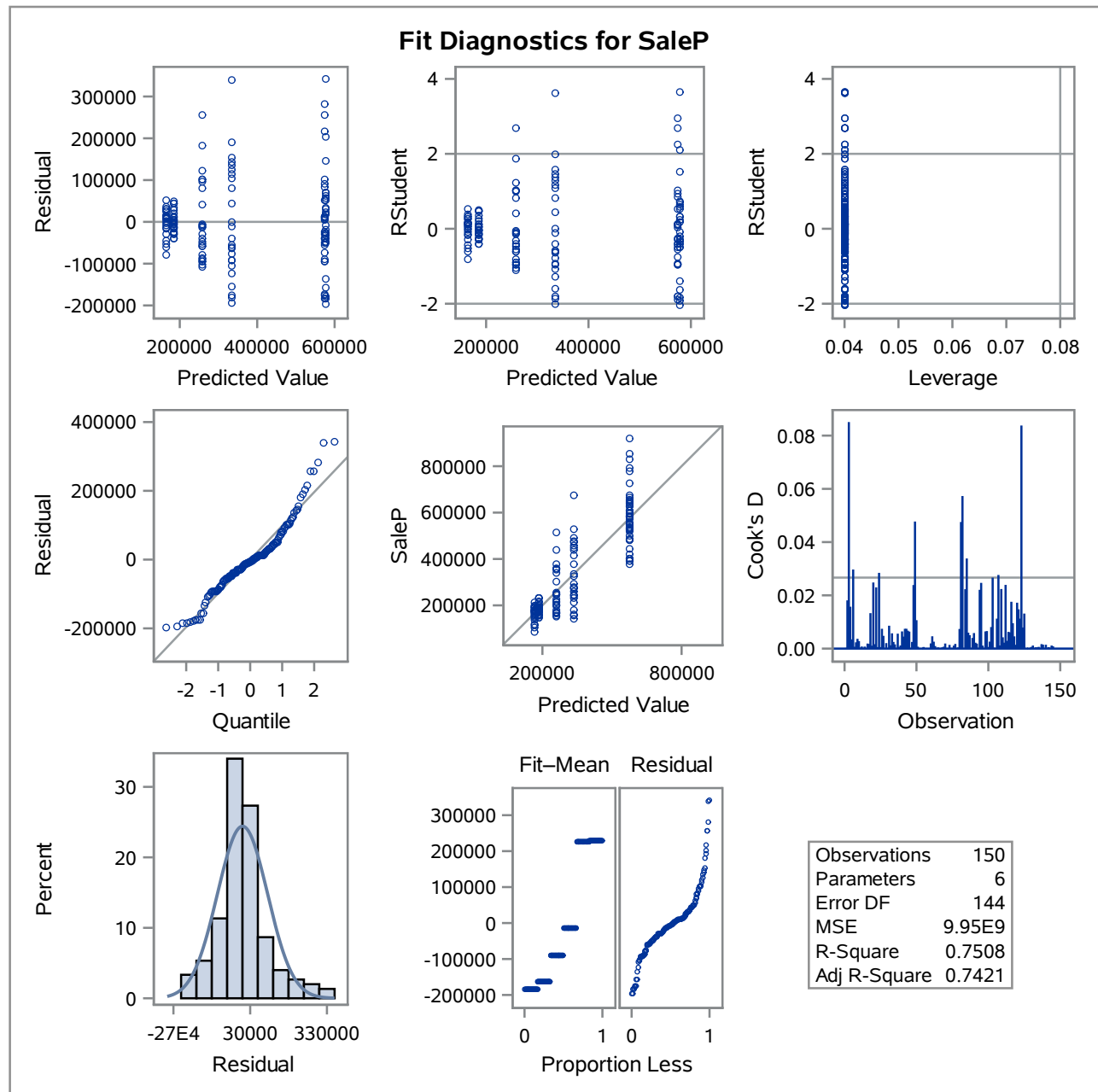
R-Square	Coeff Var	Root MSE	SaleP Mean
0.750799	28.57432	99761.76	349130.8

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SQ	5	4.3178171E12	863563428712	86.77	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SQ	5	4.3178171E12	863563428712	86.77	<.0001

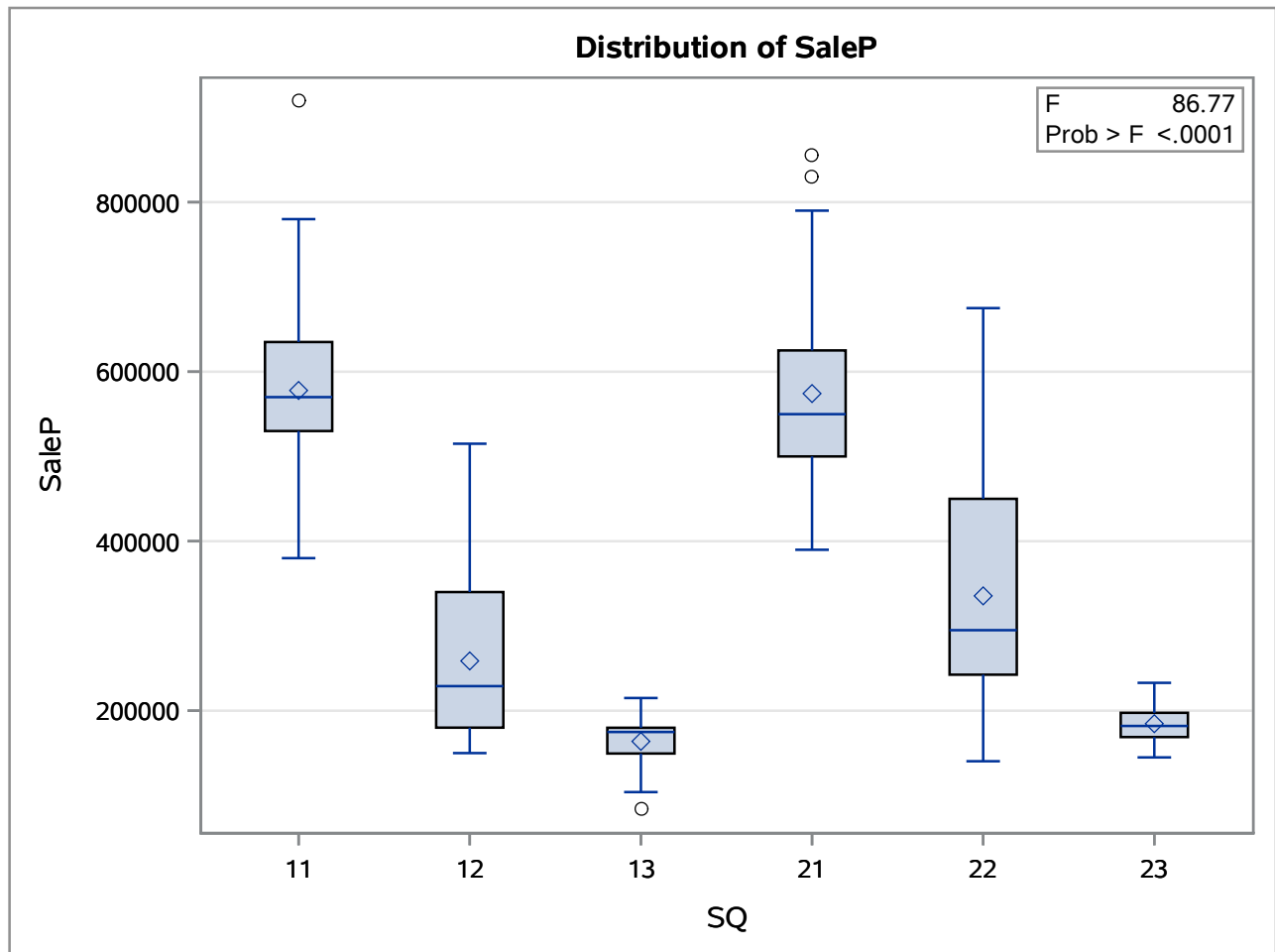
## The GLM Procedure

Dependent Variable: SaleP



## The GLM Procedure

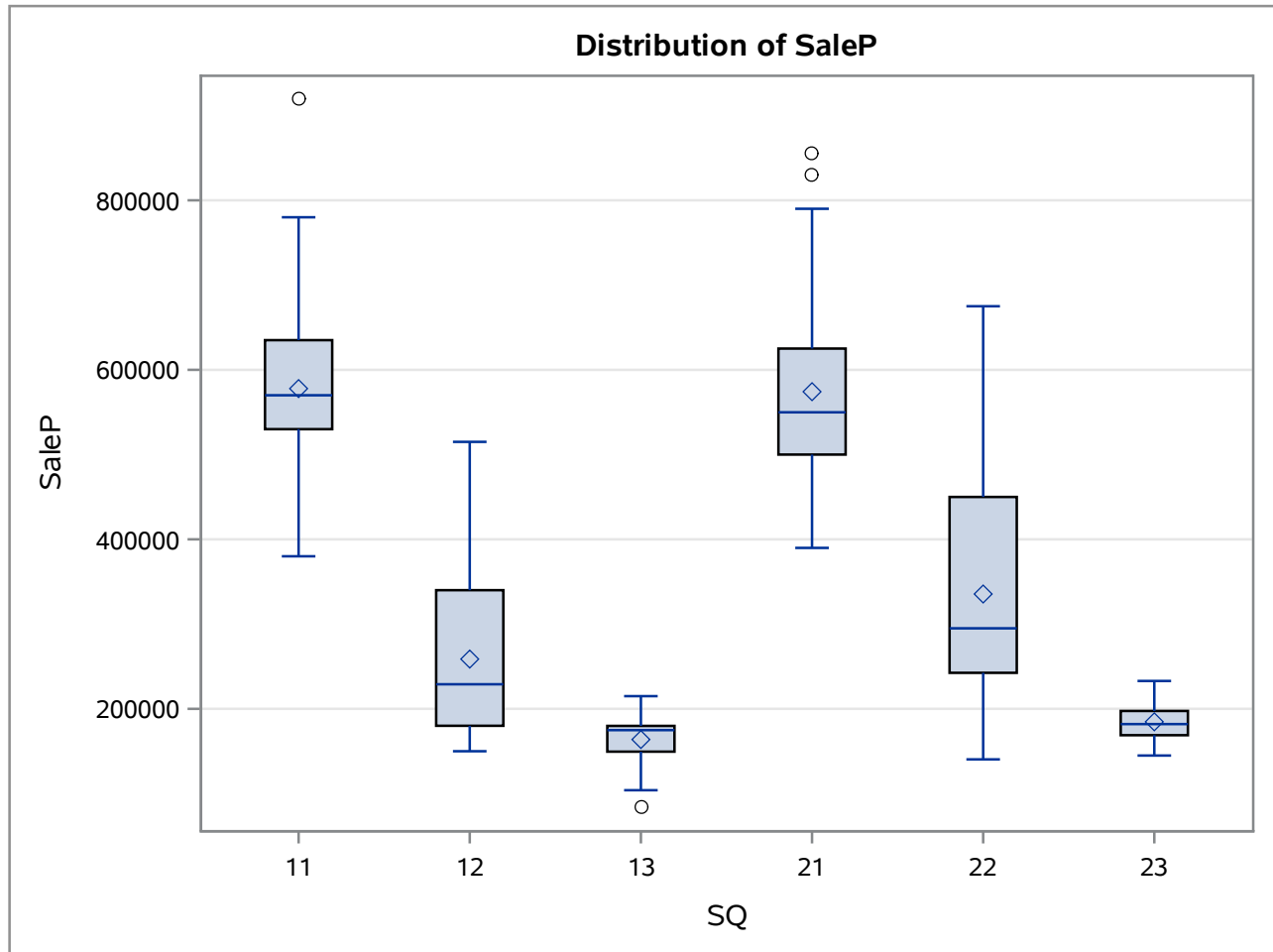
Dependent Variable: SaleP



## The GLM Procedure

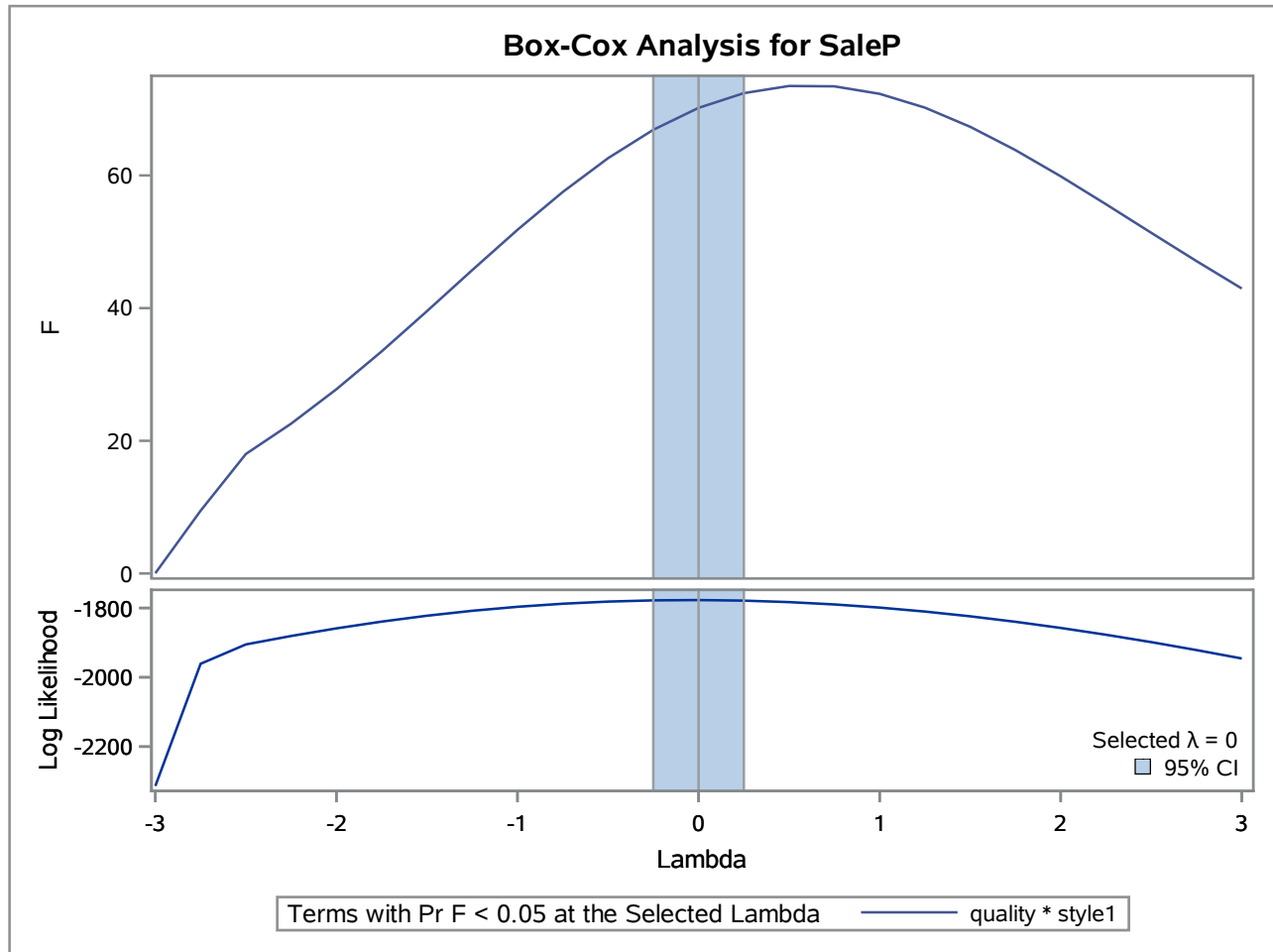
Bartlett's Test for Homogeneity of SaleP Variance			
Source	DF	Chi-Square	Pr > ChiSq
SQ	5	84.7851	<.0001

## The GLM Procedure



Level of SQ	N	SaleP	
		Mean	Std Dev
11	25	577850.000	122372.425
12	25	258744.000	97395.757
13	25	163804.000	31860.536
21	25	574210.960	121749.422
22	25	335474.000	136916.426
23	25	184702.000	25872.373

## The TRANSREG Procedure



## The GLM Procedure

Class Level Information		
Class	Levels	Values
quality	3	1 2 3
style1	2	1 2

Number of Observations Read	150
Number of Observations Used	150

## The GLM Procedure

Dependent Variable: newSaleP1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	36.97723061	7.39544612	97.04	<.0001
Error	144	10.97379282	0.07620689		
Corrected Total	149	47.95102342			

R-Square	Coeff Var	Root MSE	newSaleP1 Mean
0.771146	2.190035	0.276056	12.60510

Source	DF	Type I SS	Mean Square	F Value	Pr > F
quality	2	36.04823274	18.02411637	236.52	<.0001
style1	1	0.55508052	0.55508052	7.28	0.0078
quality*style1	2	0.37391734	0.18695867	2.45	0.0896

Source	DF	Type III SS	Mean Square	F Value	Pr > F
quality	2	36.04823274	18.02411637	236.52	<.0001
style1	1	0.55508052	0.55508052	7.28	0.0078
quality*style1	2	0.37391734	0.18695867	2.45	0.0896

Parameter	Estimate		Standard Error	t Value	Pr >  t
Intercept	12.11720103	B	0.05521119	219.47	<.0001
quality 1	1.12289289	B	0.07808042	14.38	<.0001
quality 2	0.52328742	B	0.07808042	6.70	<.0001
quality 3	0.00000000	B	.	.	.
style1 1	-0.13254893	B	0.07808042	-1.70	0.0917
style1 2	0.00000000	B	.	.	.
quality*style1 1 1	0.13826101	B	0.11042239	1.25	0.2126
quality*style1 1 2	0.00000000	B	.	.	.
quality*style1 2 1	-0.10560645	B	0.11042239	-0.96	0.3405
quality*style1 2 2	0.00000000	B	.	.	.
quality*style1 3 1	0.00000000	B	.	.	.
quality*style1 3 2	0.00000000	B	.	.	.

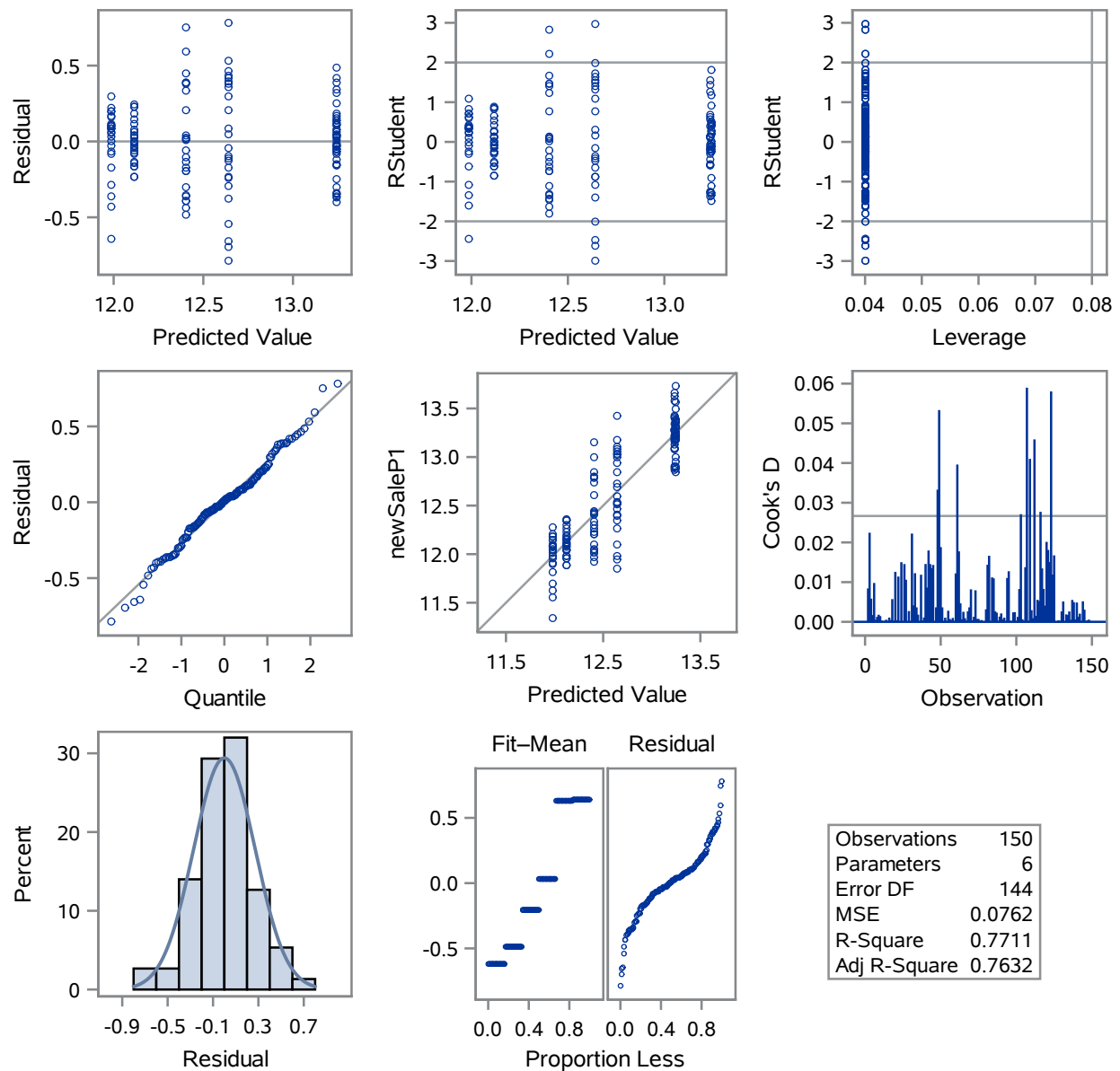
**Note:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.



## The GLM Procedure

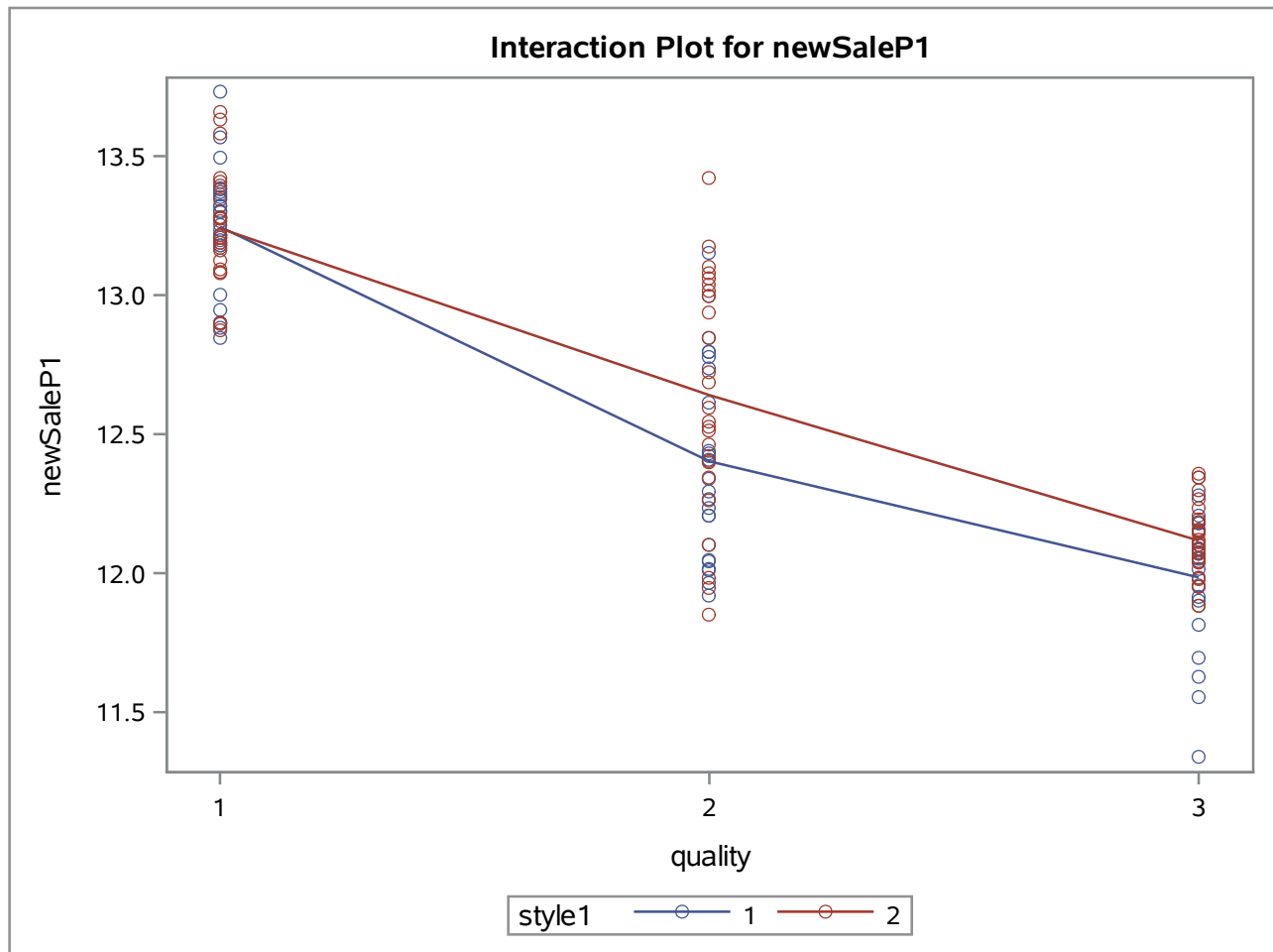
Dependent Variable: newSaleP1

## Fit Diagnostics for newSaleP1



## The GLM Procedure

Dependent Variable: newSaleP1



**The UNIVARIATE Procedure**  
**Variable: resid4**

Moments			
<b>N</b>	150	<b>Sum Weights</b>	150
<b>Mean</b>	0	<b>Sum Observations</b>	0
<b>Std Deviation</b>	0.27138463	<b>Variance</b>	0.07364962
<b>Skewness</b>	-0.0515145	<b>Kurtosis</b>	0.58970541
<b>Uncorrected SS</b>	10.9737928	<b>Corrected SS</b>	10.9737928
<b>Coeff Variation</b>	.	<b>Std Error Mean</b>	0.02215846

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.00000	<b>Std Deviation</b>	0.27138
<b>Median</b>	0.00713	<b>Variance</b>	0.07365
<b>Mode</b>	-0.19626	<b>Range</b>	1.57022
		<b>Interquartile Range</b>	0.30569

**Note:** The mode displayed is the smallest of 7 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	0	<b>Pr &gt;  t </b>	1.0000
<b>Sign</b>	<b>M</b>	2	<b>Pr &gt;=  M </b>	0.8066
<b>Signed Rank</b>	<b>S</b>	77.5	<b>Pr &gt;=  S </b>	0.8850

Tests for Normality				
Test	Statistic		p Value	
<b>Shapiro-Wilk</b>	<b>W</b>	0.988384	<b>Pr &lt; W</b>	0.2473
<b>Kolmogorov-Smirnov</b>	<b>D</b>	0.068336	<b>Pr &gt; D</b>	0.0855
<b>Cramer-von Mises</b>	<b>W-Sq</b>	0.129636	<b>Pr &gt; W-Sq</b>	0.0454
<b>Anderson-Darling</b>	<b>A-Sq</b>	0.696038	<b>Pr &gt; A-Sq</b>	0.0717

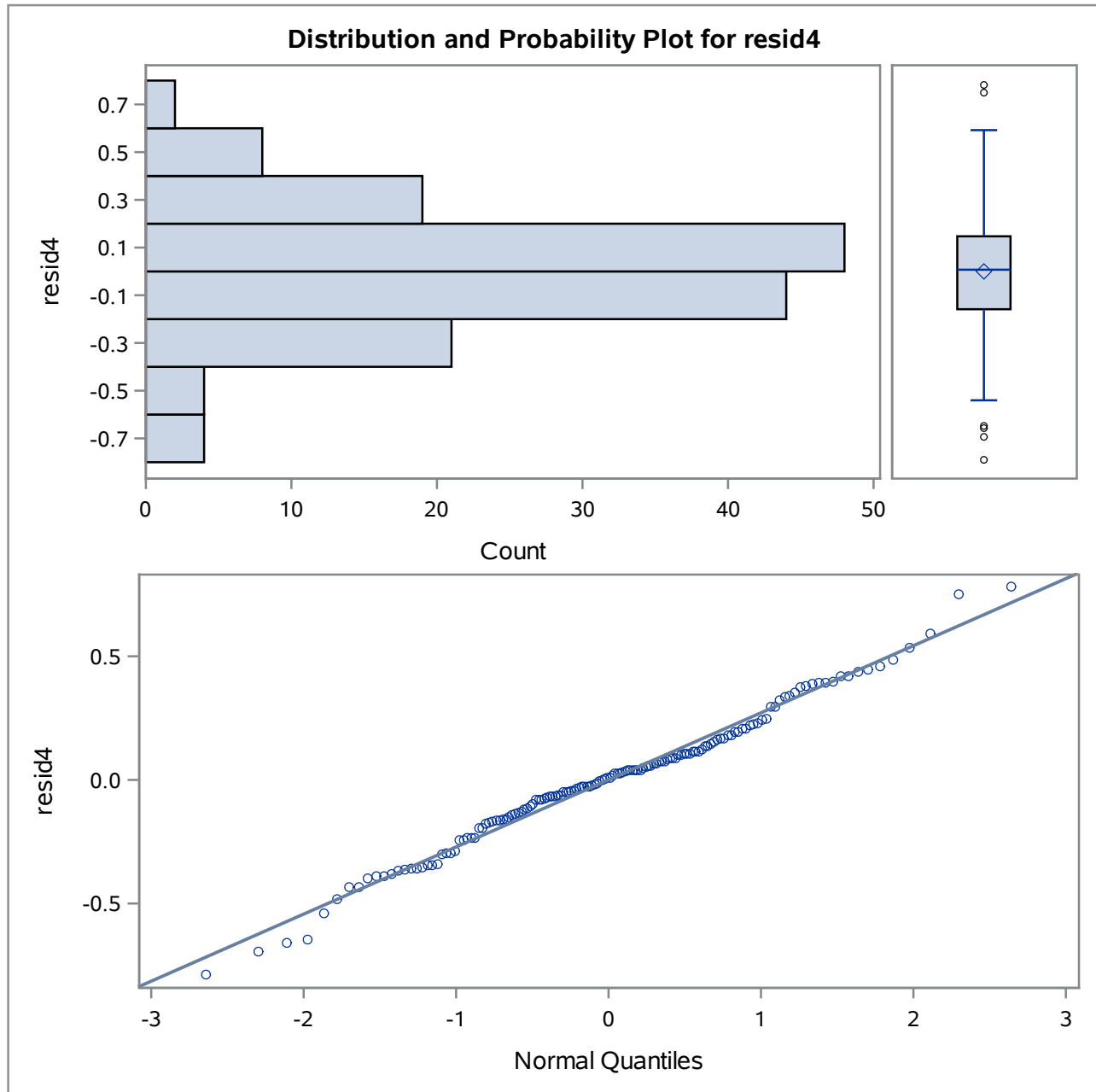
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	0.78197952
<b>99%</b>	0.74958910
<b>95%</b>	0.43687756
<b>90%</b>	0.37702720
<b>75% Q3</b>	0.14714052
<b>50% Median</b>	0.00713303

**The UNIVARIATE Procedure**  
**Variable: resid4**

Quantiles (Definition 5)	
Level	Quantile
25% Q1	-0.15855254
10%	-0.35888286
5%	-0.43250593
1%	-0.69578057
0% Min	-0.78823768

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.788238	107	0.486323	3
-0.695781	112	0.534467	103
-0.657559	109	0.592197	48
-0.646080	61	0.749589	49
-0.540332	116	0.781980	123

## The UNIVARIATE Procedure



## The GLM Procedure

Class Level Information		
Class	Levels	Values
SQ	6	11 12 13 21 22 23

Number of Observations Read	150
Number of Observations Used	150

## The GLM Procedure

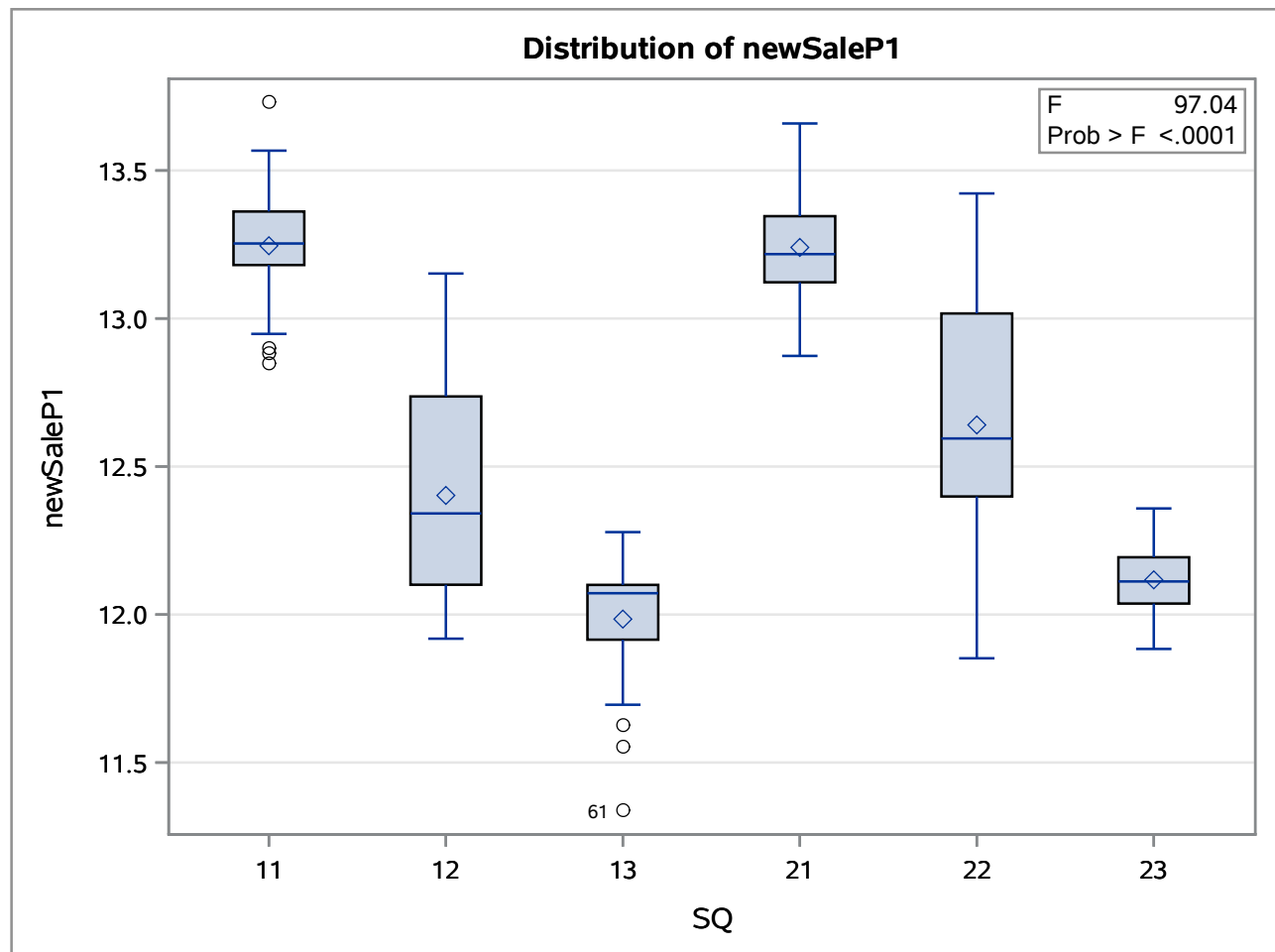
Dependent Variable: newSaleP1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	36.97723061	7.39544612	97.04	<.0001
Error	144	10.97379282	0.07620689		
Corrected Total	149	47.95102342			

R-Square	Coeff Var	Root MSE	newSaleP1 Mean
0.771146	2.190035	0.276056	12.60510

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SQ	5	36.97723061	7.39544612	97.04	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SQ	5	36.97723061	7.39544612	97.04	<.0001

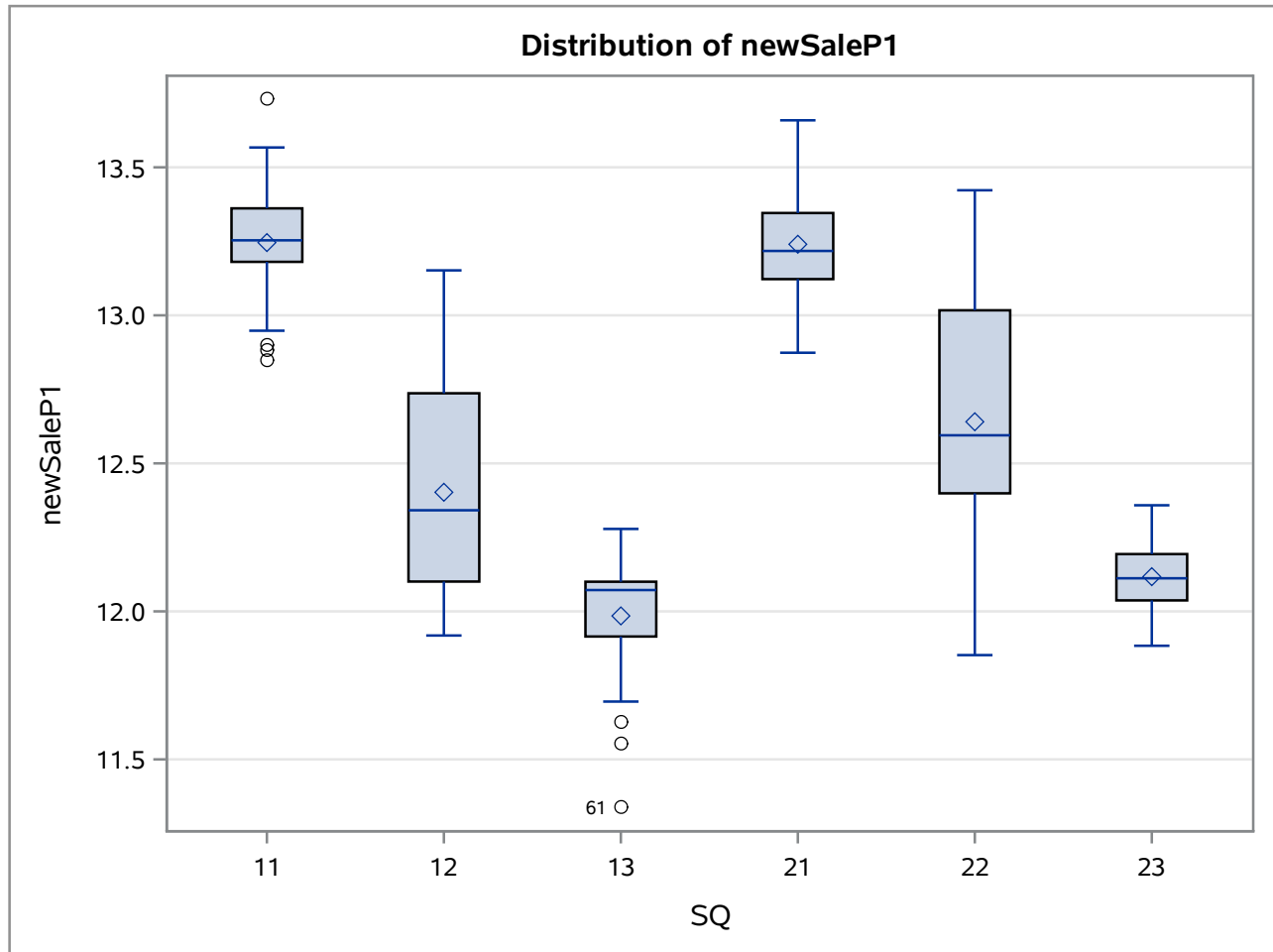


## The GLM Procedure

Bartlett's Test for Homogeneity of newSaleP1 Variance			
Source	DF	Chi-Square	Pr > ChiSq
SQ	5	37.5865	<.0001



## The GLM Procedure

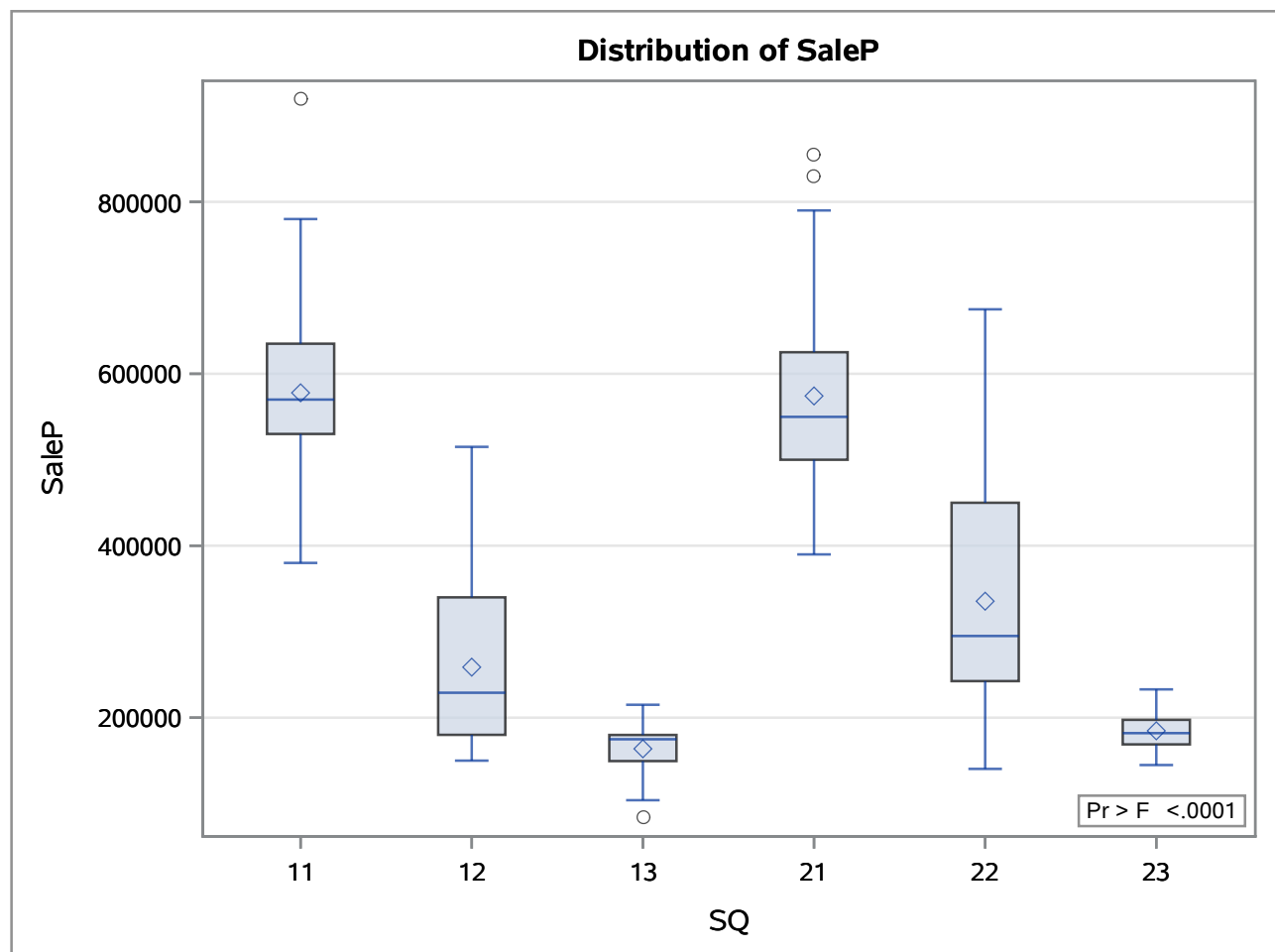


Level of SQ	N	newSaleP1	
		Mean	Std Dev
11	25	13.2458060	0.21110748
12	25	12.4023331	0.34947368
13	25	11.9846521	0.22375920
21	25	13.2400939	0.20605747
22	25	12.6404885	0.42276496
23	25	12.1172010	0.13887072

## The NPAR1WAY Procedure

Analysis of Variance for Variable SaleP Classified by Variable SQ		
SQ	N	Mean
11	25	577850.000
12	25	258744.000
13	25	163804.000
21	25	574210.960
22	25	335474.000
23	25	184702.000

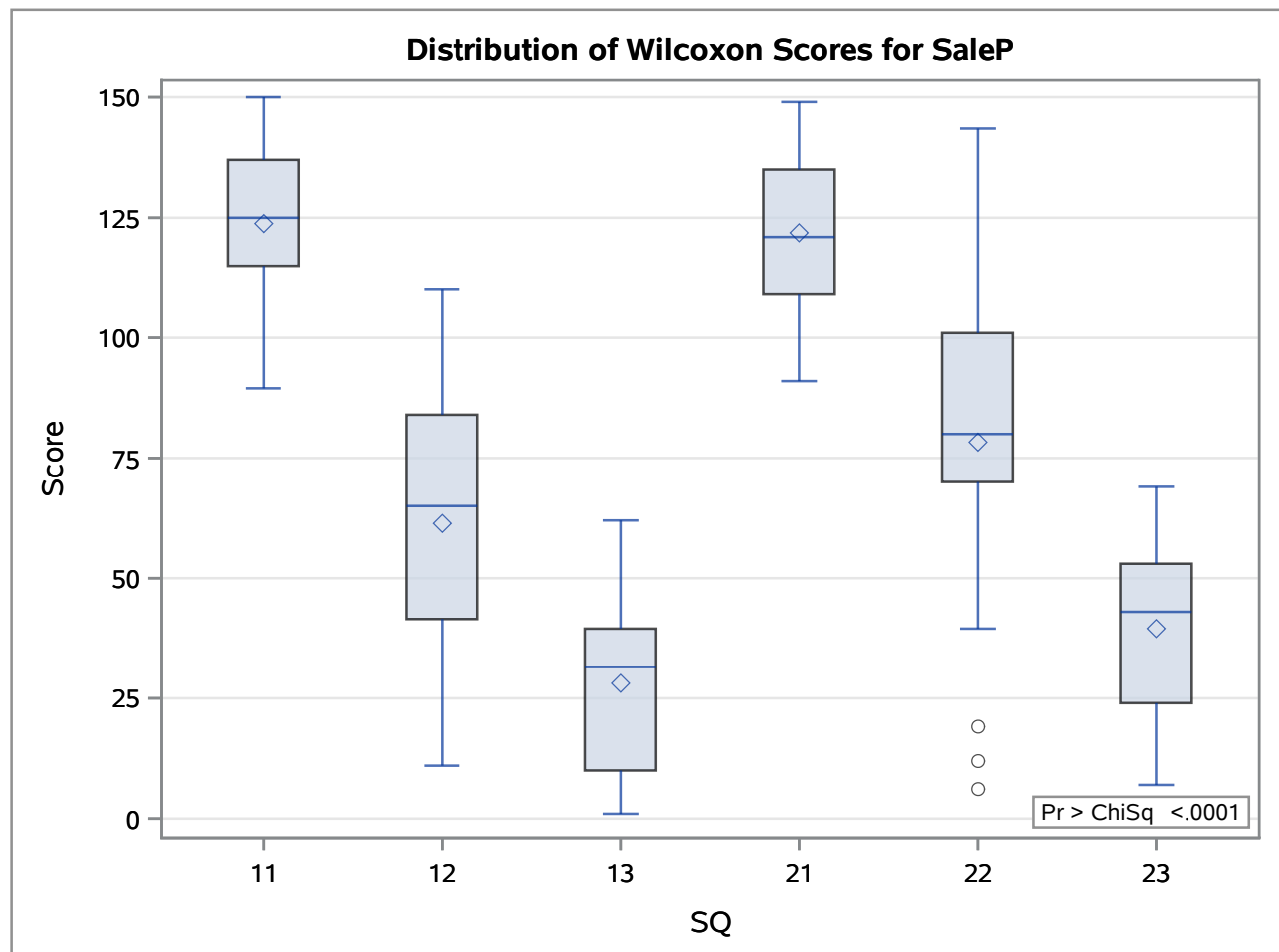
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	5	4317817143561	8.635634E11	86.7693	<.0001
Within	144	1433146722633	9952407796		
Average scores were used for ties.					



## The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
11	25	3095.00	1887.50	198.295484	123.800
12	25	1534.50	1887.50	198.295484	61.380
13	25	703.00	1887.50	198.295484	28.120
21	25	3047.00	1887.50	198.295484	121.880
22	25	1957.50	1887.50	198.295484	78.300
23	25	988.00	1887.50	198.295484	39.520
Average scores were used for ties.					

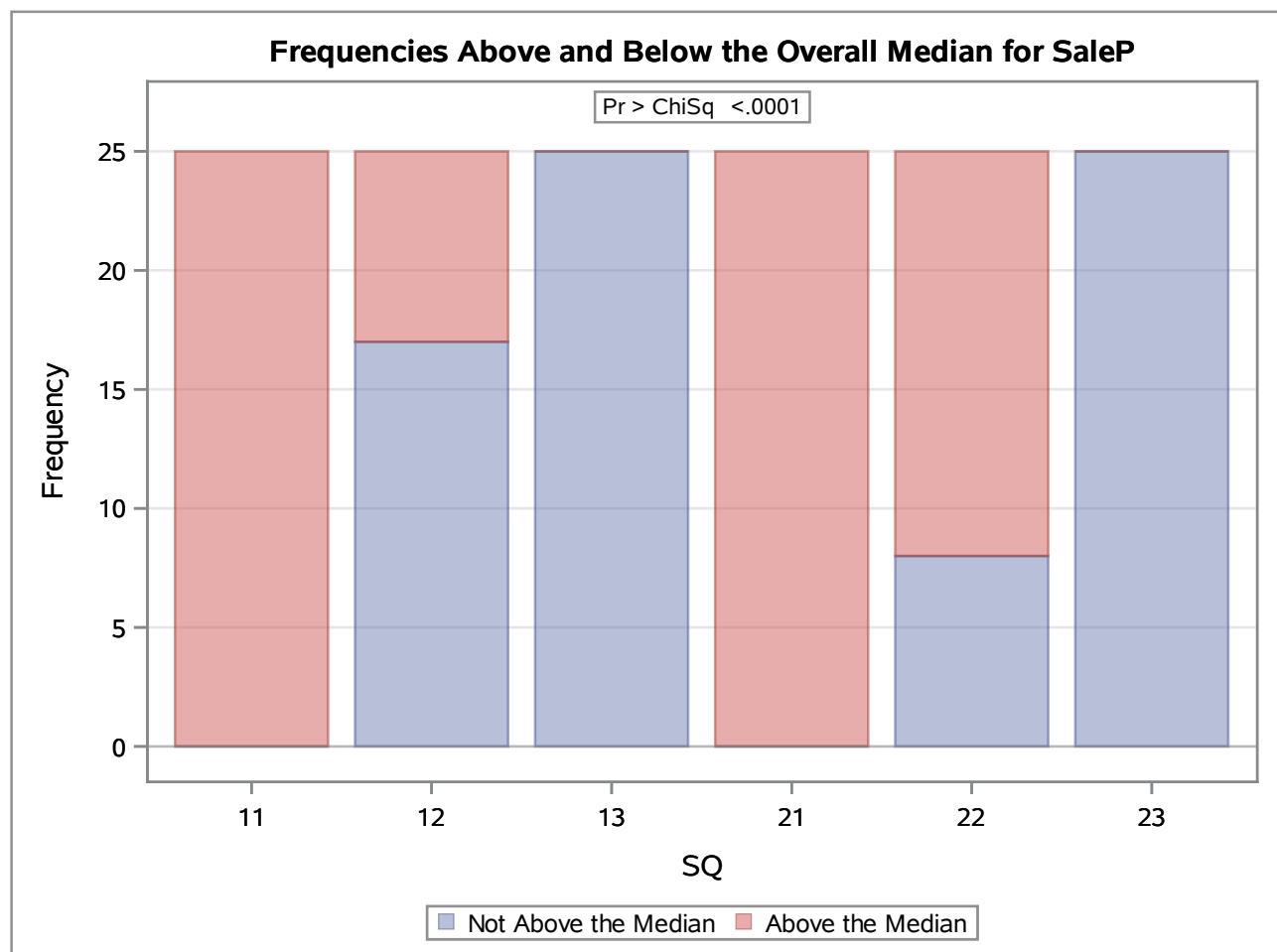
Kruskal-Wallis Test	
Chi-Square	109.0201
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
11	25	25.0	12.50	2.289823	1.000
12	25	8.0	12.50	2.289823	0.320
13	25	0.0	12.50	2.289823	0.000
21	25	25.0	12.50	2.289823	1.000
22	25	17.0	12.50	2.289823	0.680
23	25	0.0	12.50	2.289823	0.000
Average scores were used for ties.					

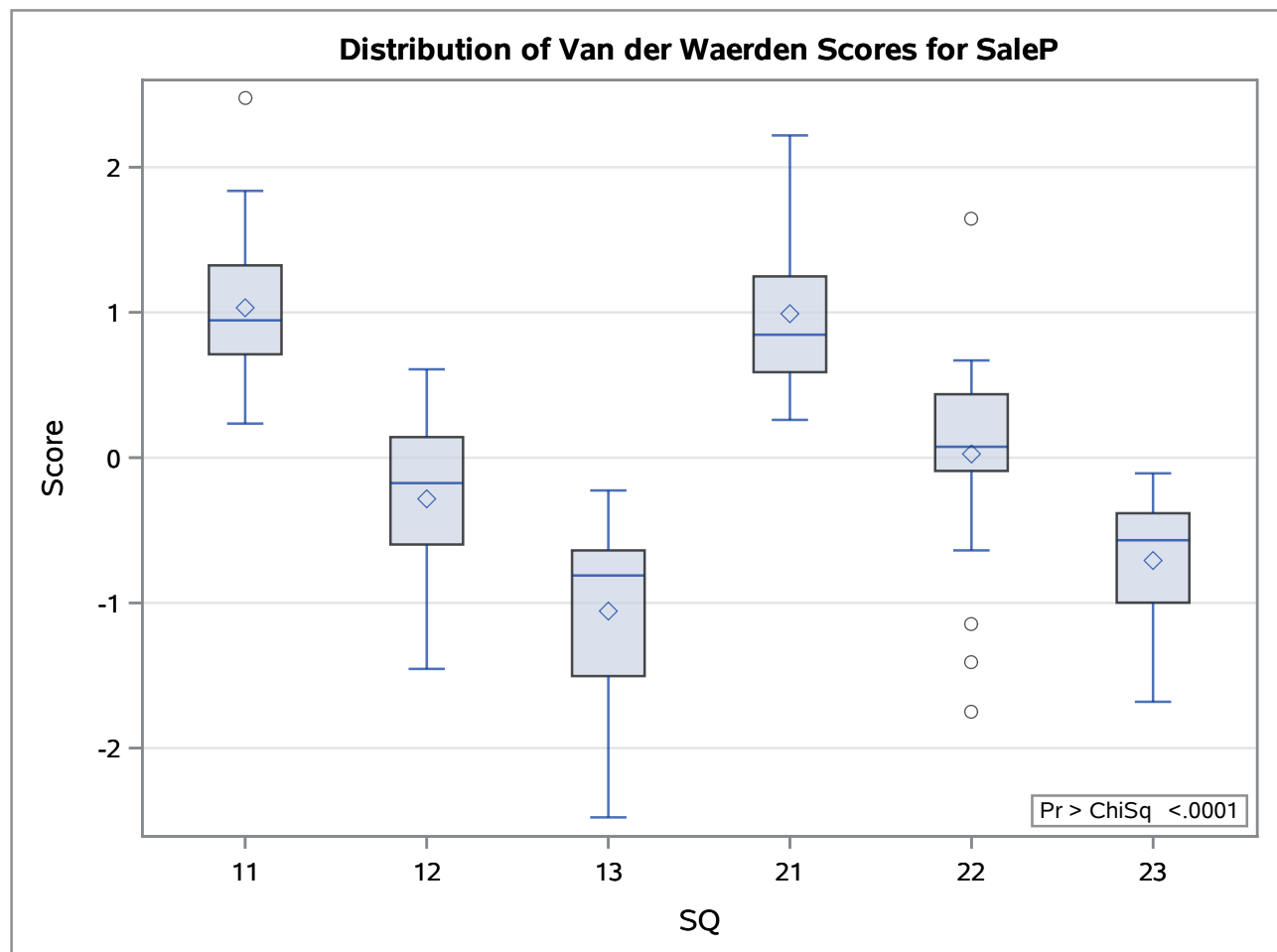
Median One-Way Analysis	
Chi-Square	105.7701
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
11	25	25.804945	0.0	4.448504	1.032198
12	25	-7.093652	0.0	4.448504	-0.283746
13	25	-26.412778	0.0	4.448504	-1.056511
21	25	24.775593	0.0	4.448504	0.991024
22	25	0.634232	0.0	4.448504	0.025369
23	25	-17.708339	0.0	4.448504	-0.708334
Average scores were used for ties.					

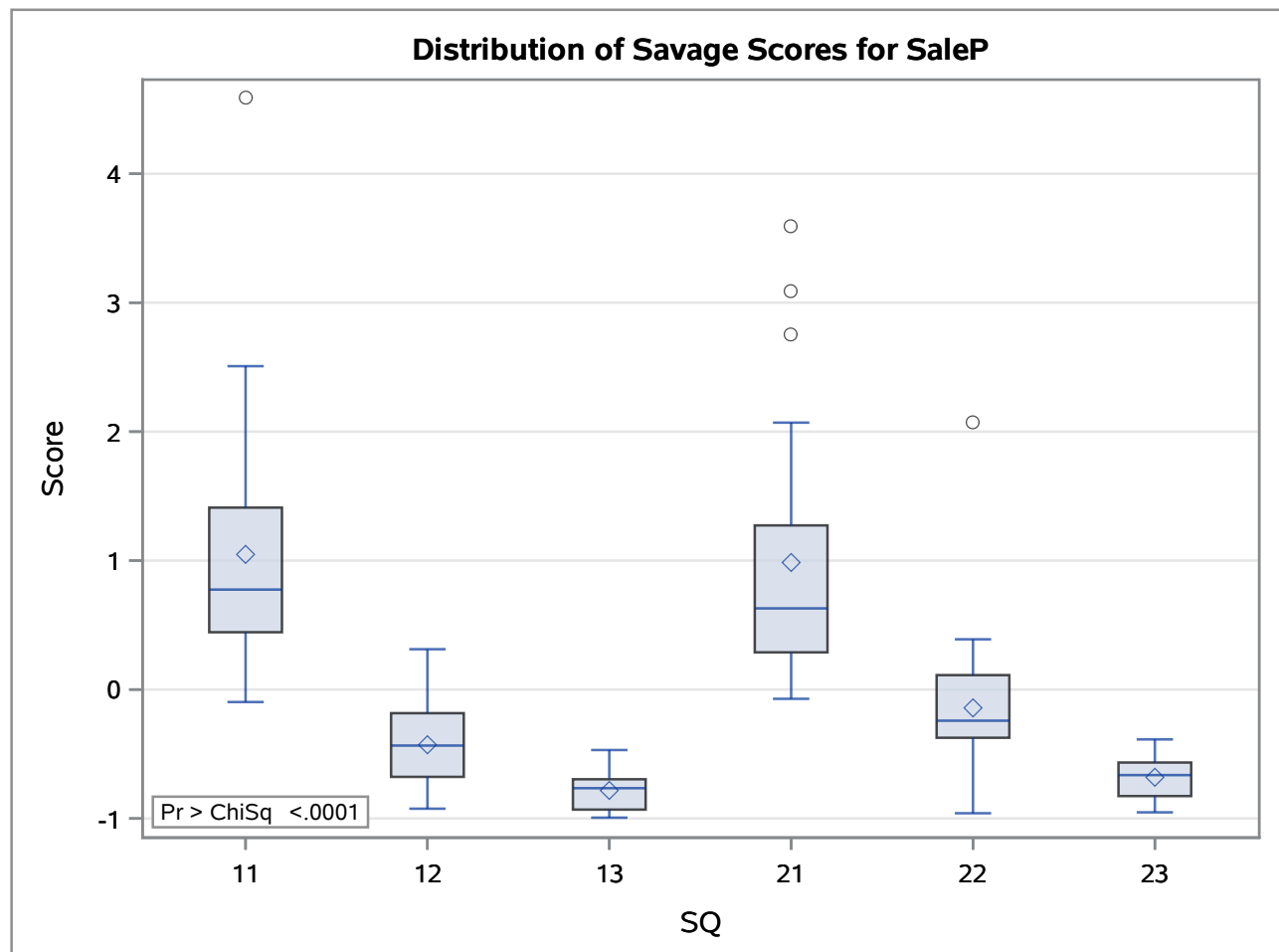
Van der Waerden One-Way Analysis	
Chi-Square	98.6089
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
11	25	26.201958	0.0	4.493280	1.048078
12	25	-10.709510	0.0	4.493280	-0.428380
13	25	-19.553019	0.0	4.493280	-0.782121
21	25	24.630022	0.0	4.493280	0.985201
22	25	-3.560925	0.0	4.493280	-0.142437
23	25	-17.008525	0.0	4.493280	-0.680341
Average scores were used for ties.					

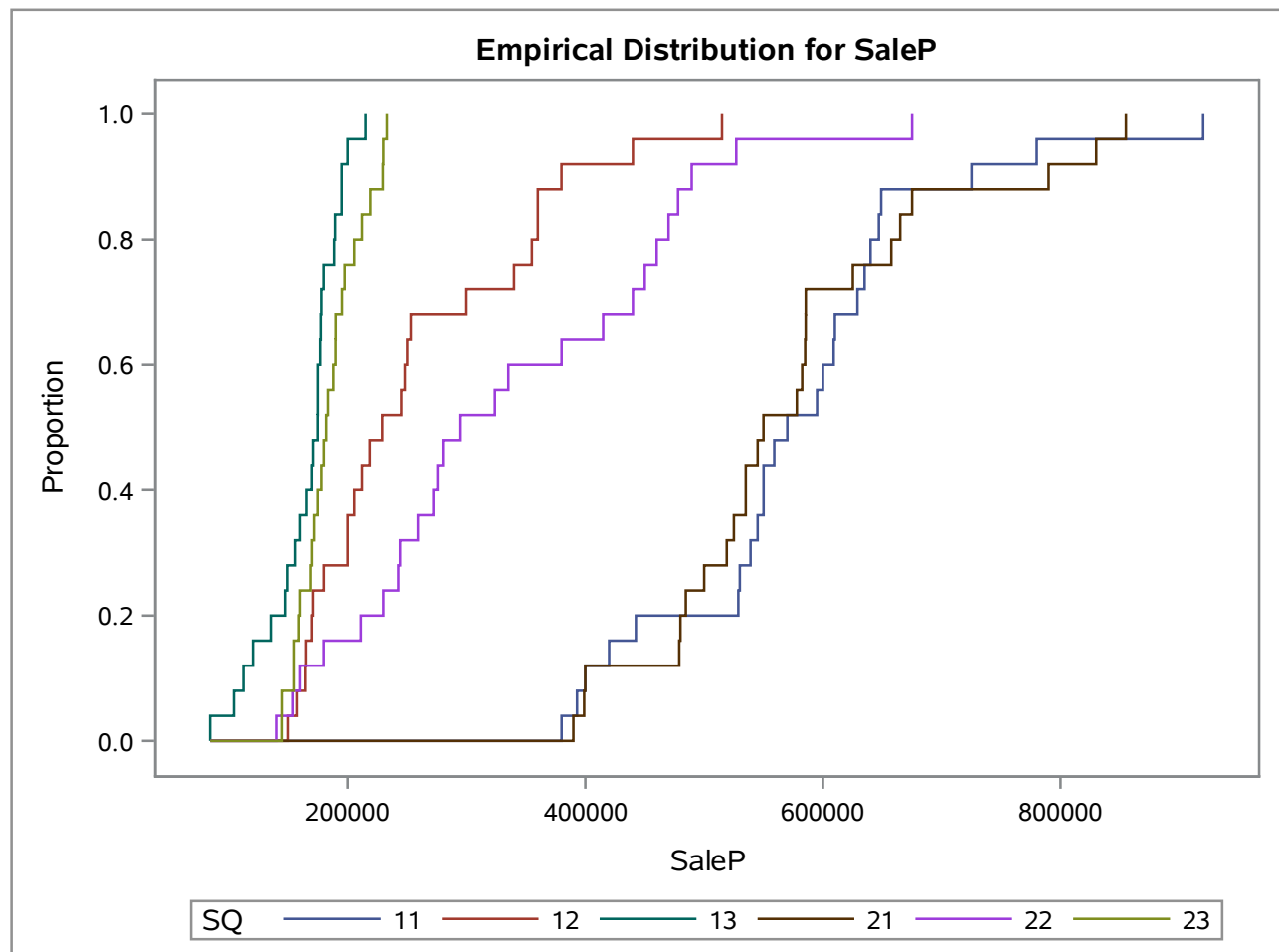
Savage One-Way Analysis	
Chi-Square	86.3550
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable SaleP Classified by Variable SQ			
SQ	N	EDF at Maximum	Deviation from Mean at Maximum
11	25	0.000000	-2.933333
12	25	0.920000	1.666667
13	25	1.000000	2.066667
21	25	0.000000	-2.933333
22	25	0.600000	0.066667
23	25	1.000000	2.066667
Total	150	0.586667	
Maximum Deviation Occurred at Observation 50			
Value of SaleP at Maximum = 379900.0			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.436145	KSa	5.341660



## The NPAR1WAY Procedure

Cramer-von Mises Test for Variable SaleP Classified by Variable SQ		
SQ	N	Summed Deviation from Mean
11	25	3.399519
12	25	0.575874
13	25	3.233296
21	25	3.166719
22	25	0.381474
23	25	2.096407

Cramer-von Mises Statistics (Asymptotic)			
CM	0.085689	CMa	12.853289



## The GLM Procedure

Class Level Information		
Class	Levels	Values
quality	3	1 2 3
style1	2	1 2

Number of Observations Read	522
Number of Observations Used	522

## The GLM Procedure

Dependent Variable: SaleP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	6.6313075E12	1.3262615E12	208.67	<.0001
Error	516	3.2796044E12	6355822530.8		
Corrected Total	521	9.9109119E12			

R-Square	Coeff Var	Root MSE	SaleP Mean
0.669092	28.68841	79723.41	277894.1

Source	DF	Type I SS	Mean Square	F Value	Pr > F
quality	2	6.5417834E12	3.2708917E12	514.63	<.0001
style1	1	11695175157	11695175157	1.84	0.1755
quality*style1	2	77828934050	38914467025	6.12	0.0024

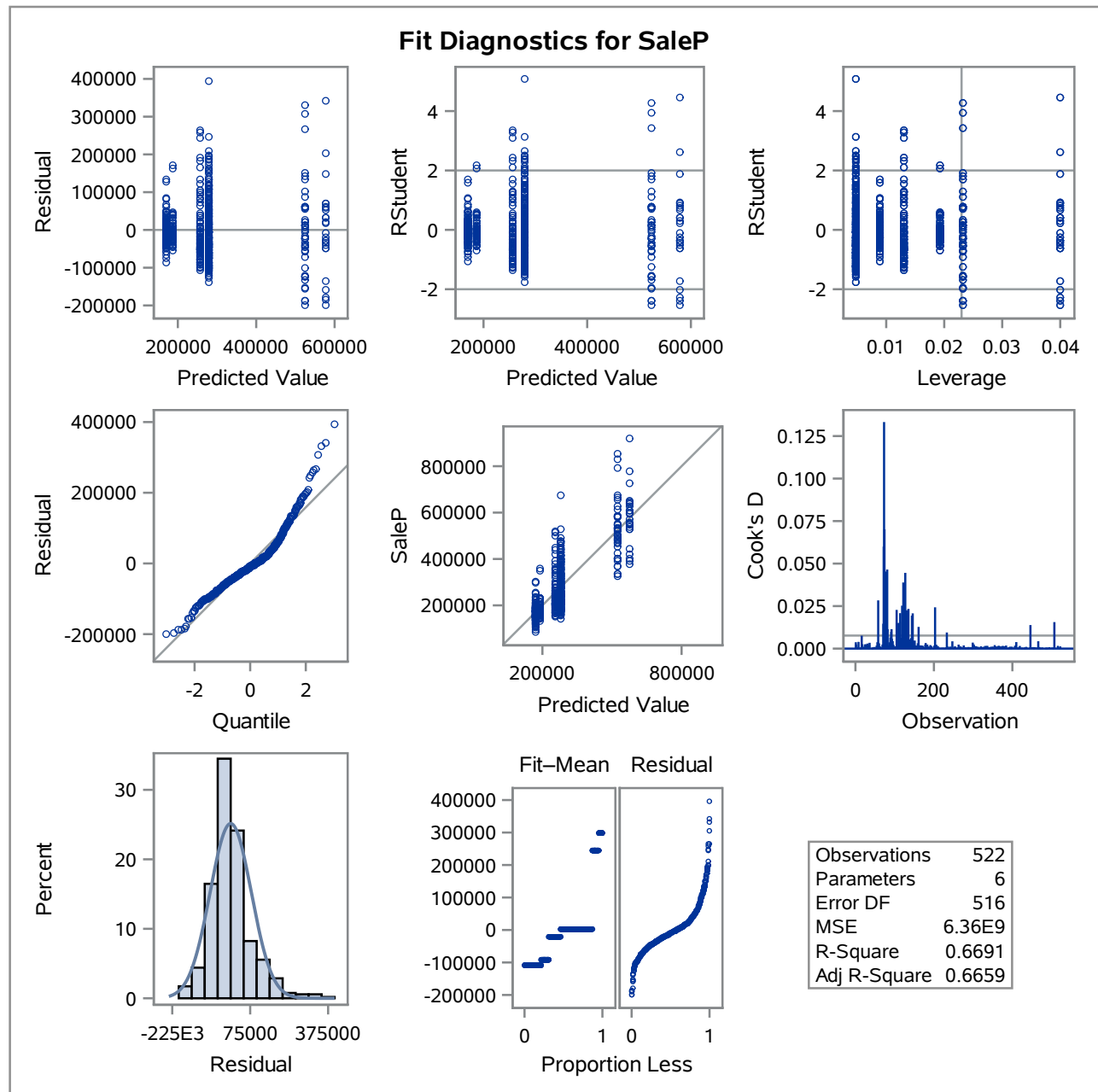
Source	DF	Type III SS	Mean Square	F Value	Pr > F
quality	2	6.1355251E12	3.0677626E12	482.67	<.0001
style1	1	1404344929.7	1404344929.7	0.22	0.6385
quality*style1	2	77828934050	38914467025	6.12	0.0024

Parameter	Estimate		Standard Error	t Value	Pr >  t
Intercept	187448.0769	B	11055.64817	16.95	<.0001
quality 1	336255.9696	B	16432.80812	20.46	<.0001
quality 2	92575.7541	B	12331.54081	7.51	<.0001
quality 3	0.0000	B	.	.	.
style1 1	-18200.7555	B	13378.18268	-1.36	0.1743
style1 2	0.0000	B	.	.	.
quality*style1 1 1	72346.7090	B	24104.32532	3.00	0.0028
quality*style1 1 2	0.0000	B	.	.	.
quality*style1 2 1	-5366.6469	B	17069.22564	-0.31	0.7533
quality*style1 2 2	0.0000	B	.	.	.
quality*style1 3 1	0.0000	B	.	.	.
quality*style1 3 2	0.0000	B	.	.	.

**Note:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.

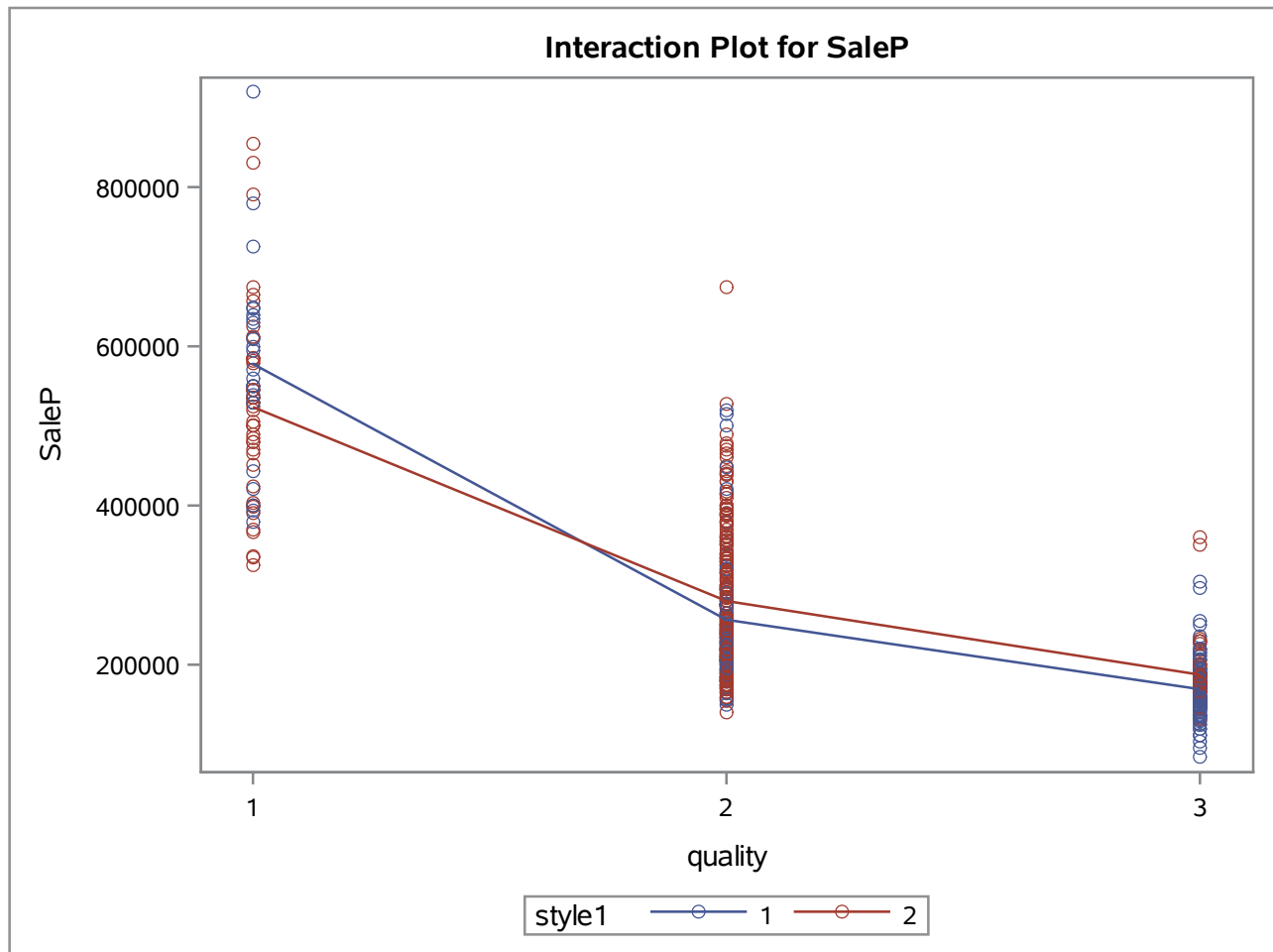
## The GLM Procedure

Dependent Variable: SaleP



## The GLM Procedure

Dependent Variable: SaleP



**The UNIVARIATE Procedure**  
**Variable: resid6**

Moments			
<b>N</b>	522	<b>Sum Weights</b>	522
<b>Mean</b>	0	<b>Sum Observations</b>	0
<b>Std Deviation</b>	79339.9405	<b>Variance</b>	6294826153
<b>Skewness</b>	1.15187657	<b>Kurtosis</b>	3.06465985
<b>Uncorrected SS</b>	3.2796E12	<b>Corrected SS</b>	3.2796E12
<b>Coeff Variation</b>	.	<b>Std Error Mean</b>	3472.61486

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.00	<b>Std Deviation</b>	79340
<b>Median</b>	-9297.32	<b>Variance</b>	6294826153
<b>Mode</b>	5752.68	<b>Range</b>	593680
		<b>Interquartile Range</b>	75277

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	0	<b>Pr &gt;  t </b>	1.0000
<b>Sign</b>	<b>M</b>	-37	<b>Pr &gt;=  M </b>	0.0014
<b>Signed Rank</b>	<b>S</b>	-8721.5	<b>Pr &gt;=  S </b>	0.0113

Tests for Normality				
Test	Statistic		p Value	
<b>Shapiro-Wilk</b>	<b>W</b>	0.929503	<b>Pr &lt; W</b>	<0.0001
<b>Kolmogorov-Smirnov</b>	<b>D</b>	0.119079	<b>Pr &gt; D</b>	<0.0100
<b>Cramer-von Mises</b>	<b>W-Sq</b>	1.799861	<b>Pr &gt; W-Sq</b>	<0.0050
<b>Anderson-Darling</b>	<b>A-Sq</b>	9.88273	<b>Pr &gt; A-Sq</b>	<0.0050

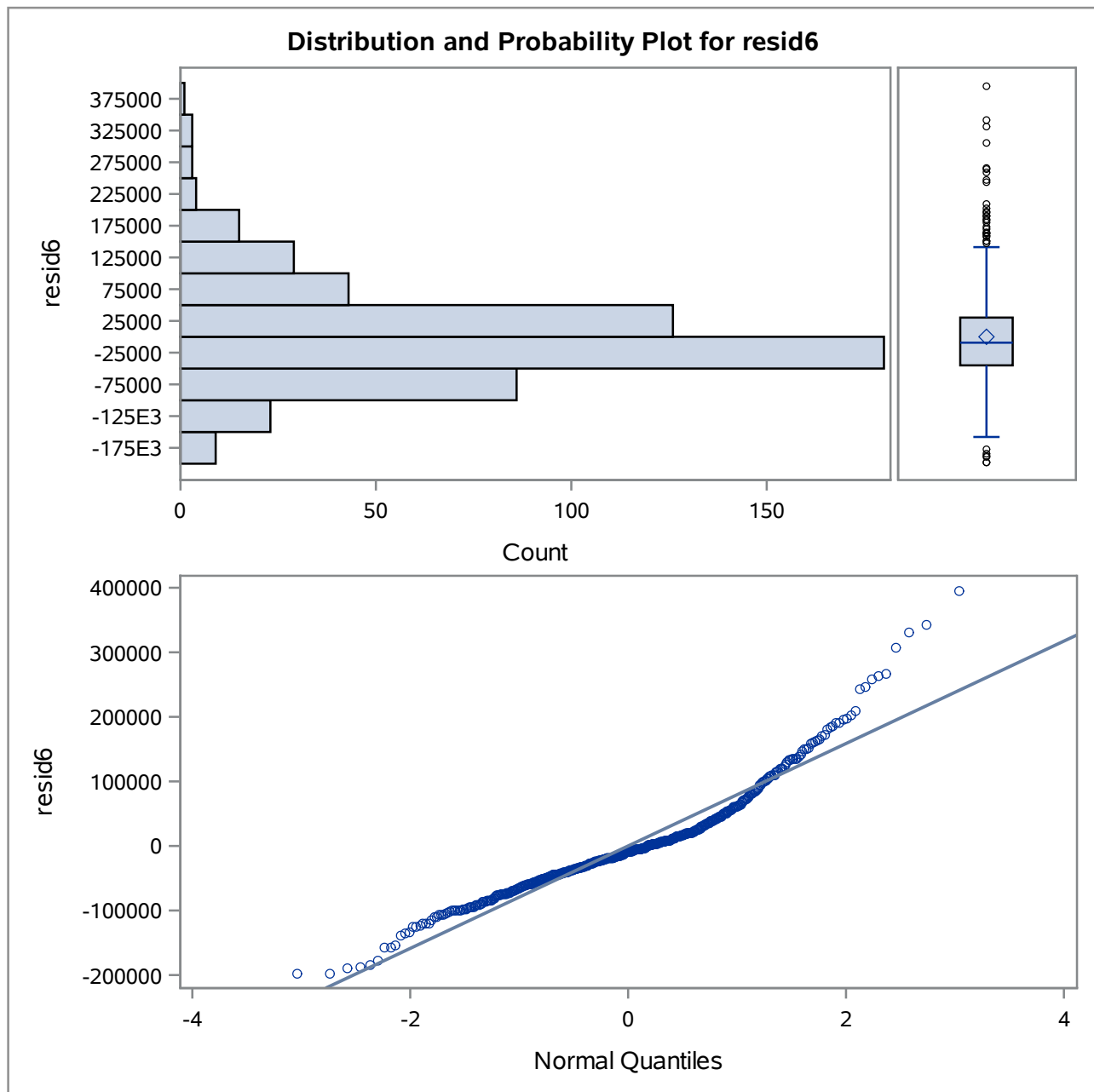
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	394976.17
<b>99%</b>	263543.57
<b>95%</b>	149976.17
<b>90%</b>	103543.57
<b>75% Q3</b>	30252.68
<b>50% Median</b>	-9297.32
<b>25% Q1</b>	-45023.83

**The UNIVARIATE Procedure**  
**Variable: resid6**

Quantiles (Definition 5)	
Level	Quantile
10%	-85023.83
5%	-102123.83
1%	-177850.00
0% Min	-198704.05

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-198704	119	266296	77
-197850	127	306296	72
-188704	105	331296	74
-187704	131	342150	73
-184850	122	394976	144

## The UNIVARIATE Procedure



## The GLM Procedure

Class Level Information		
Class	Levels	Values
SQ	6	11 12 13 21 22 23

Number of Observations Read	522
Number of Observations Used	522



## The GLM Procedure

Dependent Variable: SaleP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	6.6313075E12	1.3262615E12	208.67	<.0001
Error	516	3.2796044E12	6355822530.8		
Corrected Total	521	9.9109119E12			

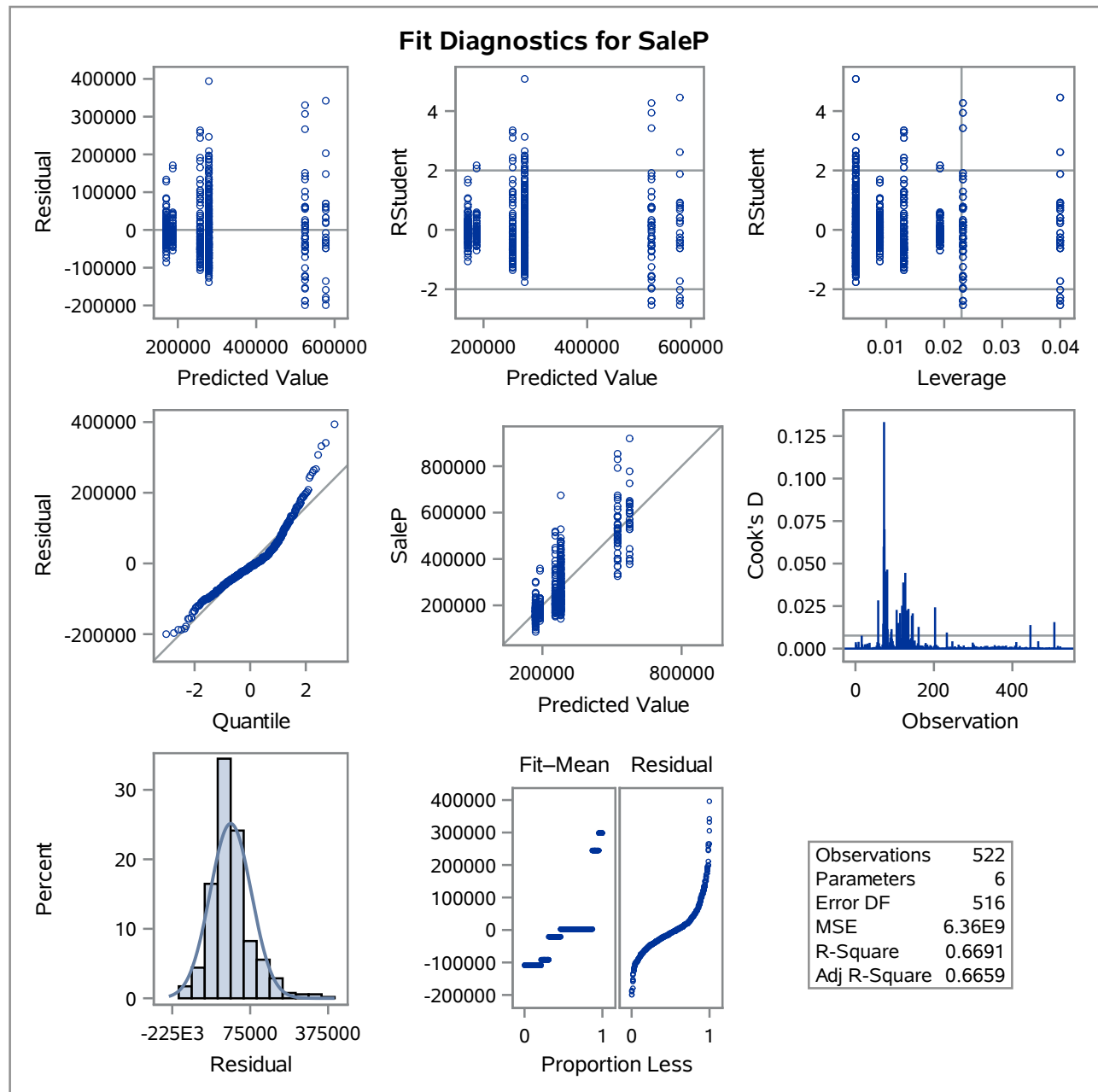
R-Square	Coeff Var	Root MSE	SaleP Mean
0.669092	28.68841	79723.41	277894.1

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SQ	5	6.6313075E12	1.3262615E12	208.67	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SQ	5	6.6313075E12	1.3262615E12	208.67	<.0001

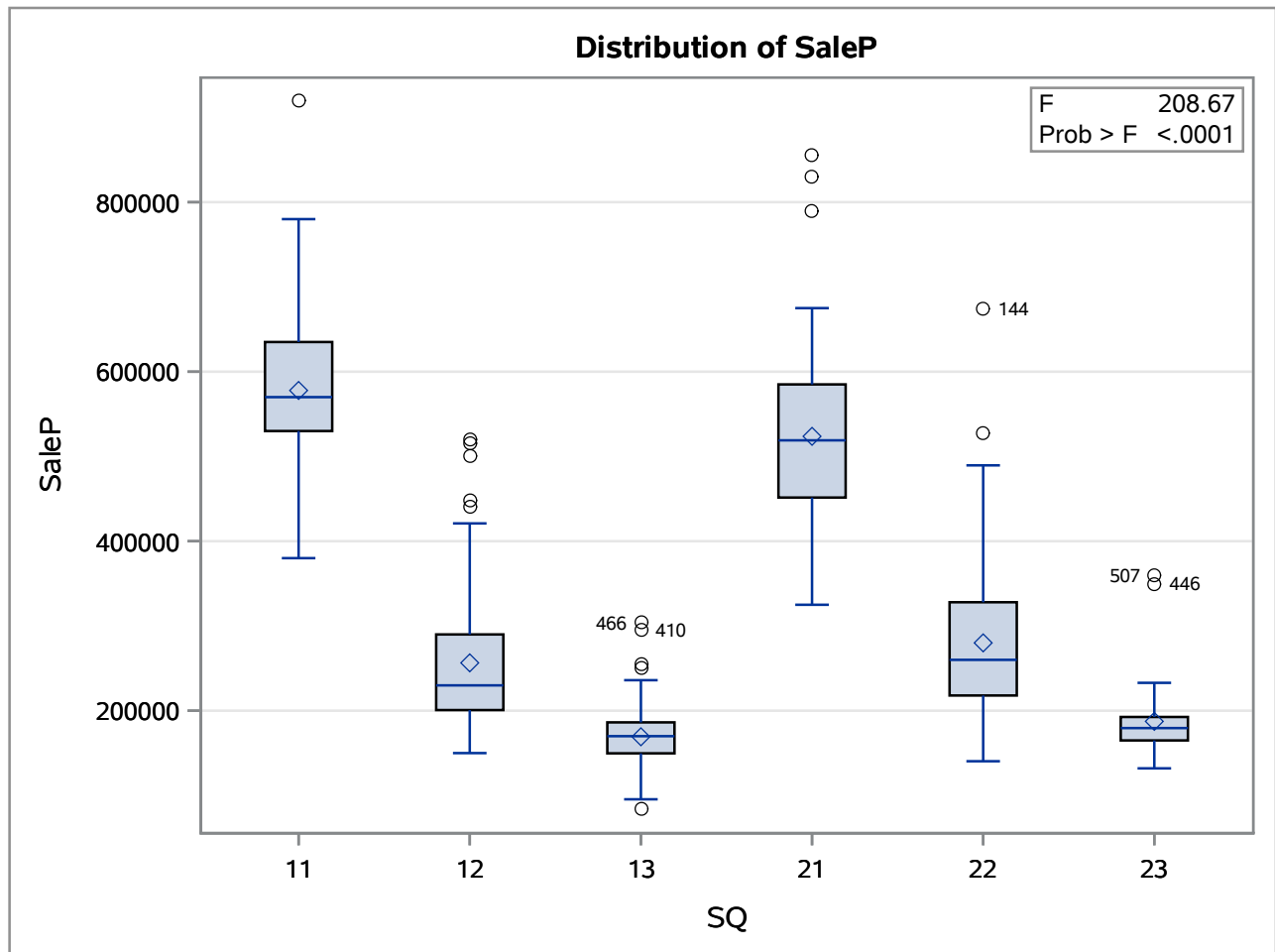
## The GLM Procedure

Dependent Variable: SaleP



## The GLM Procedure

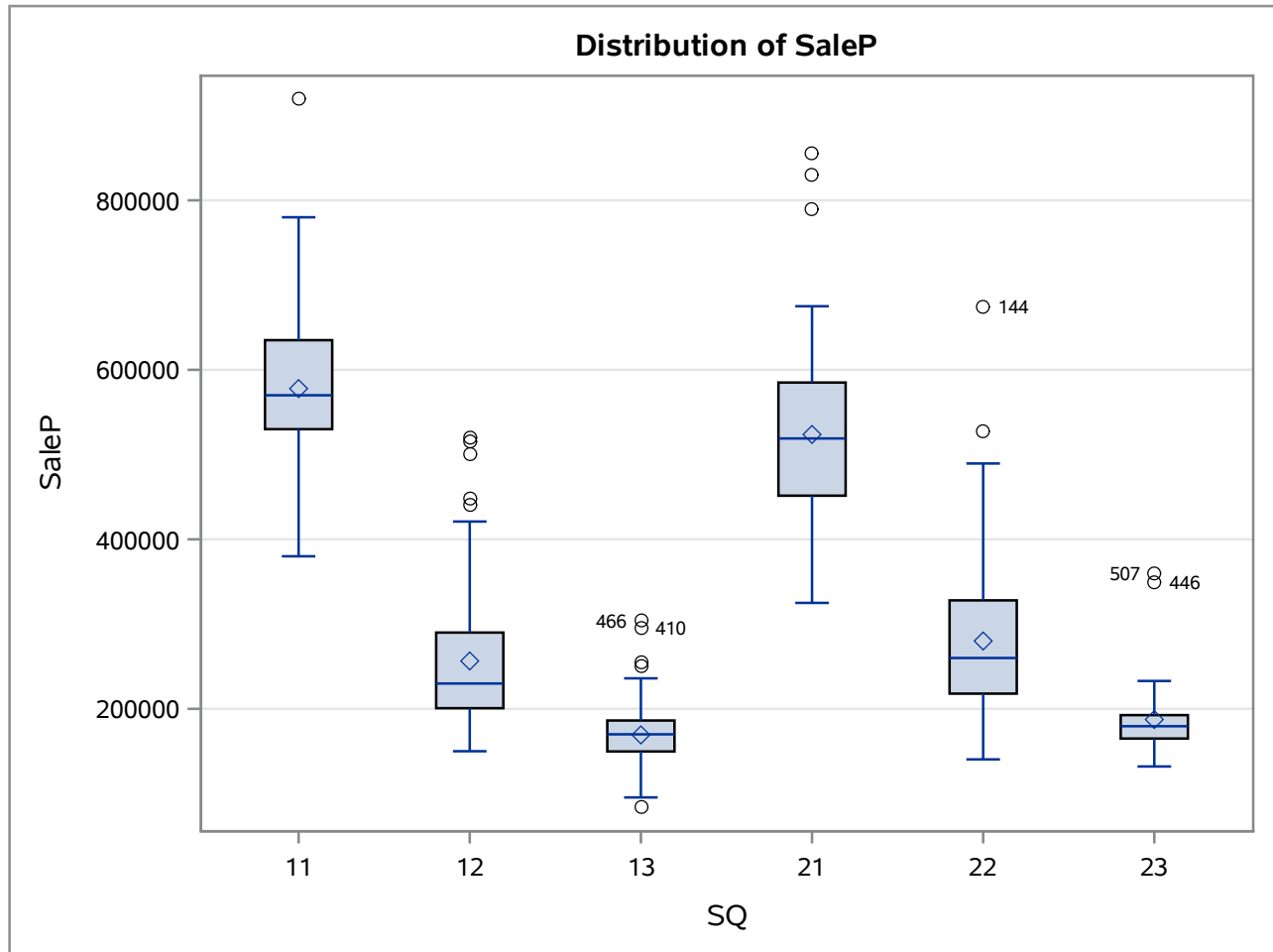
Dependent Variable: SaleP



## The GLM Procedure

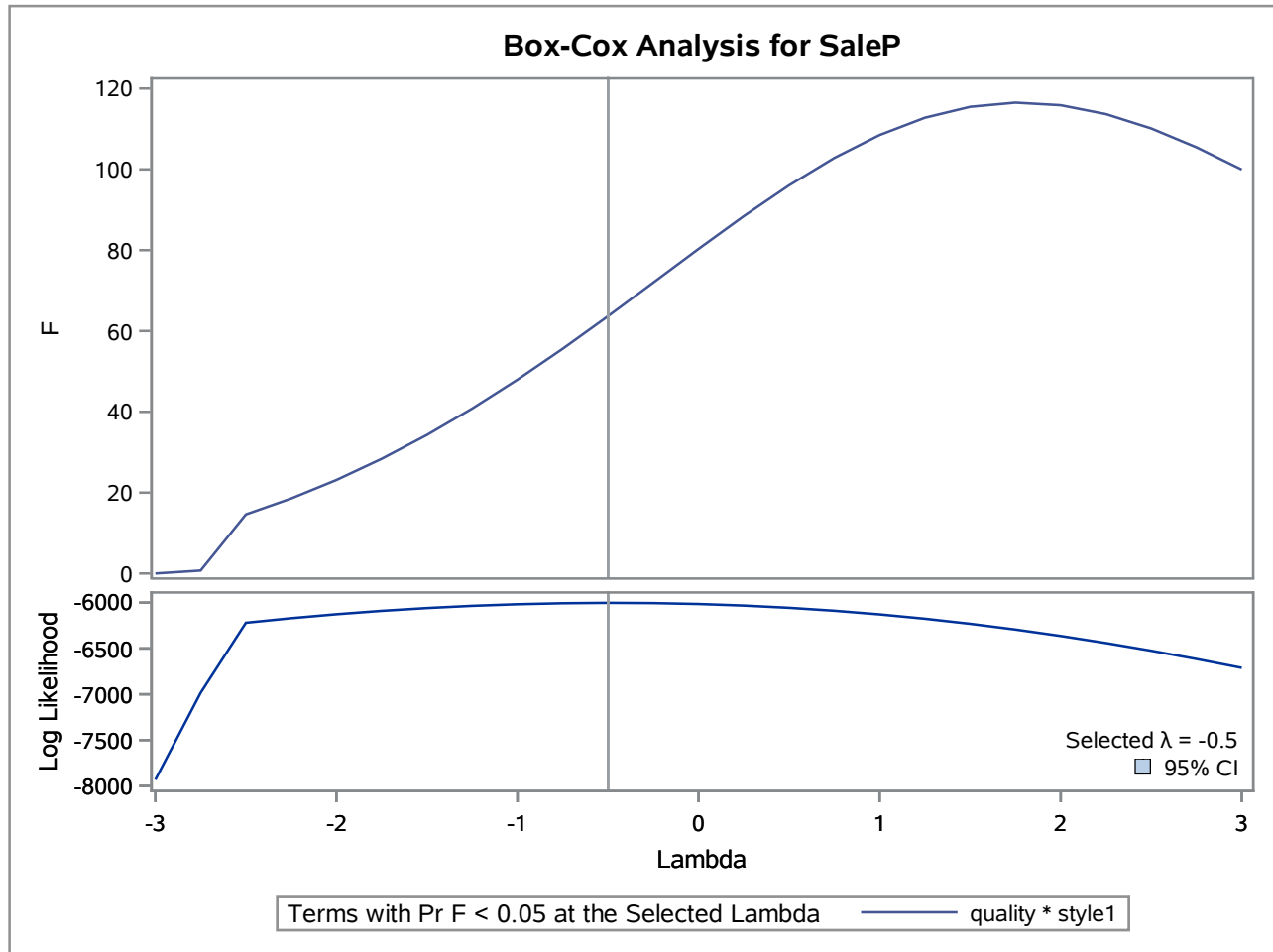
Bartlett's Test for Homogeneity of SaleP Variance			
Source	DF	Chi-Square	Pr > ChiSq
SQ	5	157.1	<.0001

## The GLM Procedure



Level of SQ	N	SaleP	
		Mean	Std Dev
11	25	577850.000	122372.425
12	77	256456.429	85835.971
13	112	169247.321	34884.338
21	43	523704.047	121985.740
22	213	280023.831	84470.887
23	52	187448.077	41420.968

## The TRANSREG Procedure



## The GLM Procedure

Class Level Information		
Class	Levels	Values
quality	3	1 2 3
style1	2	1 2

Number of Observations Read	522
Number of Observations Used	522

## The GLM Procedure

Dependent Variable: newSaleP1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	0.00005655	0.00001131	177.24	<.0001
Error	516	0.00003293	0.00000006		
Corrected Total	521	0.00008948			

R-Square	Coeff Var	Root MSE	newSaleP1 Mean
0.632007	12.38661	0.000253	0.002039

Source	DF	Type I SS	Mean Square	F Value	Pr > F
quality	2	0.00005539	0.00002770	434.02	<.0001
style1	1	0.00000070	0.00000070	11.03	0.0010
quality*style1	2	0.00000045	0.00000023	3.56	0.0290

Source	DF	Type III SS	Mean Square	F Value	Pr > F
quality	2	0.00004750	0.00002375	372.20	<.0001
style1	1	0.00000021	0.00000021	3.22	0.0734
quality*style1	2	0.00000045	0.00000023	3.56	0.0290

Parameter	Estimate		Standard Error	t Value	Pr >  t
Intercept	0.0023411477	B	0.00003503	66.83	<.0001
quality 1	-.0009326339	B	0.00005207	-17.91	<.0001
quality 2	-.0003923807	B	0.00003907	-10.04	<.0001
quality 3	0.0000000000	B	.	.	.
style1 1	0.0001272092	B	0.00004239	3.00	0.0028
style1 2	0.0000000000	B	.	.	.
quality*style1 1 1	-.0001990046	B	0.00007638	-2.61	0.0094
quality*style1 1 2	0.0000000000	B	.	.	.
quality*style1 2 1	-.0000329493	B	0.00005409	-0.61	0.5427
quality*style1 2 2	0.0000000000	B	.	.	.
quality*style1 3 1	0.0000000000	B	.	.	.
quality*style1 3 2	0.0000000000	B	.	.	.

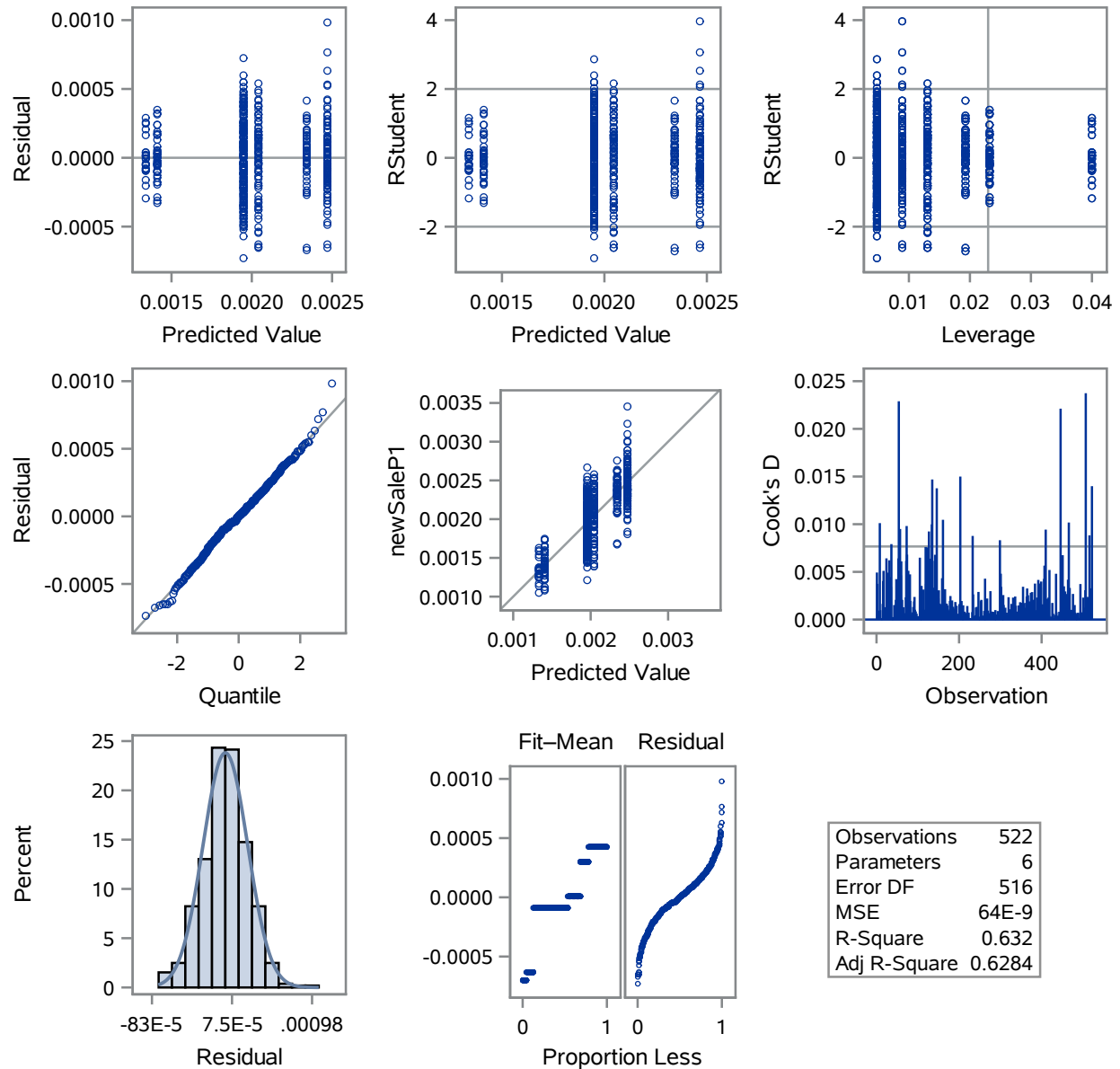
**Note:** The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations. Terms whose estimates are followed by the letter 'B' are not uniquely estimable.



## The GLM Procedure

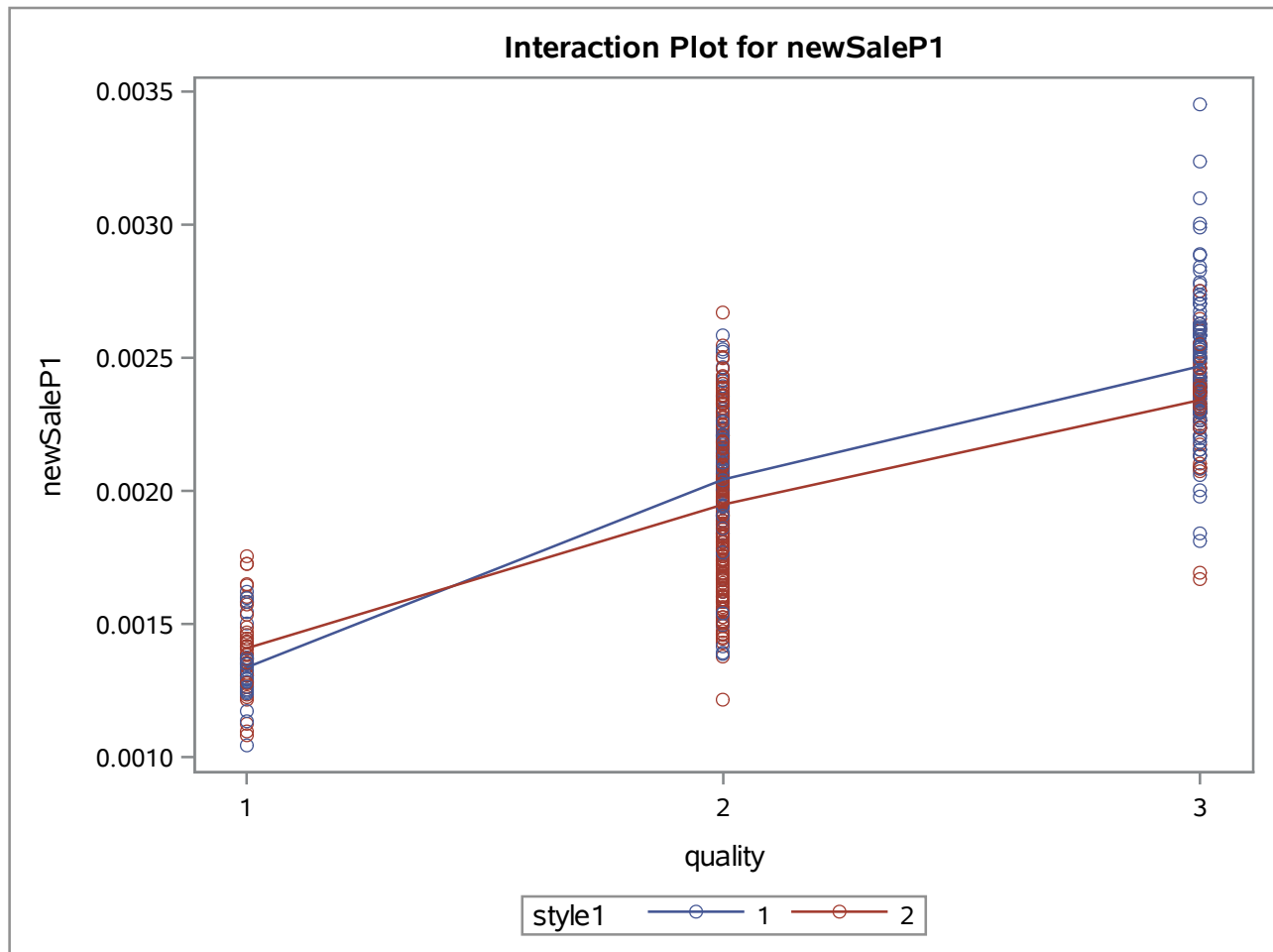
Dependent Variable: newSaleP1

## Fit Diagnostics for newSaleP1



## The GLM Procedure

Dependent Variable: newSaleP1



**The UNIVARIATE Procedure**  
**Variable: resid5**

Moments			
<b>N</b>	522	<b>Sum Weights</b>	522
<b>Mean</b>	0	<b>Sum Observations</b>	0
<b>Std Deviation</b>	0.0002514	<b>Variance</b>	6.32022E-8
<b>Skewness</b>	-0.003739	<b>Kurtosis</b>	0.41735419
<b>Uncorrected SS</b>	0.00003293	<b>Corrected SS</b>	0.00003293
<b>Coeff Variation</b>	.	<b>Std Error Mean</b>	0.000011

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.00000	<b>Std Deviation</b>	0.0002514
<b>Median</b>	0.00000	<b>Variance</b>	6.32022E-8
<b>Mode</b>	-0.00008	<b>Range</b>	0.00171
		<b>Interquartile Range</b>	0.0003130

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
<b>Student's t</b>	<b>t</b>	0	<b>Pr &gt;  t </b>	1.0000
<b>Sign</b>	<b>M</b>	2	<b>Pr &gt;=  M </b>	0.8955
<b>Signed Rank</b>	<b>S</b>	377.5	<b>Pr &gt;=  S </b>	0.9129

Tests for Normality				
Test	Statistic		p Value	
<b>Shapiro-Wilk</b>	<b>W</b>	0.995926	<b>Pr &lt; W</b>	0.1969
<b>Kolmogorov-Smirnov</b>	<b>D</b>	0.039663	<b>Pr &gt; D</b>	0.0449
<b>Cramer-von Mises</b>	<b>W-Sq</b>	0.101337	<b>Pr &gt; W-Sq</b>	0.1099
<b>Anderson-Darling</b>	<b>A-Sq</b>	0.555961	<b>Pr &gt; A-Sq</b>	0.1547

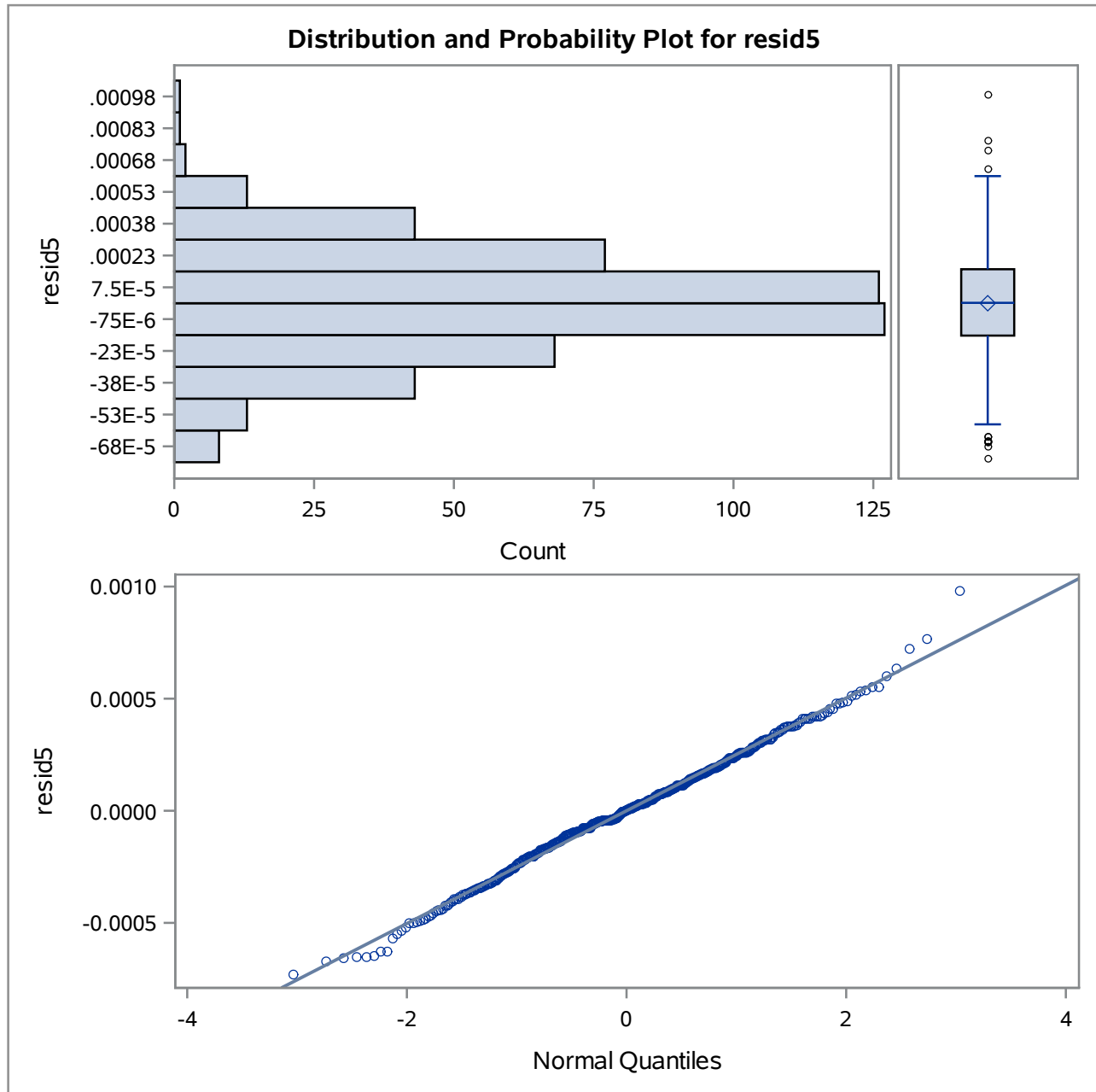
Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	0.000981971
<b>99%</b>	0.000552015
<b>95%</b>	0.000408911
<b>90%</b>	0.000315787
<b>75% Q3</b>	0.000160236
<b>50% Median</b>	0.000001835
<b>25% Q1</b>	-0.000152773

The UNIVARIATE Procedure  
Variable: resid5

Quantiles (Definition 5)	
Level	Quantile
10%	-0.000328683
5%	-0.000423781
1%	-0.000649561
0% Min	-0.000731606

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.000731606	144	0.000599469	33
-0.000674250	507	0.000632511	57
-0.000656276	203	0.000720035	24
-0.000654666	466	0.000767567	522
-0.000650839	446	0.000981971	54

## The UNIVARIATE Procedure



## The GLM Procedure

Class Level Information		
Class	Levels	Values
SQ	6	11 12 13 21 22 23

Number of Observations Read	522
Number of Observations Used	522

## The GLM Procedure

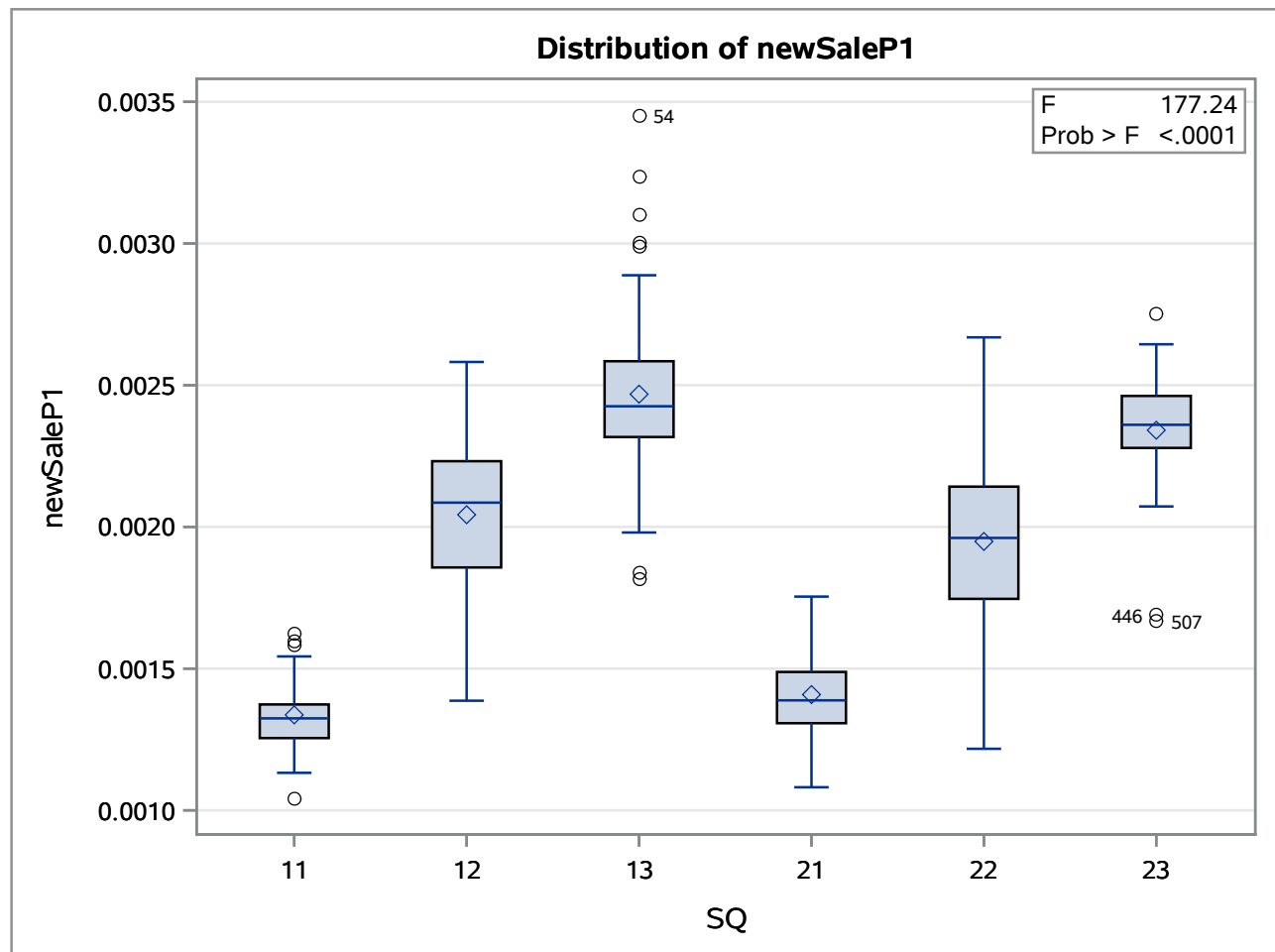
Dependent Variable: newSaleP1

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	0.00005655	0.00001131	177.24	<.0001
Error	516	0.00003293	0.00000006		
Corrected Total	521	0.00008948			

R-Square	Coeff Var	Root MSE	newSaleP1 Mean
0.632007	12.38661	0.000253	0.002039

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SQ	5	0.00005655	0.00001131	177.24	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SQ	5	0.00005655	0.00001131	177.24	<.0001

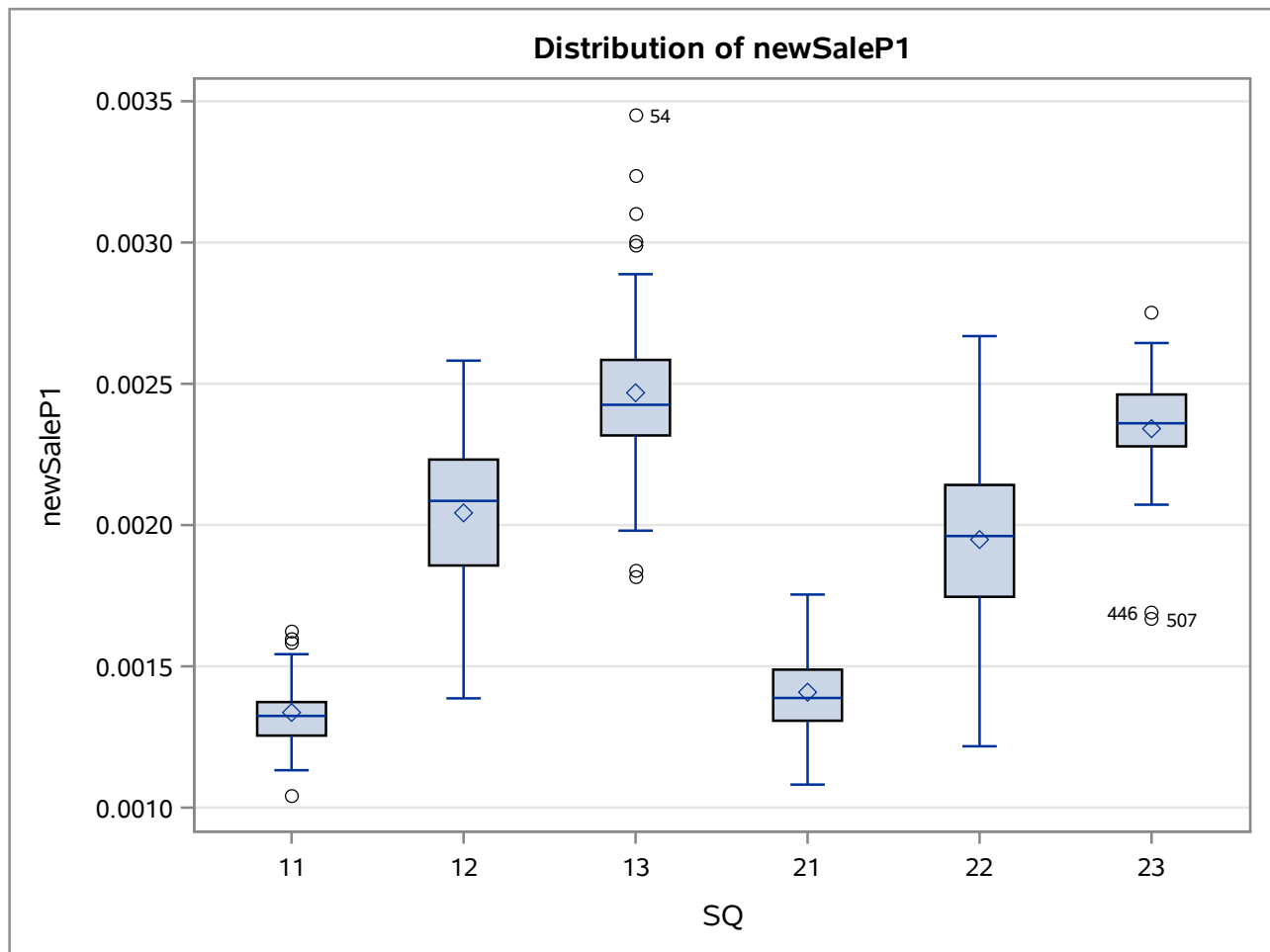


## The GLM Procedure

Bartlett's Test for Homogeneity of newSaleP1 Variance			
Source	DF	Chi-Square	Pr > ChiSq
SQ	5	33.4607	<.0001



## The GLM Procedure

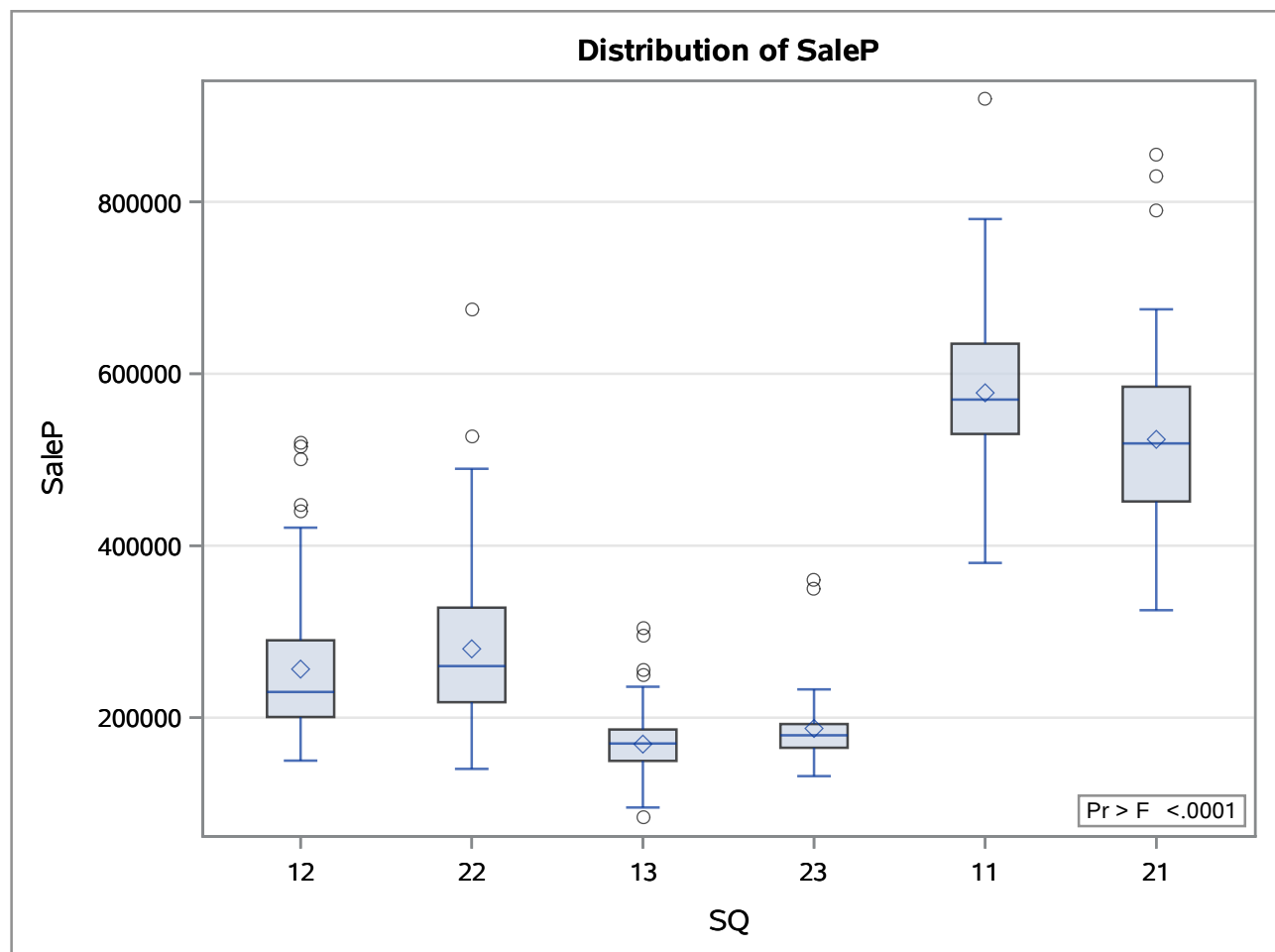


Level of SQ	N	newSaleP1	
		Mean	Std Dev
11	25	0.00133672	0.00014215
12	77	0.00204303	0.00028872
13	112	0.00246836	0.00025445
21	43	0.00140851	0.00016045
22	213	0.00194877	0.00027219
23	52	0.00234115	0.00020452

## The NPAR1WAY Procedure

Analysis of Variance for Variable SaleP Classified by Variable SQ		
SQ	N	Mean
12	77	256456.429
22	213	280023.831
13	112	169247.321
23	52	187448.077
11	25	577850.000
21	43	523704.047

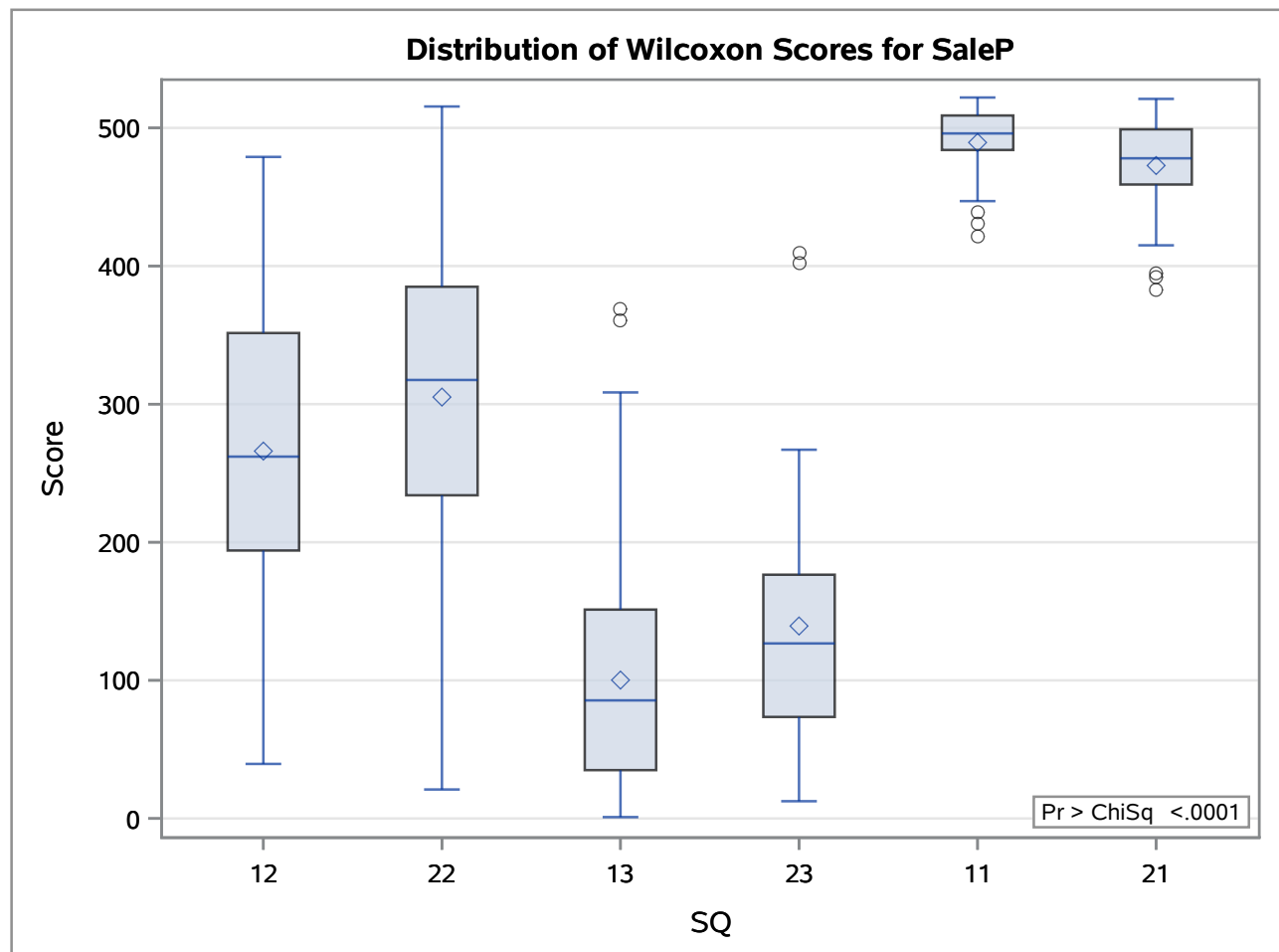
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	5	6631307465069	1.326261E12	208.6687	<.0001
Within	516	3279604425873	6355822531		
Average scores were used for ties.					



## The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
12	77	20481.00	20135.50	1222.02472	265.987013
22	213	64988.00	55699.50	1693.65000	305.107981
13	112	11222.50	29288.00	1414.67137	100.200893
23	52	7247.00	13598.00	1032.06066	139.365385
11	25	12236.00	6537.50	735.87292	489.440000
21	43	20328.50	11244.50	947.45067	472.755814
Average scores were used for ties.					

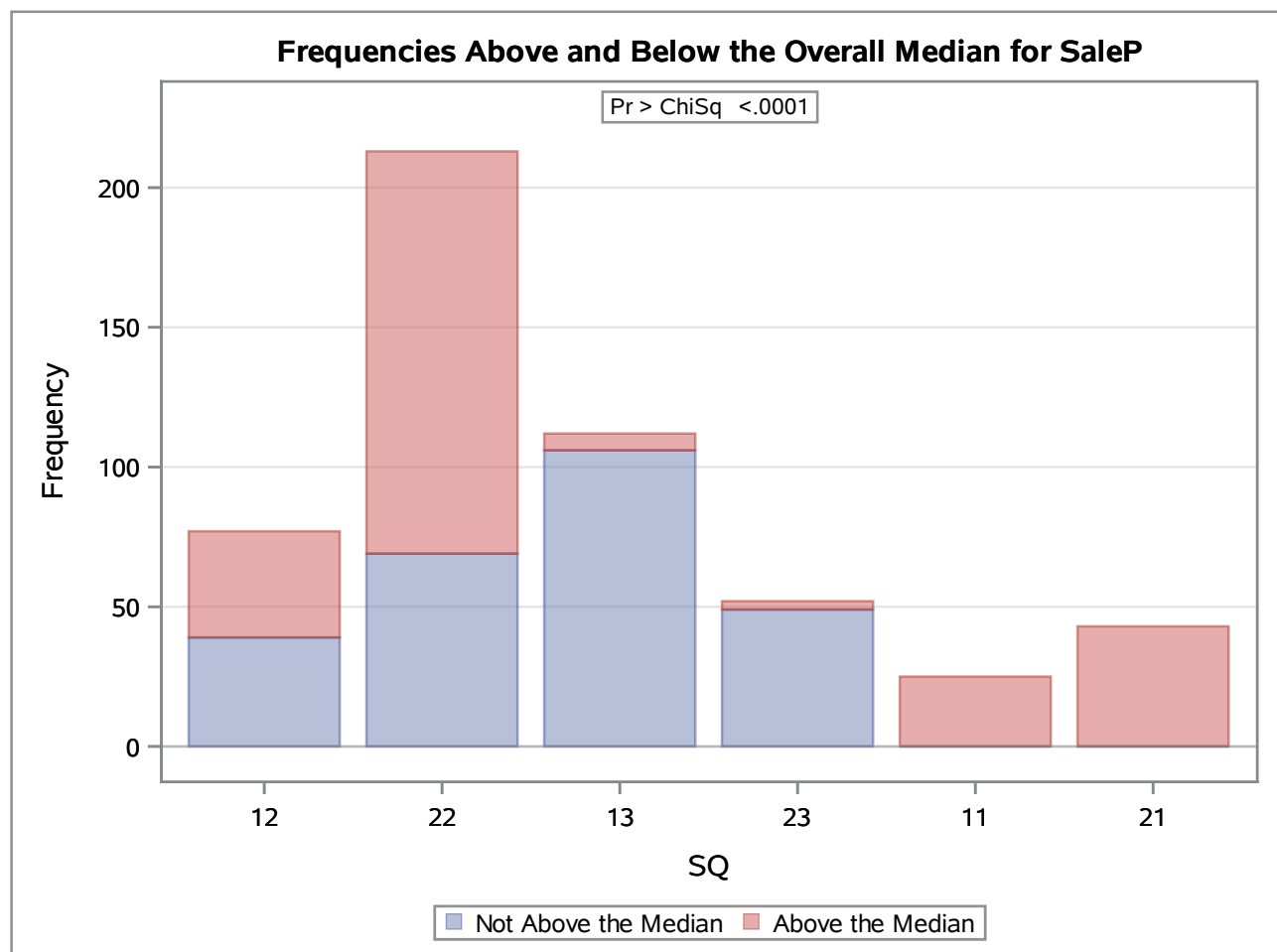
Kruskal-Wallis Test	
Chi-Square	321.5042
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
12	77	38.666667	38.50	4.044496	0.502165
22	213	144.666667	106.50	5.605418	0.679186
13	112	6.000000	56.00	4.682092	0.053571
23	52	3.666667	26.00	3.415778	0.070513
11	25	25.000000	12.50	2.435495	1.000000
21	43	43.000000	21.50	3.135747	1.000000
Average scores were used for ties.					

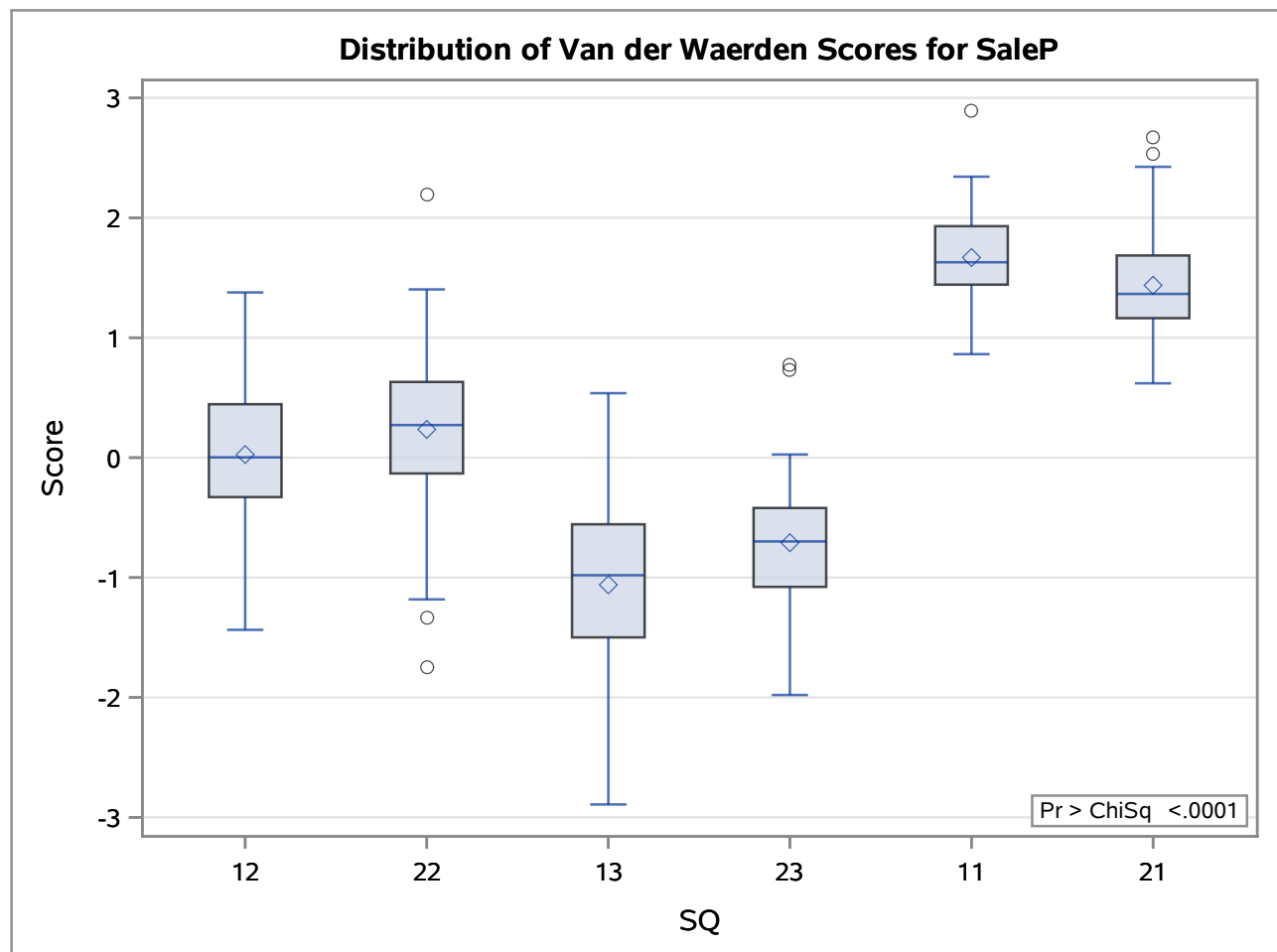
Median One-Way Analysis	
Chi-Square	223.7261
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
12	77	1.958417	0.0	8.025626	0.025434
22	213	50.160971	0.0	11.123017	0.235498
13	112	-118.77287	0.0	9.290830	-1.060472
23	52	-36.879791	0.0	6.778040	-0.709227
11	25	41.728179	0.0	4.832833	1.669127
21	43	61.805088	0.0	6.222366	1.437328
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	328.6210
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable SaleP Classified by Variable SQ					
SQ	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
12	77	-12.002933	0.0	8.056299	-0.155882
22	213	3.365723	0.0	11.165527	0.015802
13	112	-85.526161	0.0	9.326338	-0.763626
23	52	-34.011412	0.0	6.803945	-0.654066
11	25	54.653842	0.0	4.851303	2.186154
21	43	73.520942	0.0	6.246147	1.709789
Average scores were used for ties.					

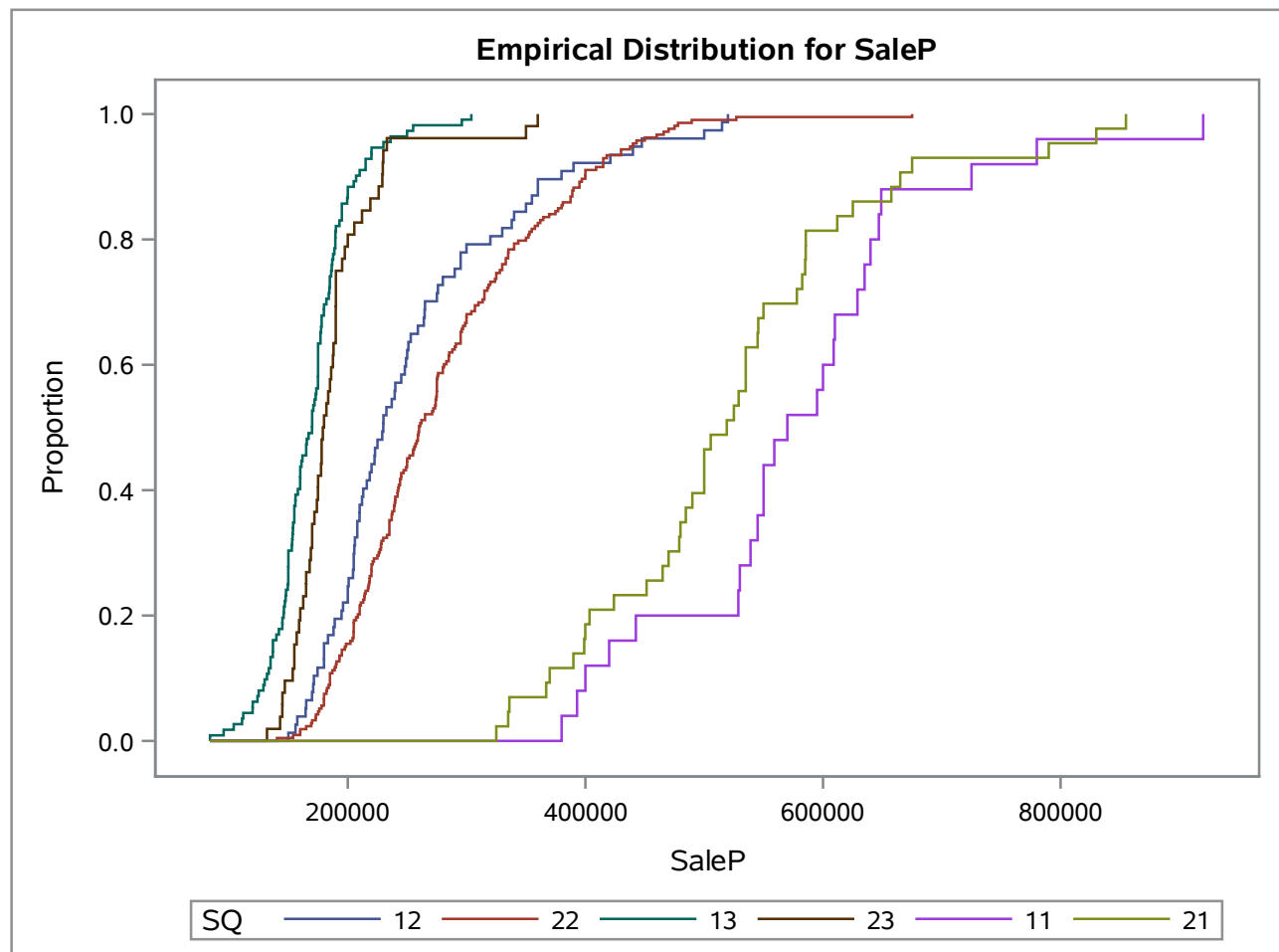
Savage One-Way Analysis	
Chi-Square	338.4714
DF	5
Pr > Chi-Square	<.0001



## The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable SaleP Classified by Variable SQ			
SQ	N	EDF at Maximum	Deviation from Mean at Maximum
12	77	0.246753	-1.079132
22	213	0.154930	-3.134935
13	112	0.883929	5.441747
23	52	0.807692	3.158178
11	25	0.000000	-1.848659
21	43	0.000000	-2.424494
Total	522	0.369732	
Maximum Deviation Occurred at Observation 65			
Value of SaleP at Maximum = 200000.0			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.338678	KSa	7.737878



## The NPAR1WAY Procedure

Cramer-von Mises Test for Variable SaleP Classified by Variable SQ		
SQ	N	Summed Deviation from Mean
12	77	0.470513
22	213	3.574901
13	112	13.268561
23	52	3.932545
11	25	6.242575
21	43	9.250671

Cramer-von Mises Statistics (Asymptotic)			
CM	0.070383	CMa	36.739766