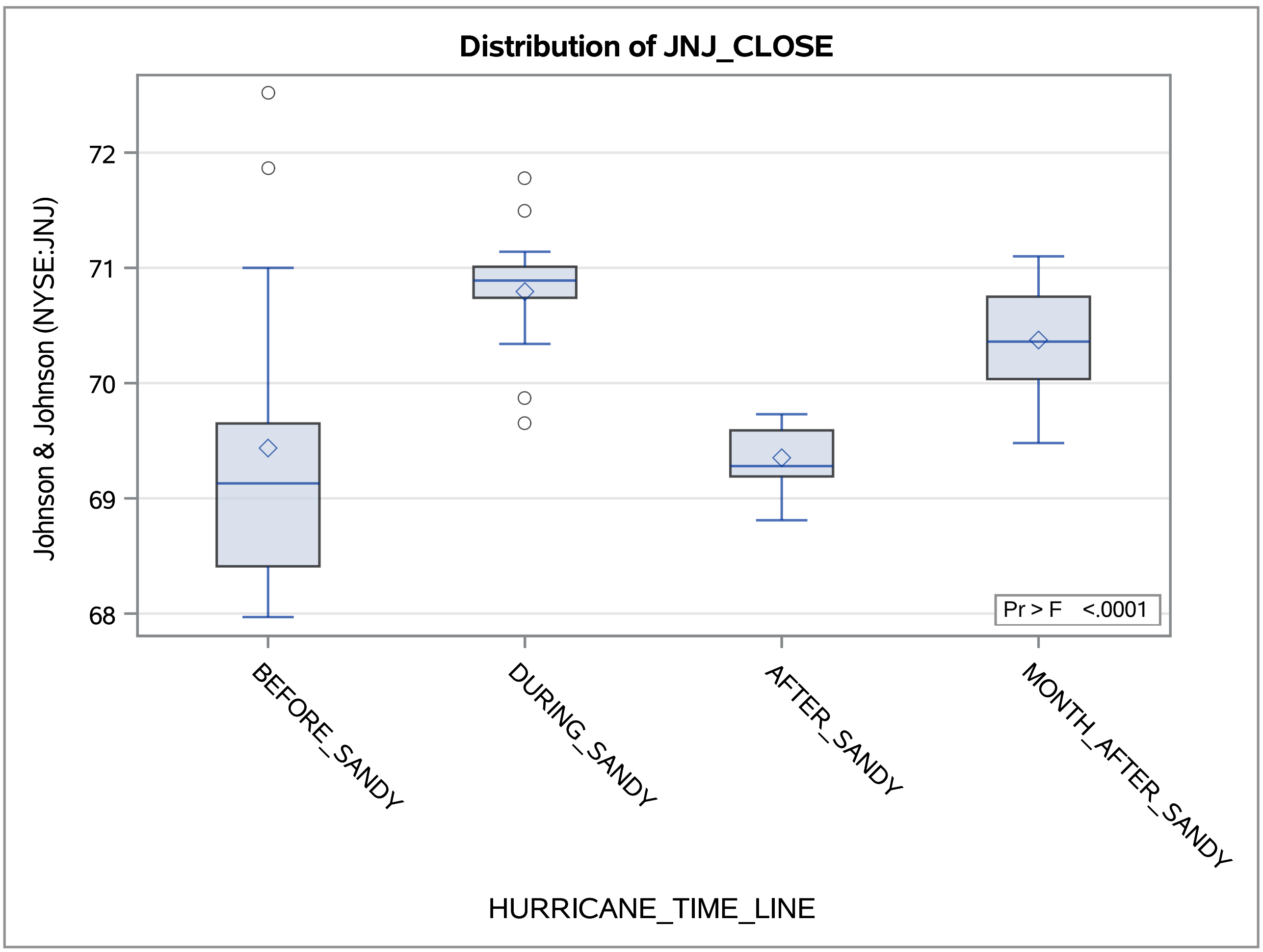
NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable JNJ_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Mean
BEFORE_SANDY	15	69.436667
DURING_SANDY	13	70.794615
AFTER_SANDY	14	69.352143
MONTH_AFTER_SANDY	20	70.374000

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	21.640771	7.213590	11.8864	<.0001
Within	58	35.198972	0.606879		
Average scores were used for ties.					

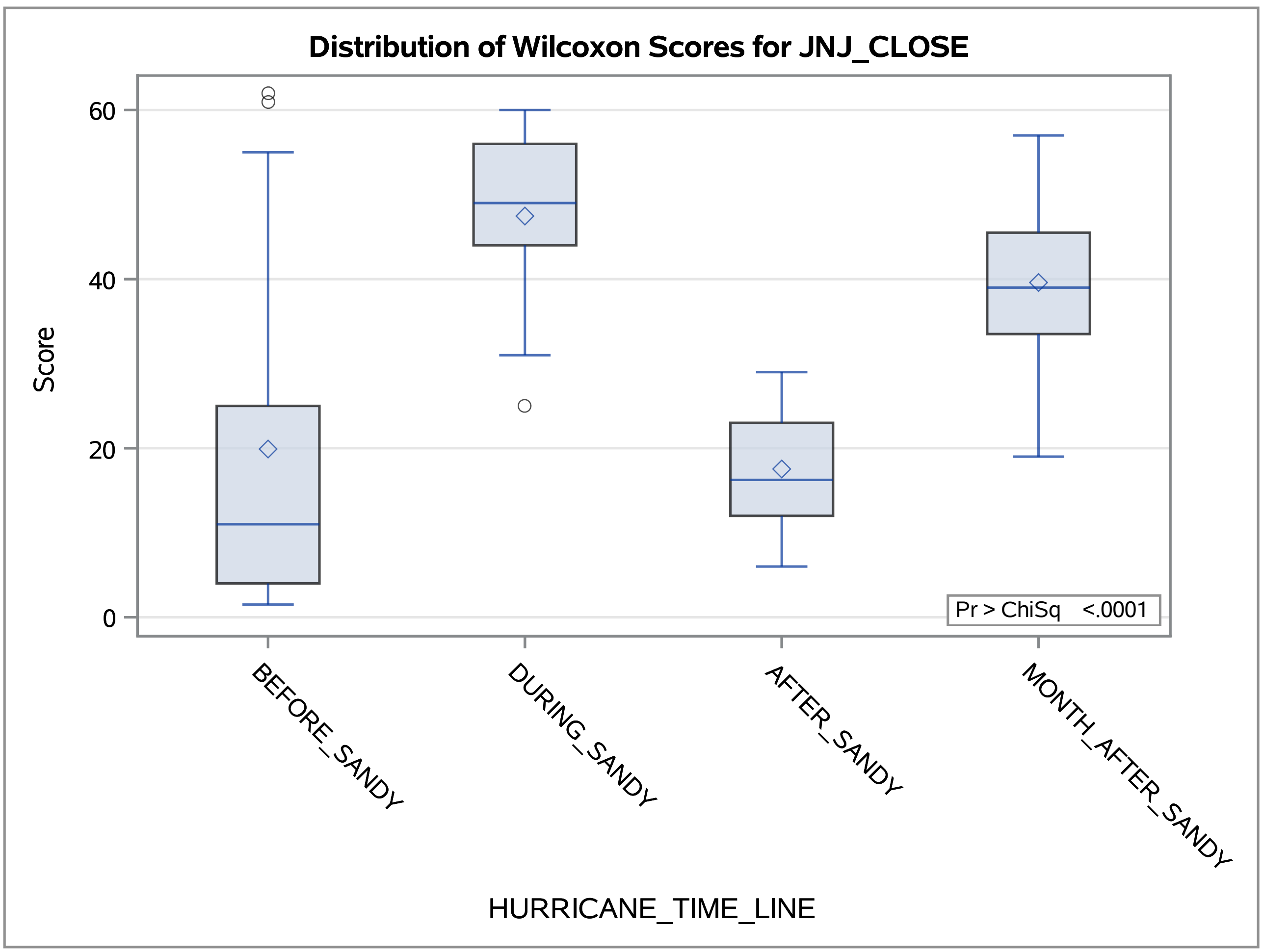


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable JNJ_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	298.50	472.50	60.831771	19.900000
DURING_SANDY	13	617.00	409.50	57.823665	47.461538
AFTER_SANDY	14	245.50	441.00	59.390986	17.535714
MONTH_AFTER_SANDY	20	792.00	630.00	66.401141	39.600000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	28.8004
DF	3
Pr > Chi-Square	<.0001

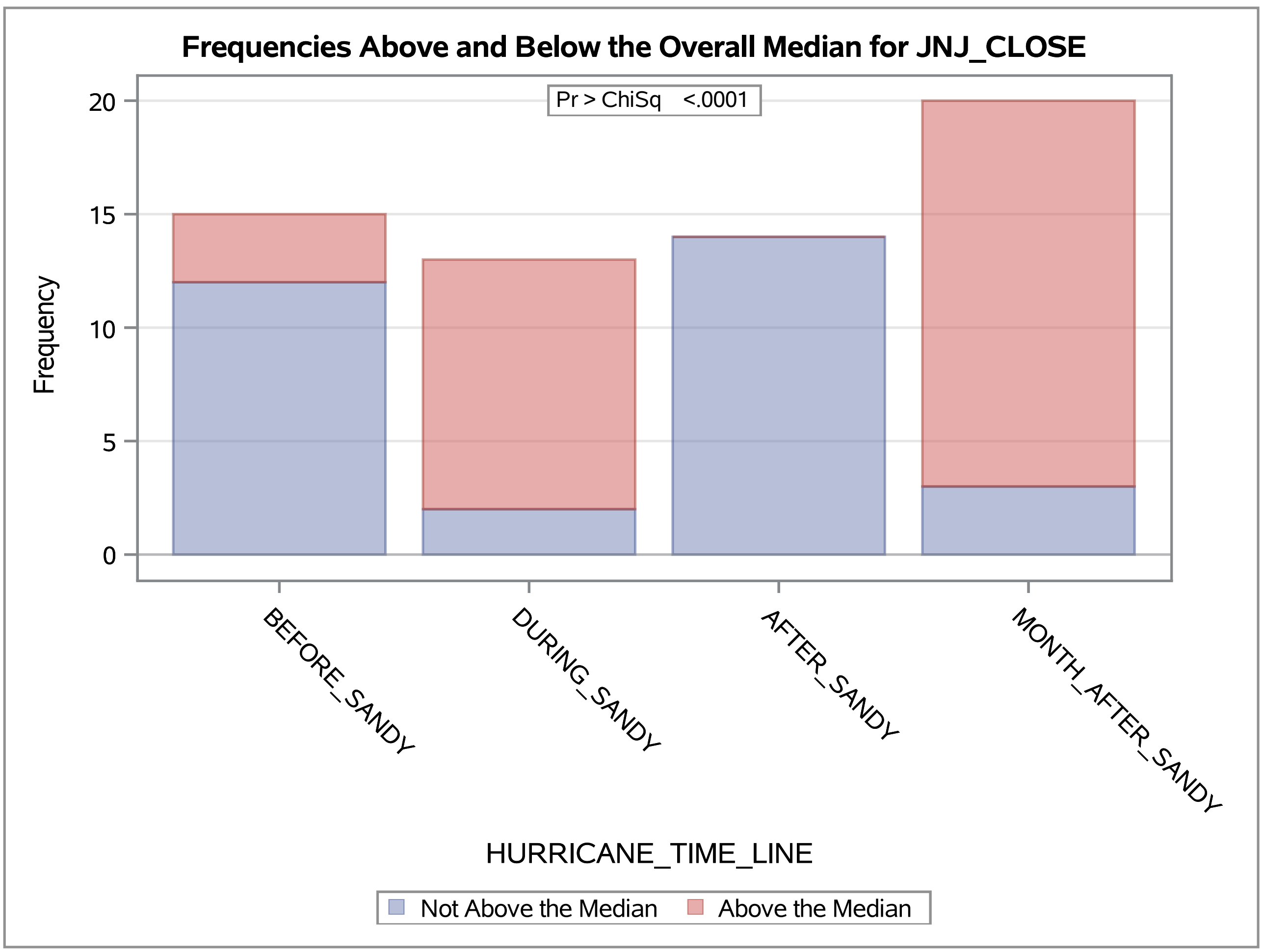


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable JNJ_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	3.0	7.50	1.699807	0.200000
DURING_SANDY	13	11.0	6.50	1.615752	0.846154
AFTER_SANDY	14	0.0	7.00	1.659548	0.000000
MONTH_AFTER_SANDY	20	17.0	10.00	1.855431	0.850000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	34.8593
DF	3
Pr > Chi-Square	<.0001

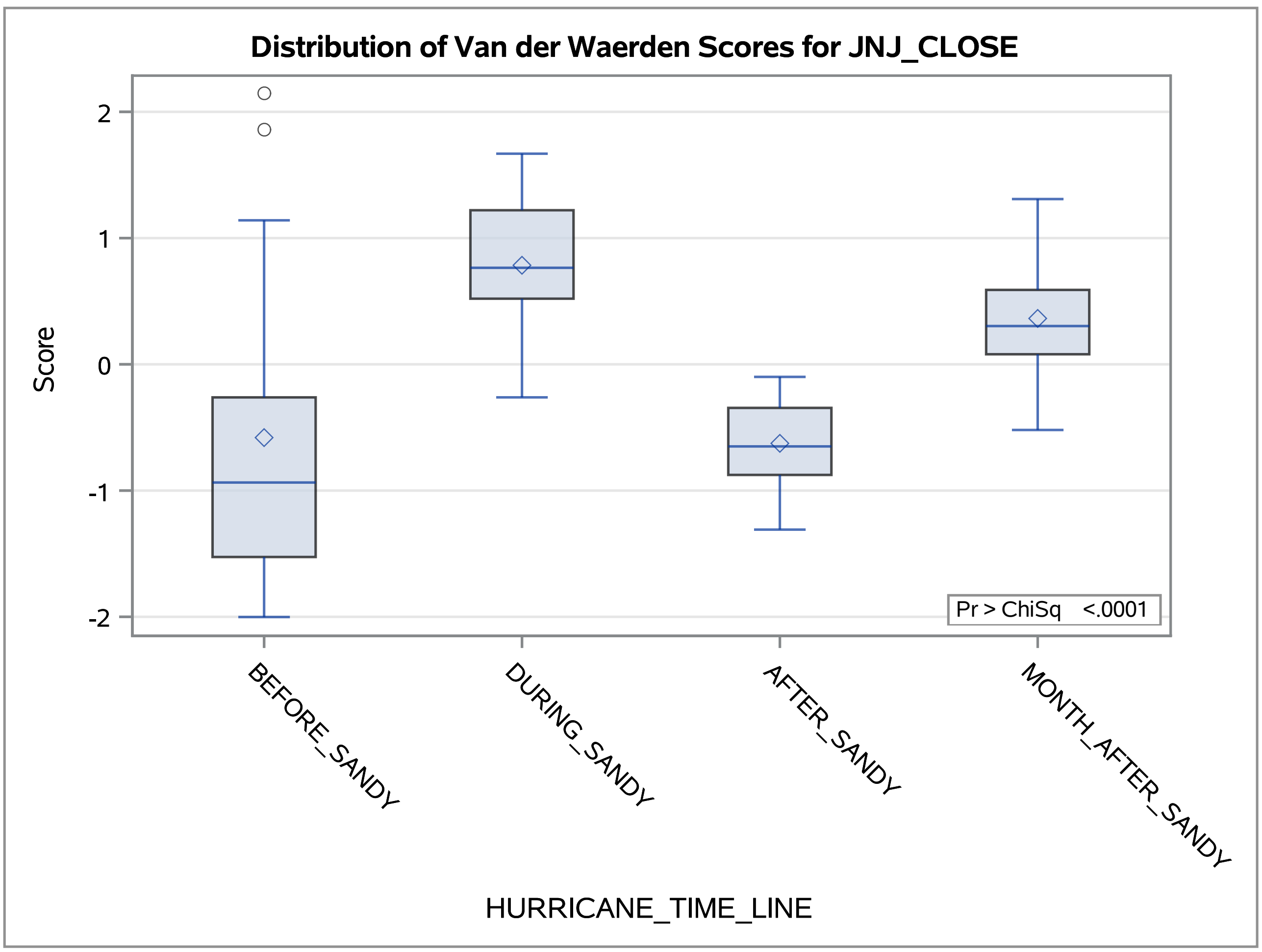


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable JNJ_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-8.706265	0.0	3.204346	-0.580418
DURING_SANDY	13	10.200199	0.0	3.045892	0.784631
AFTER_SANDY	14	-8.763529	0.0	3.128452	-0.625966
MONTH_AFTER_SANDY	20	7.269595	0.0	3.497716	0.363480
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	23.4607
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

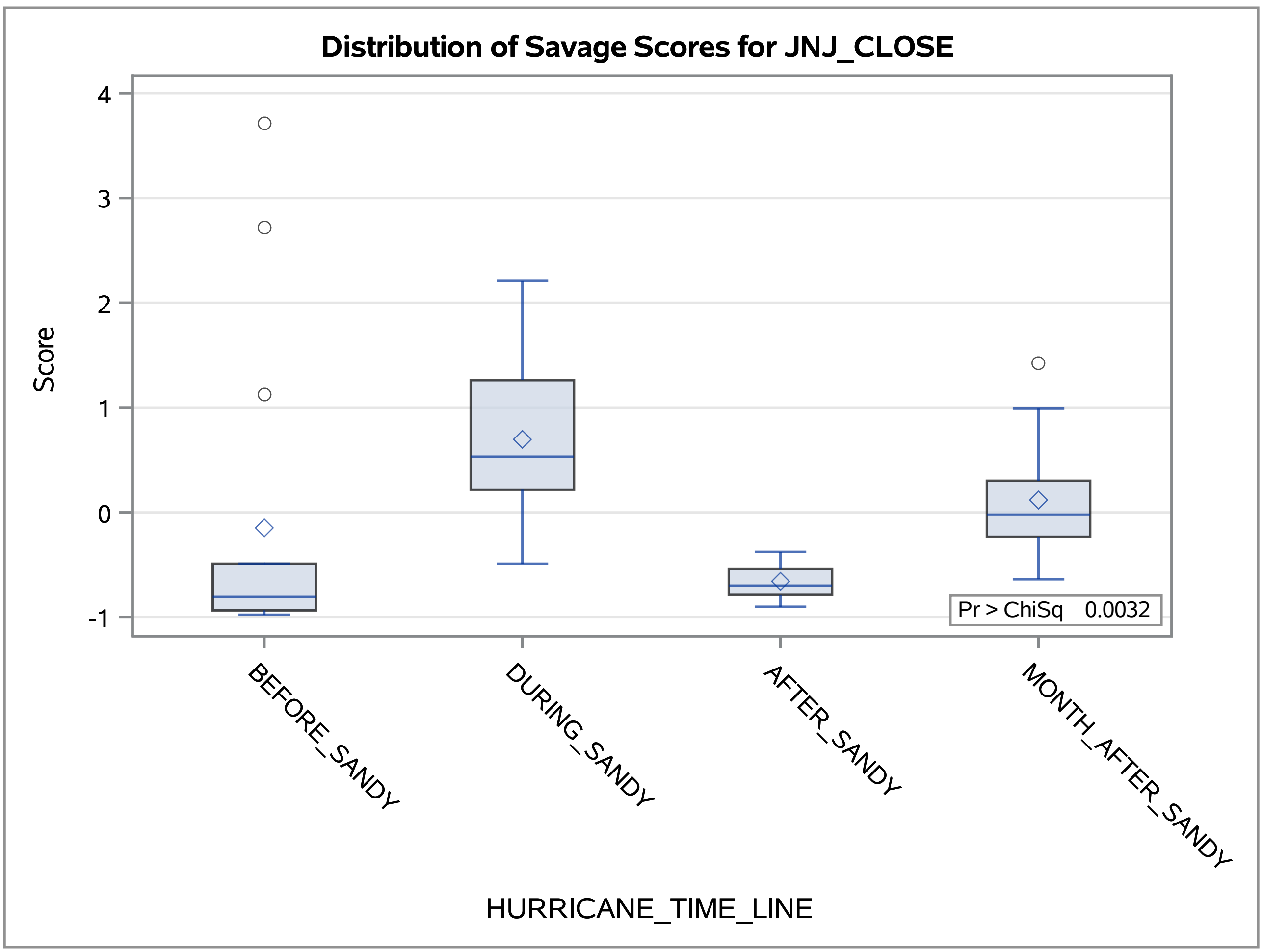
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable JNJ_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-2.213759	0.0	3.267666	-0.147584
DURING_SANDY	13	9.063434	0.0	3.106081	0.697187
AFTER_SANDY	14	-9.205025	0.0	3.190272	-0.657502
MONTH_AFTER_SANDY	20	2.355350	0.0	3.566833	0.117768

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	13.8179
DF	3
Pr > Chi-Square	0.0032



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

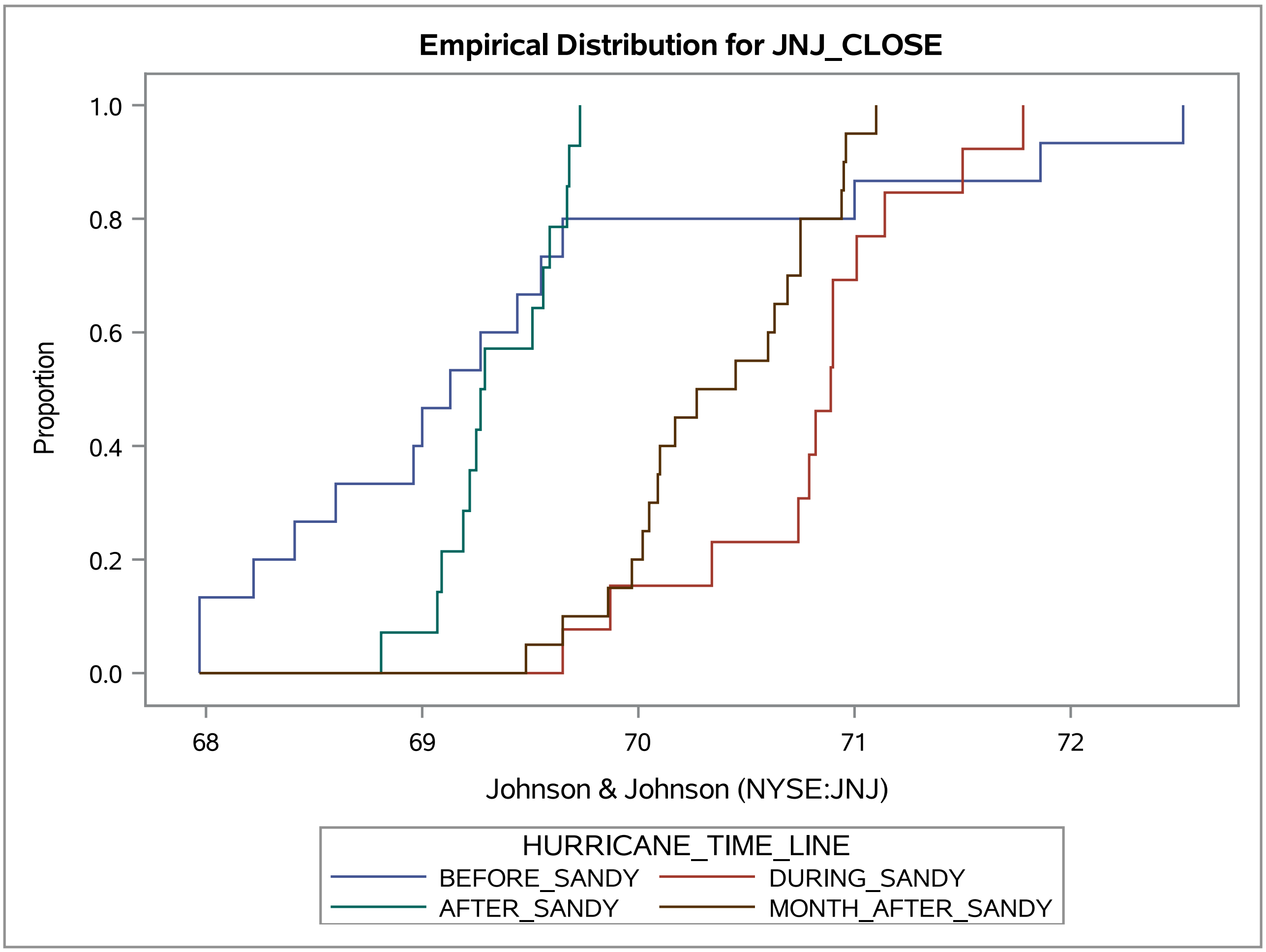
The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable JNJ_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	0.800000	1.286830
DURING_SANDY	13	0.076923	-1.409117
AFTER_SANDY	14	1.000000	1.991527
MONTH_AFTER_SANDY	20	0.100000	-1.644592
Total	62	0.467742	
Maximum Deviation Occurred at Observation 42			
Value of JNJ_CLOSE at Maximum = 69.730			

Kolmogorov-Smirnov Statistics (Asymptotic)

KS	0.407835	KSa	3.211294



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable JNJ_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.904694
DURING_SANDY	13	1.122071
AFTER_SANDY	14	1.129029
MONTH_AFTER_SANDY	20	0.745789

Cramer-von Mises Statistics (Asymptotic)

CM	0.062929	CMa	3.901582

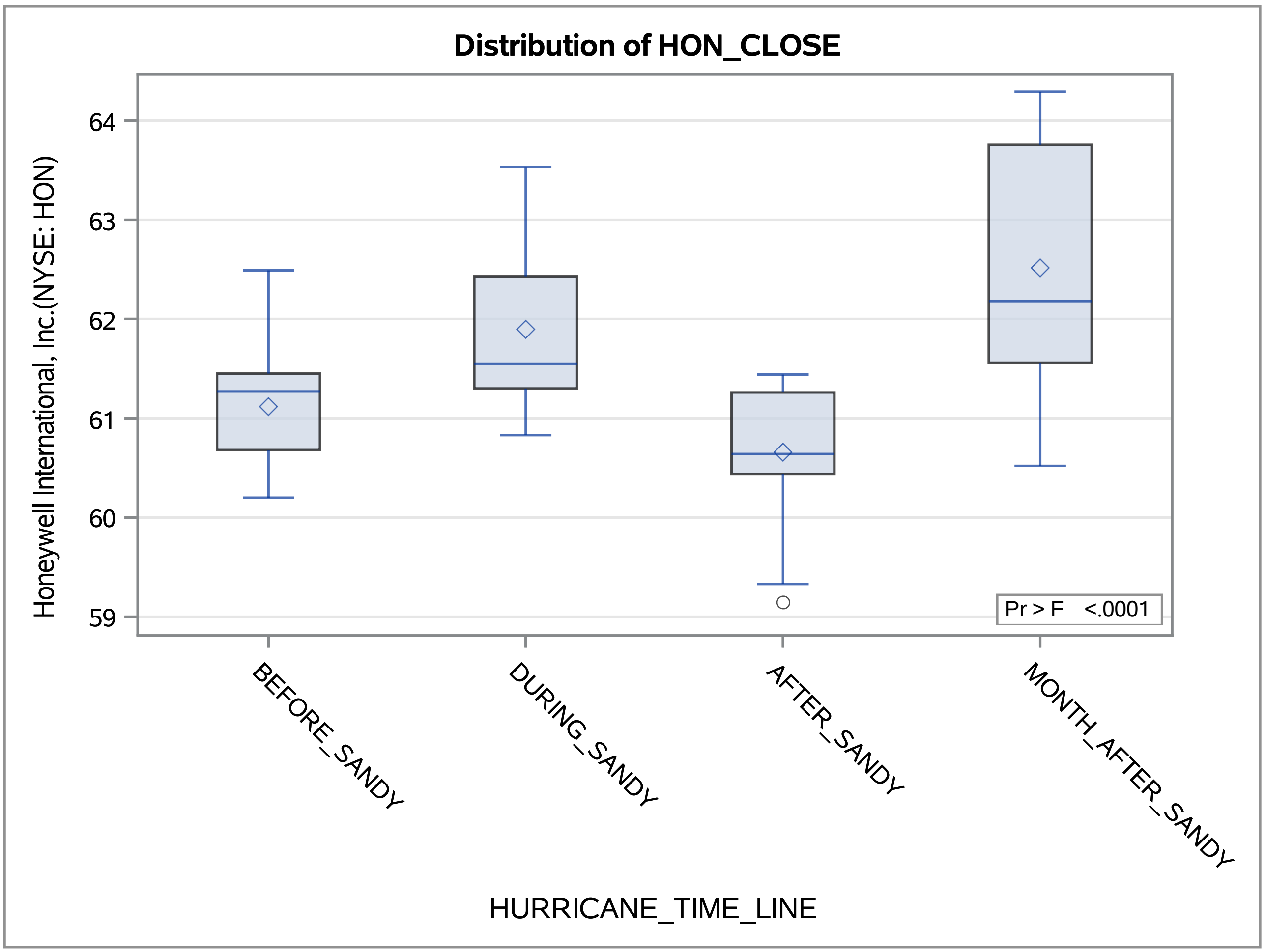
NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable HON_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Mean
BEFORE_SANDY	15	61.118000
DURING_SANDY	13	61.896154
AFTER_SANDY	14	60.657857
MONTH_AFTER_SANDY	20	62.515000

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	33.748144	11.249381	12.9476	<.0001
Within	58	50.392683	0.868839		
Average scores were used for ties.					

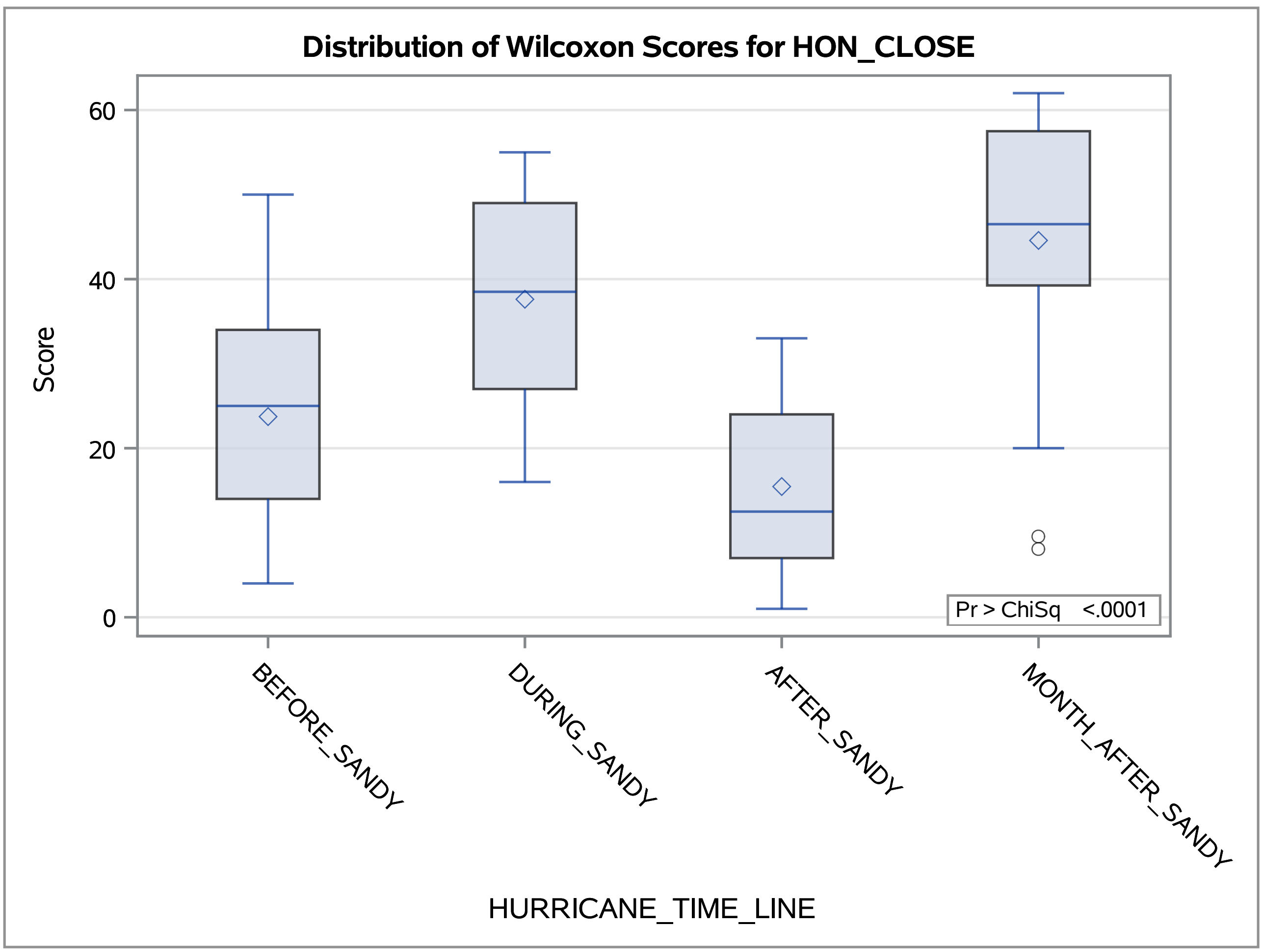


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable HON_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	356.00	472.50	60.831771	23.733333
DURING_SANDY	13	489.00	409.50	57.823665	37.615385
AFTER_SANDY	14	216.50	441.00	59.390986	15.464286
MONTH_AFTER_SANDY	20	891.50	630.00	66.401141	44.575000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	25.8427
DF	3
Pr > Chi-Square	<.0001

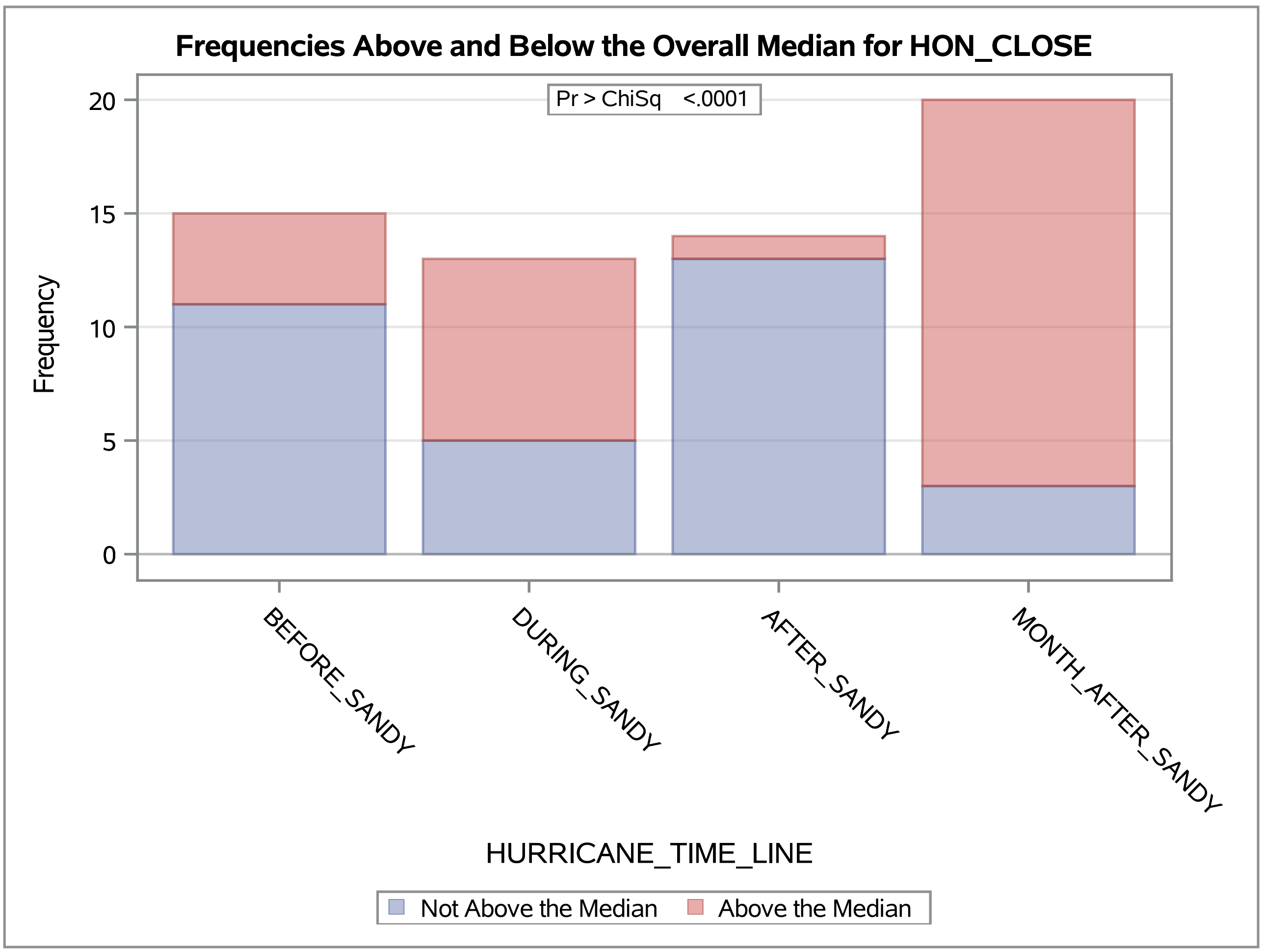


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable HON_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	4.50	7.50	1.672166	0.300000
DURING_SANDY	13	8.50	6.50	1.589478	0.653846
AFTER_SANDY	14	1.00	7.00	1.632561	0.071429
MONTH_AFTER_SANDY	20	17.00	10.00	1.825259	0.850000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	24.1118
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

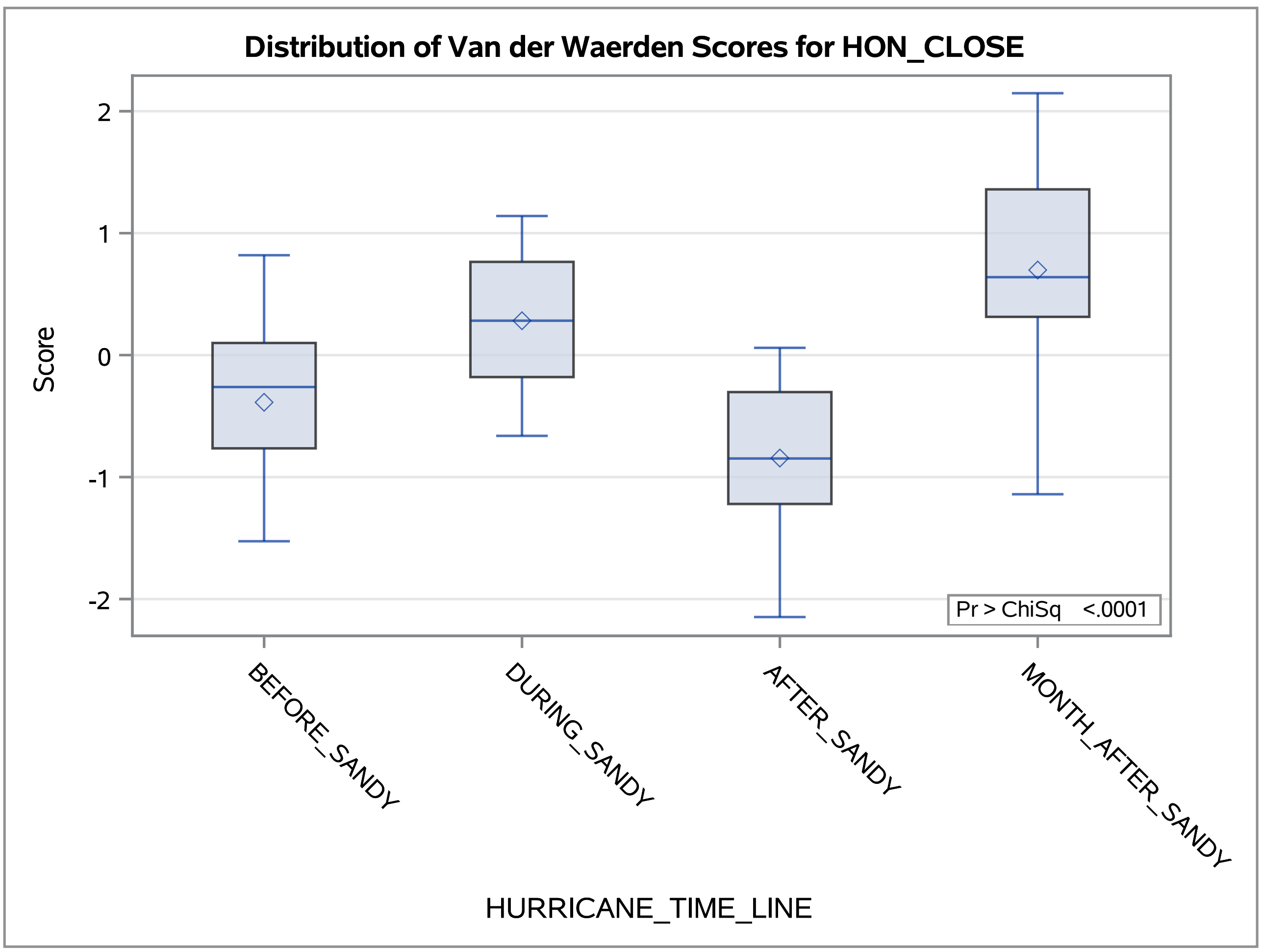
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable HON_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-5.803984	0.0	3.205554	-0.386932
DURING_SANDY	13	3.665471	0.0	3.047041	0.281959
AFTER_SANDY	14	-11.815424	0.0	3.129631	-0.843959
MONTH_AFTER_SANDY	20	13.953937	0.0	3.499034	0.697697

Average scores were used for ties.

Van der Waerden One-Way Analysis	
Chi-Square	25.4370
DF	3
Pr > Chi-Square	<.0001

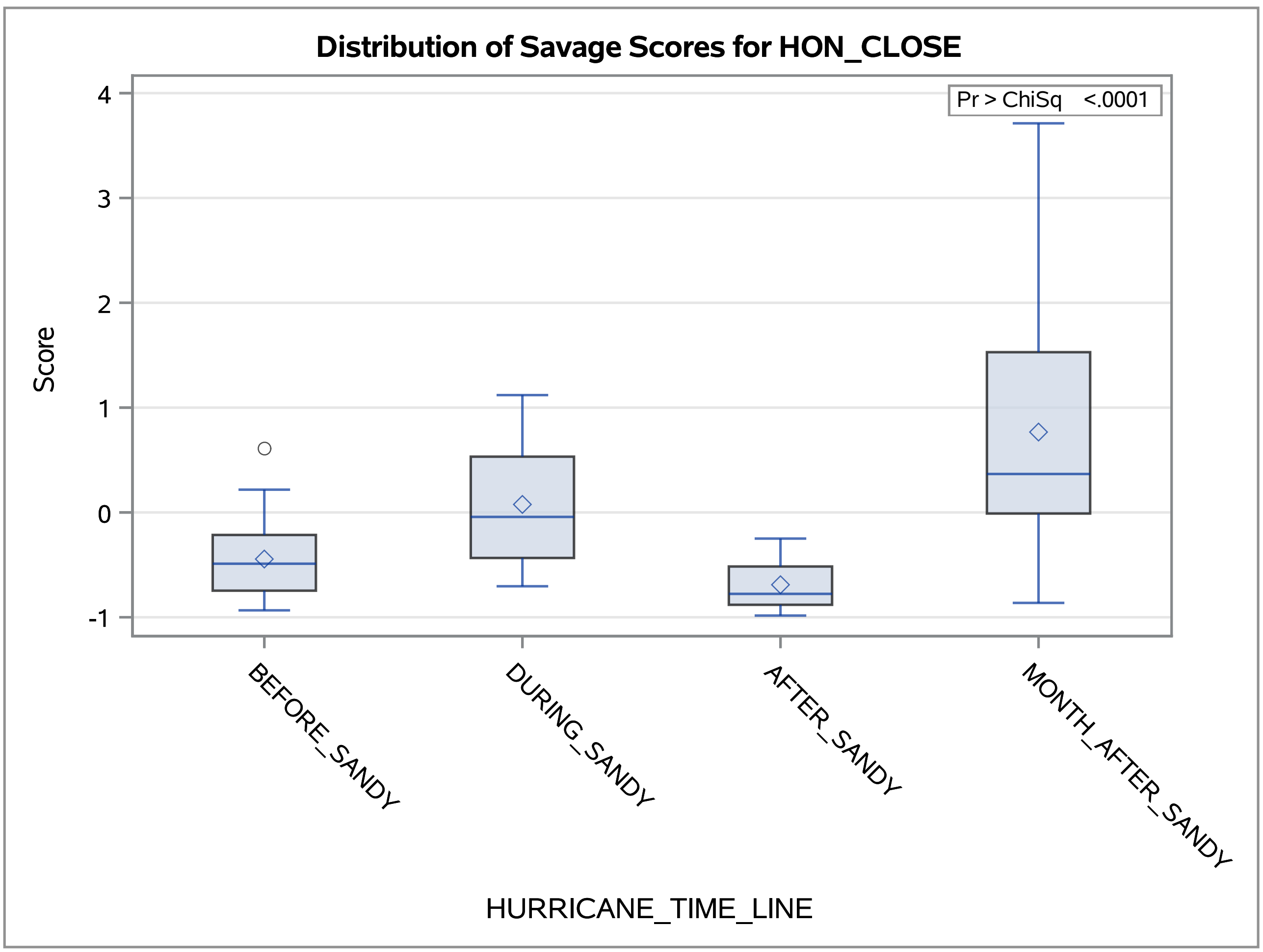


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable HON_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-6.671714	0.0	3.267765	-0.444781
DURING_SANDY	13	0.990808	0.0	3.106175	0.076216
AFTER_SANDY	14	-9.657395	0.0	3.190369	-0.689814
MONTH_AFTER_SANDY	20	15.338301	0.0	3.566940	0.766915
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	22.8605
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

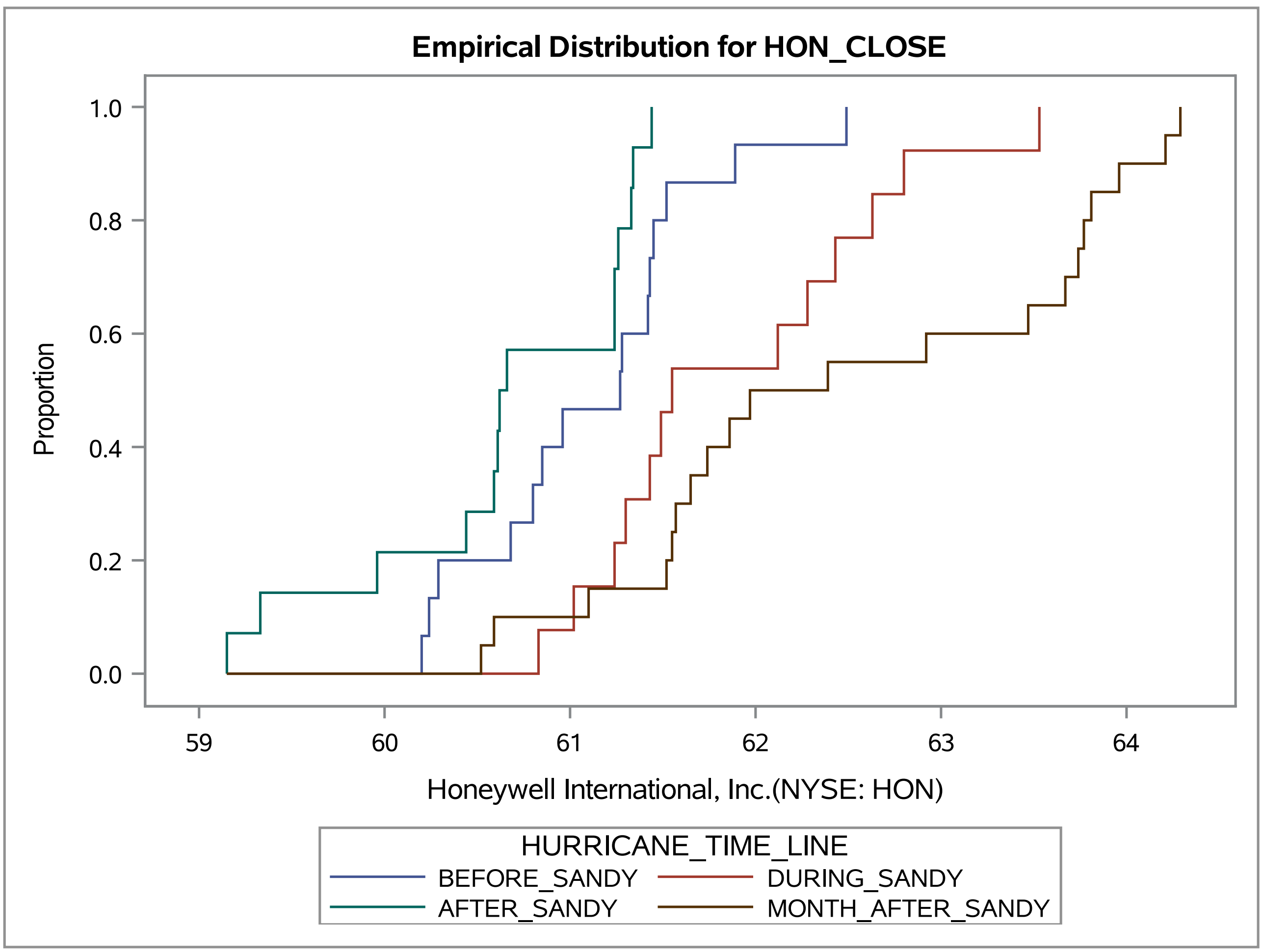
The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable HON_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	0.800000	0.974493
DURING_SANDY	13	0.384615	-0.590487
AFTER_SANDY	14	1.000000	1.689781
MONTH_AFTER_SANDY	20	0.150000	-1.781641
Total	62	0.548387	
Maximum Deviation Occurred at Observation 2			
Value of HON_CLOSE at Maximum = 61.450			

Kolmogorov-Smirnov Statistics (Asymptotic)

KS	0.343791	KSa	2.707012



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable HON_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.331514
DURING_SANDY	13	0.230718
AFTER_SANDY	14	1.167903
MONTH_AFTER_SANDY	20	1.145094

Cramer-von Mises Statistics (Asymptotic)

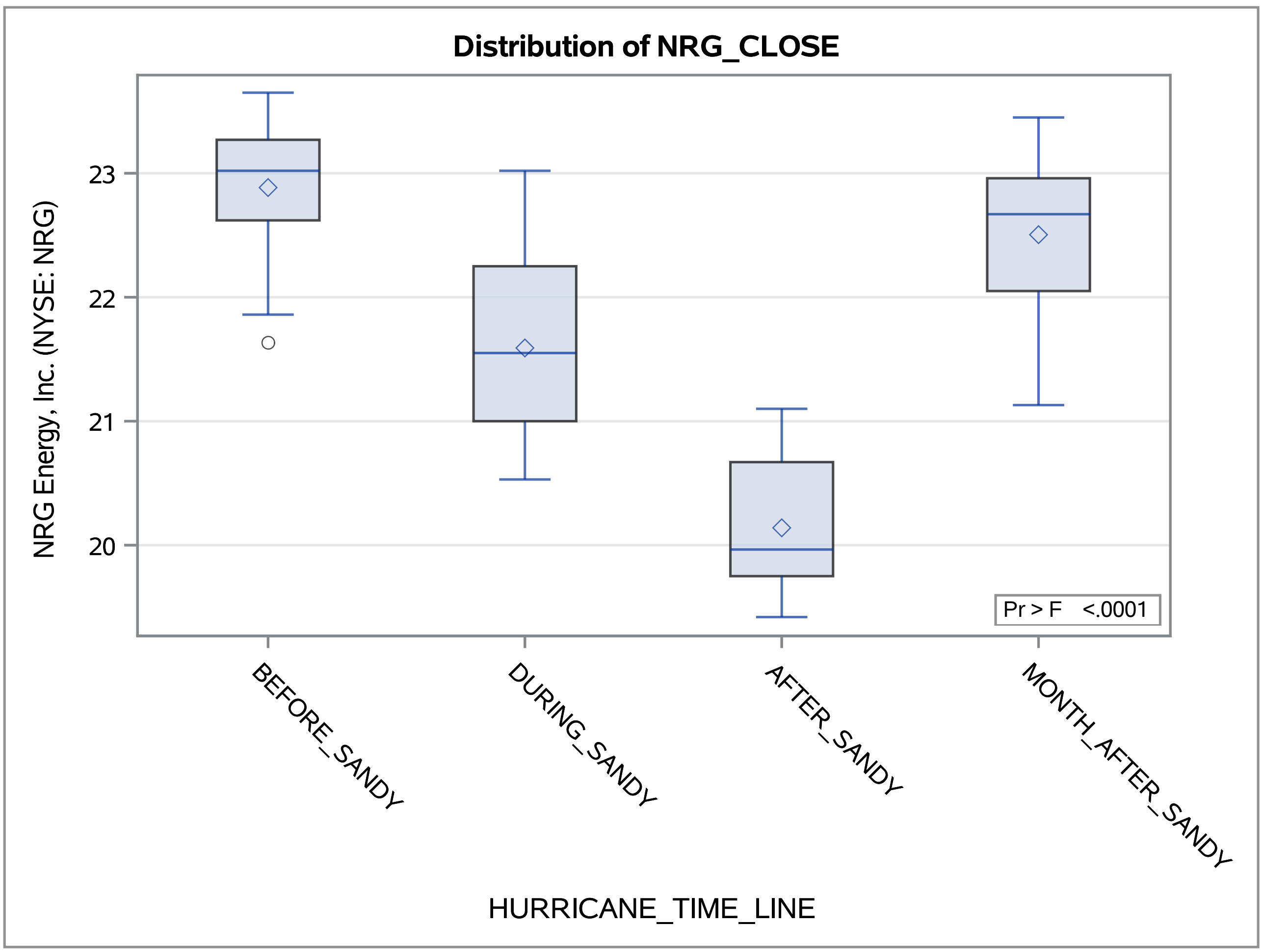
CM	0.046375	CMa	2.875229

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable NRG_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Mean
BEFORE_SANDY	15	22.884667
DURING_SANDY	13	21.590769
AFTER_SANDY	14	20.140000
MONTH_AFTER_SANDY	20	22.504500

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	66.409181	22.136394	53.9205	<.0001
Within	58	23.811161	0.410537		
Average scores were used for ties.					



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

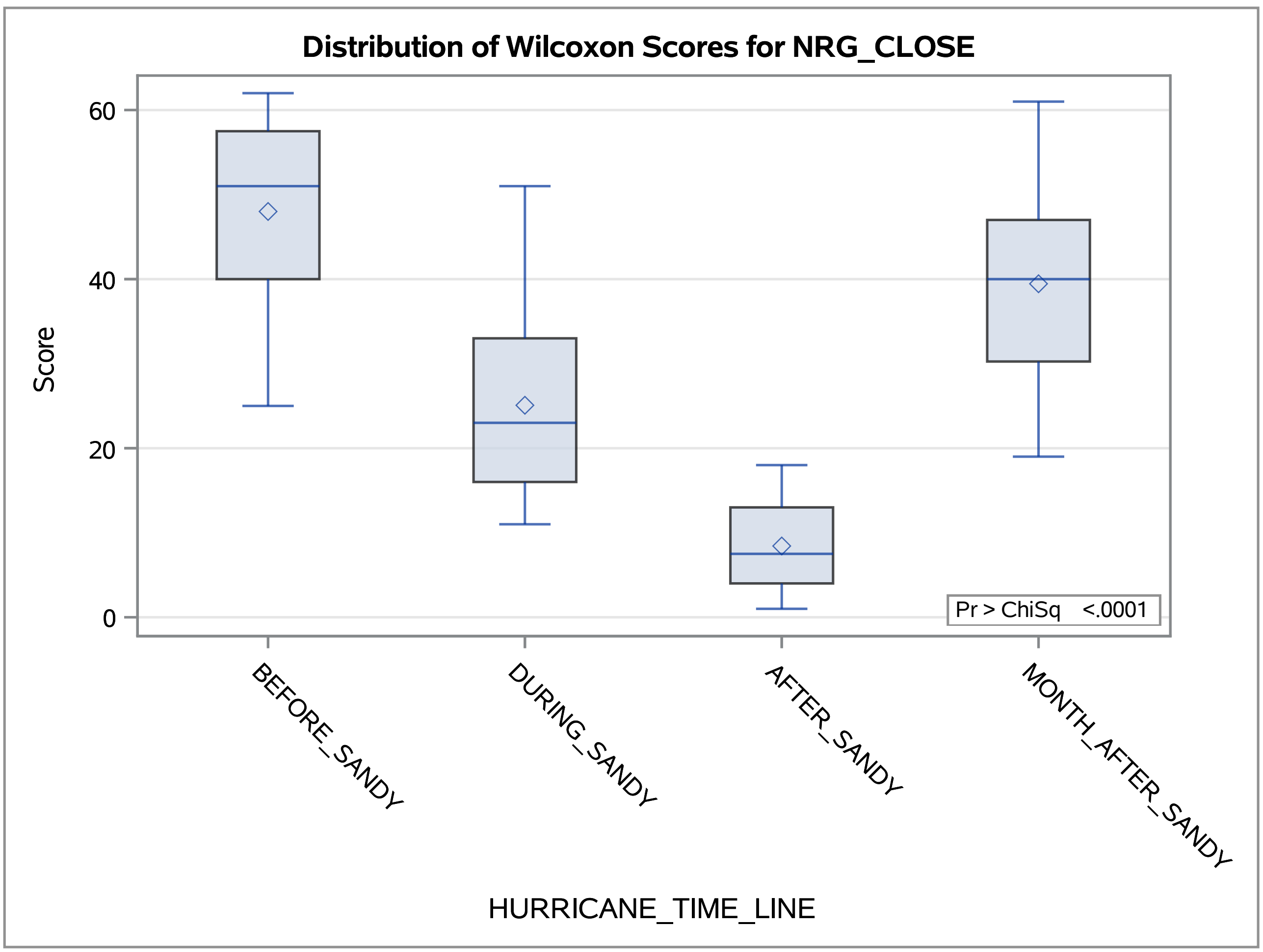
The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable NRG_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	720.0	472.50	60.831771	48.000000
DURING_SANDY	13	326.0	409.50	57.823665	25.076923
AFTER_SANDY	14	118.0	441.00	59.390986	8.428571
MONTH_AFTER_SANDY	20	789.0	630.00	66.401141	39.450000

Average scores were used for ties.

Kruskal-Wallis Test	
Chi-Square	40.9797
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

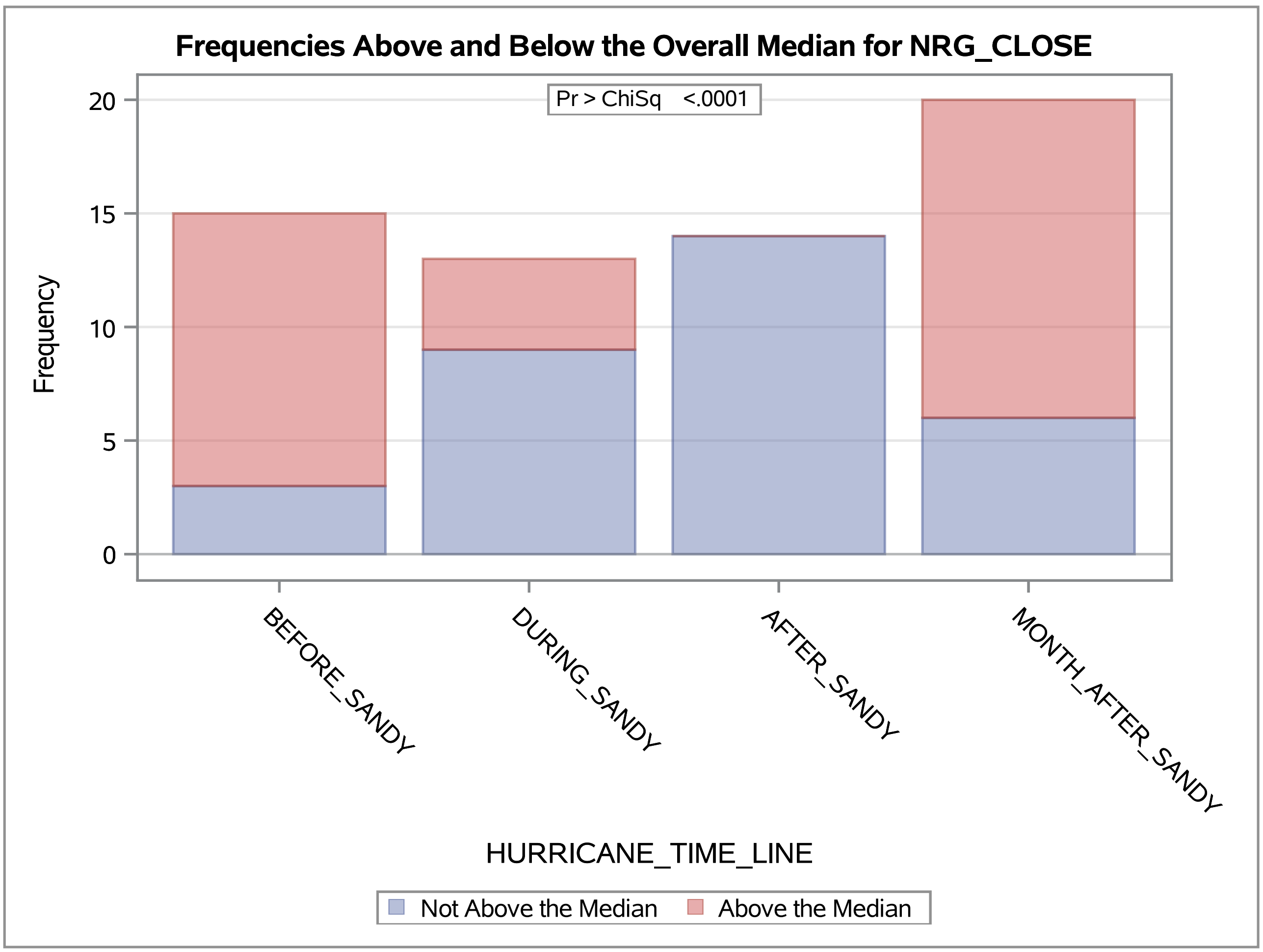
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable NRG_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	12.50	7.50	1.672166	0.833333
DURING_SANDY	13	4.00	6.50	1.589478	0.307692
AFTER_SANDY	14	0.00	7.00	1.632561	0.000000
MONTH_AFTER_SANDY	20	14.50	10.00	1.825259	0.725000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	27.0837
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

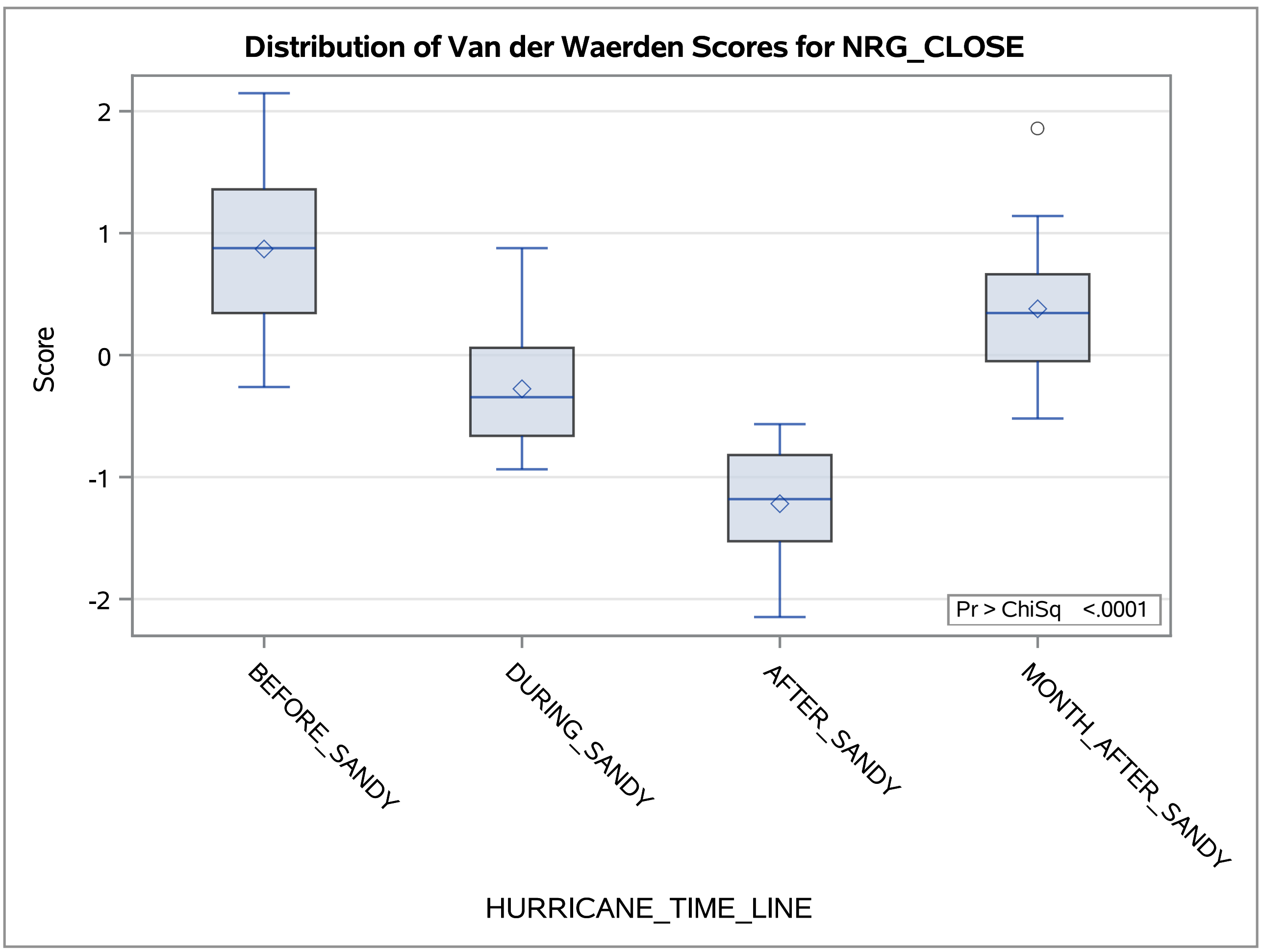
Van der Waerden Scores (Normal) for Variable NRG_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	13.053384	0.0	3.205337	0.870226
DURING_SANDY	13	-3.592419	0.0	3.046834	-0.276340
AFTER_SANDY	14	-17.055850	0.0	3.129419	-1.218275
MONTH_AFTER_SANDY	20	7.594885	0.0	3.498797	0.379744

Average scores were used for ties.

Van der Waerden One-Way Analysis

Chi-Square	39.8596
DF	3
Pr > Chi-Square	<.0001

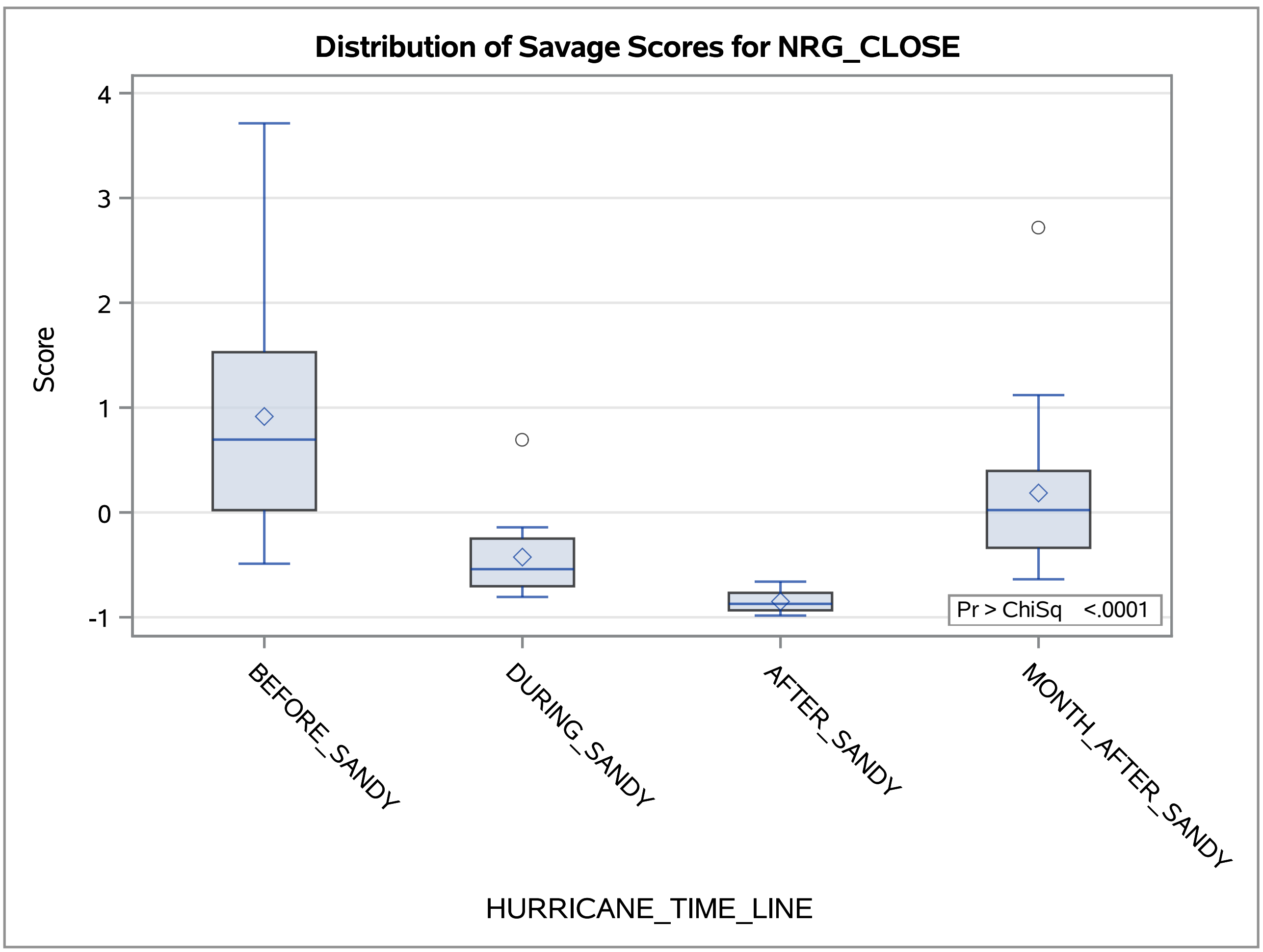


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable NRG_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	13.730955	0.0	3.266806	0.915397
DURING_SANDY	13	-5.538218	0.0	3.105264	-0.426017
AFTER_SANDY	14	-11.901416	0.0	3.189432	-0.850101
MONTH_AFTER_SANDY	20	3.708679	0.0	3.565894	0.185434
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	27.4192
DF	3
Pr > Chi-Square	<.0001

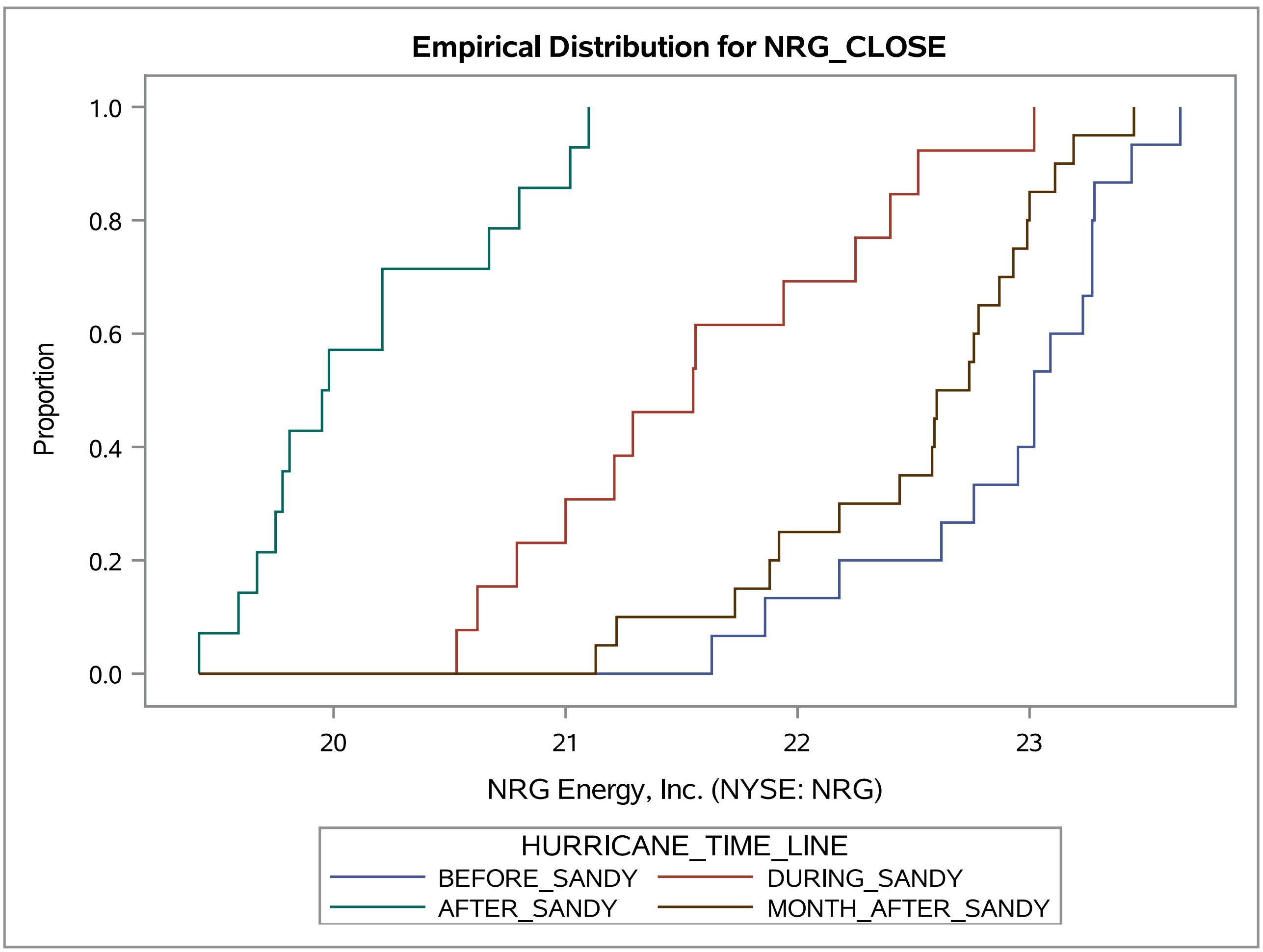


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable NRG_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.000000	-1.124415
DURING_SANDY	13	0.307692	0.062627
AFTER_SANDY	14	1.000000	2.655370
MONTH_AFTER_SANDY	20	0.000000	-1.298362
Total	62	0.290323	
Maximum Deviation Occurred at Observation 42			
Value of NRG_CLOSE at Maximum = 21.10			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.401709	**KSa**	3.163062



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable NRG_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	1.260943
DURING_SANDY	13	0.357960
AFTER_SANDY	14	2.529248
MONTH_AFTER_SANDY	20	0.593861

Cramer-von Mises Statistics (Asymptotic)

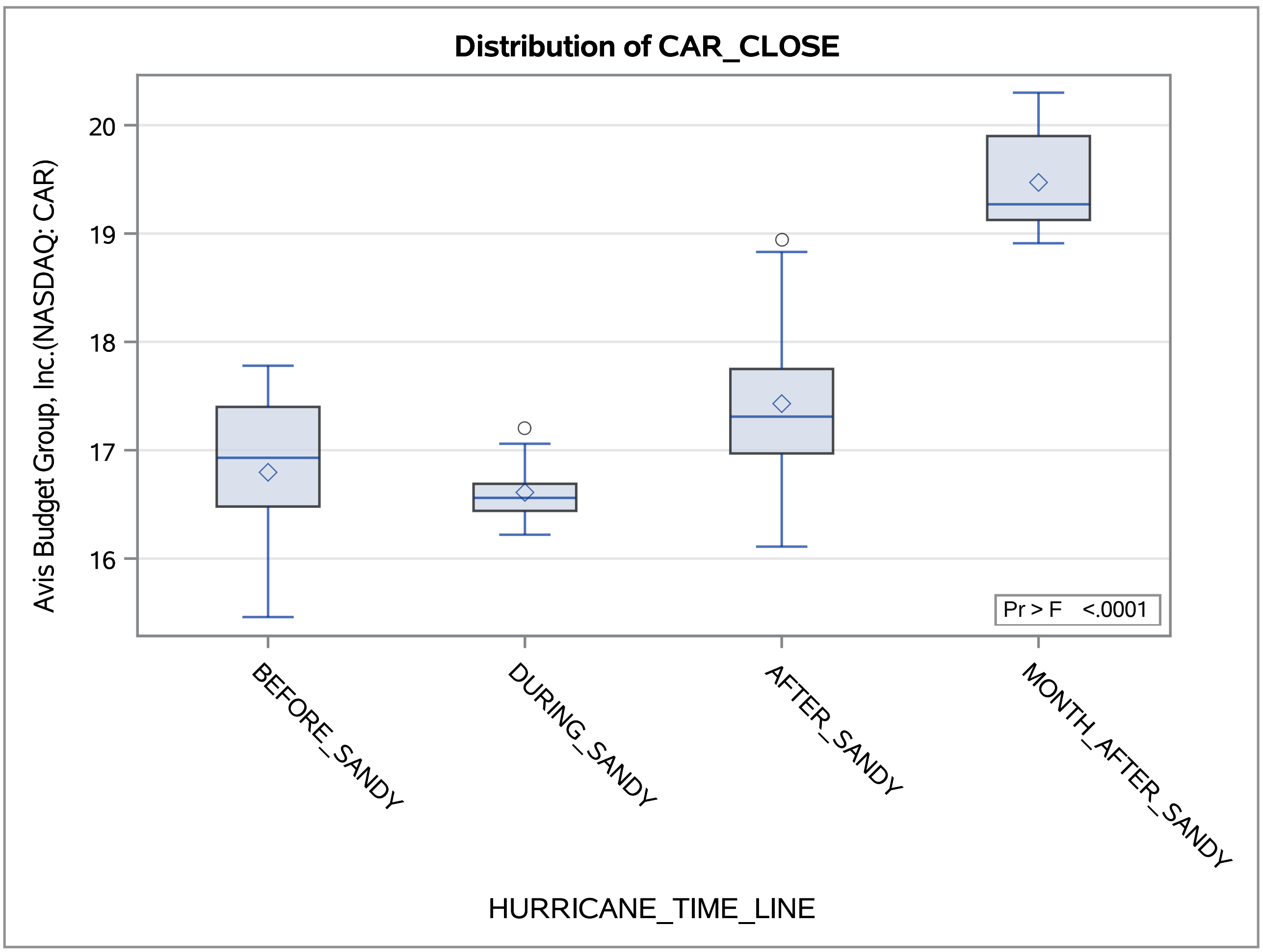
CM	0.076484	CMa	4.742012

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	16.796333
DURING_SANDY	13	16.610769
AFTER_SANDY	14	17.429950
MONTH_AFTER_SANDY	20	19.471760

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	91.226040	30.408680	83.6755	<.0001
Within	58	21.077885	0.363412		
Average scores were used for ties.					

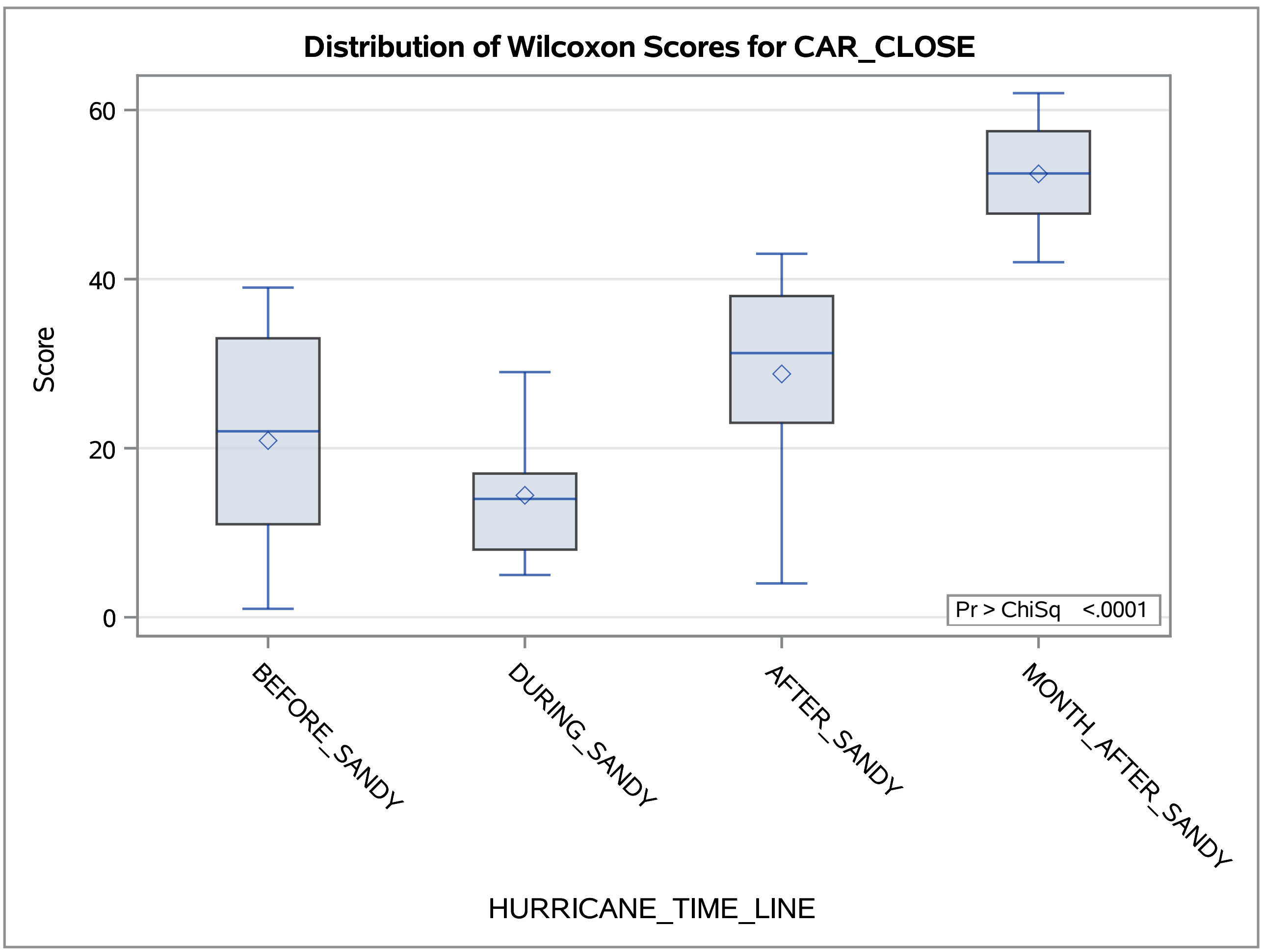


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	313.50	472.50	60.834069	20.900000
DURING_SANDY	13	187.50	409.50	57.825850	14.423077
AFTER_SANDY	14	403.00	441.00	59.393230	28.785714
MONTH_AFTER_SANDY	20	1049.00	630.00	66.403650	52.450000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	44.1151
DF	3
Pr > Chi-Square	<.0001

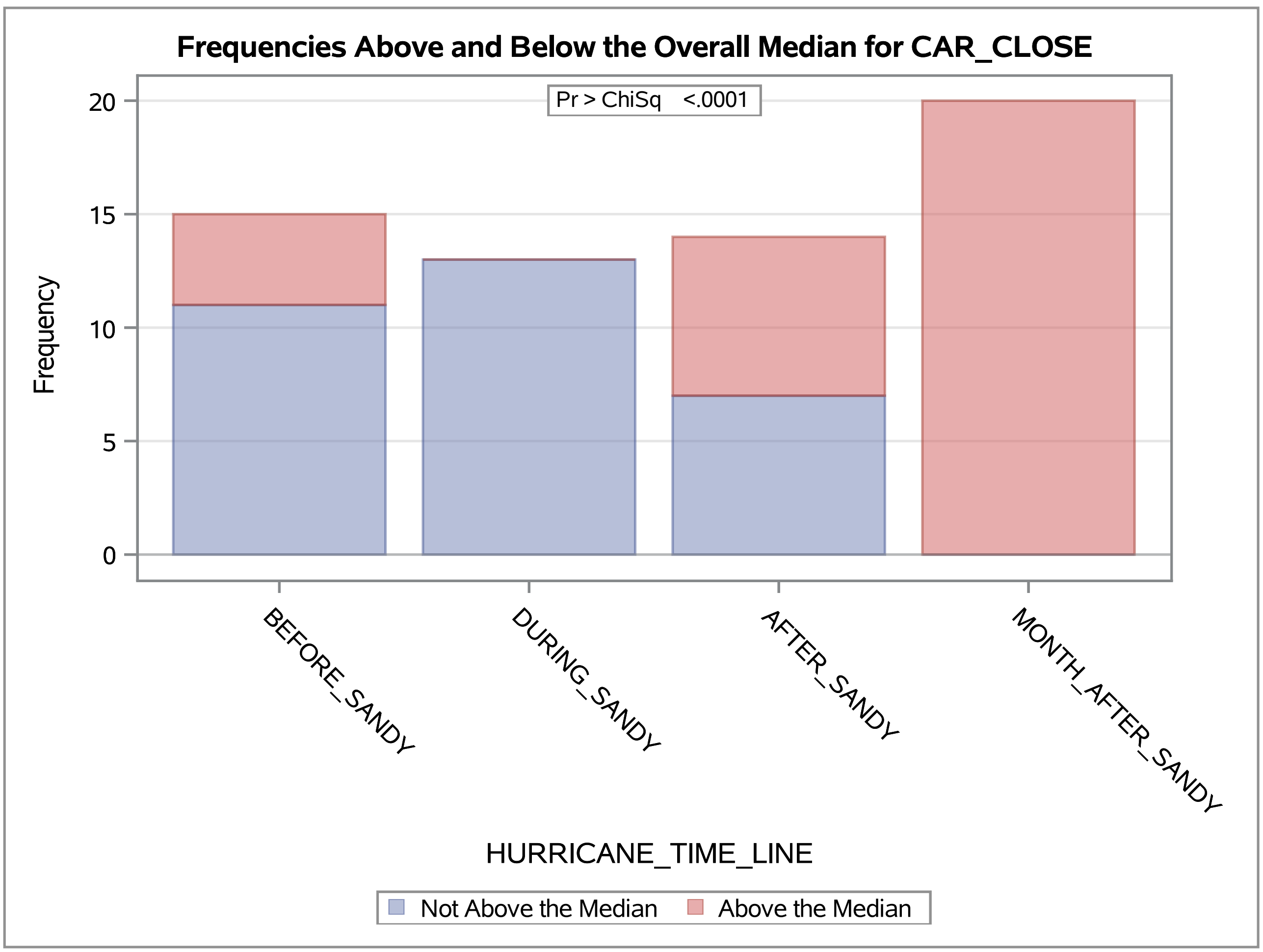


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	4.0	7.50	1.699807	0.266667
DURING_SANDY	13	0.0	6.50	1.615752	0.000000
AFTER_SANDY	14	7.0	7.00	1.659548	0.500000
MONTH_AFTER_SANDY	20	20.0	10.00	1.855431	1.000000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	35.6817
DF	3
Pr > Chi-Square	<.0001

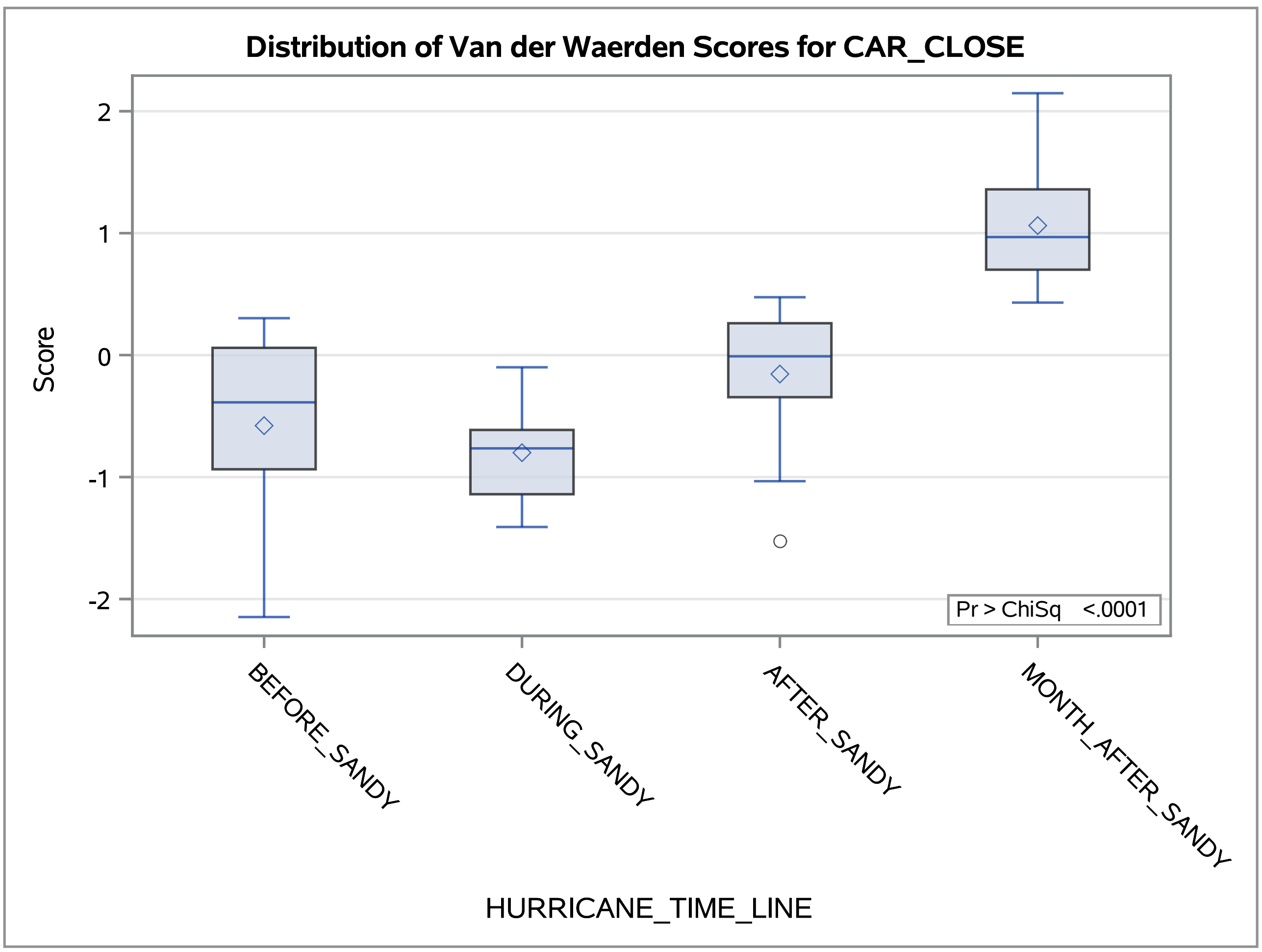


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-8.674795	0.0	3.205599	-0.578320
DURING_SANDY	13	-10.399373	0.0	3.047084	-0.799952
AFTER_SANDY	14	-2.171286	0.0	3.129676	-0.155092
MONTH_AFTER_SANDY	20	21.245454	0.0	3.499084	1.062273
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	40.1032
DF	3
Pr > Chi-Square	<.0001

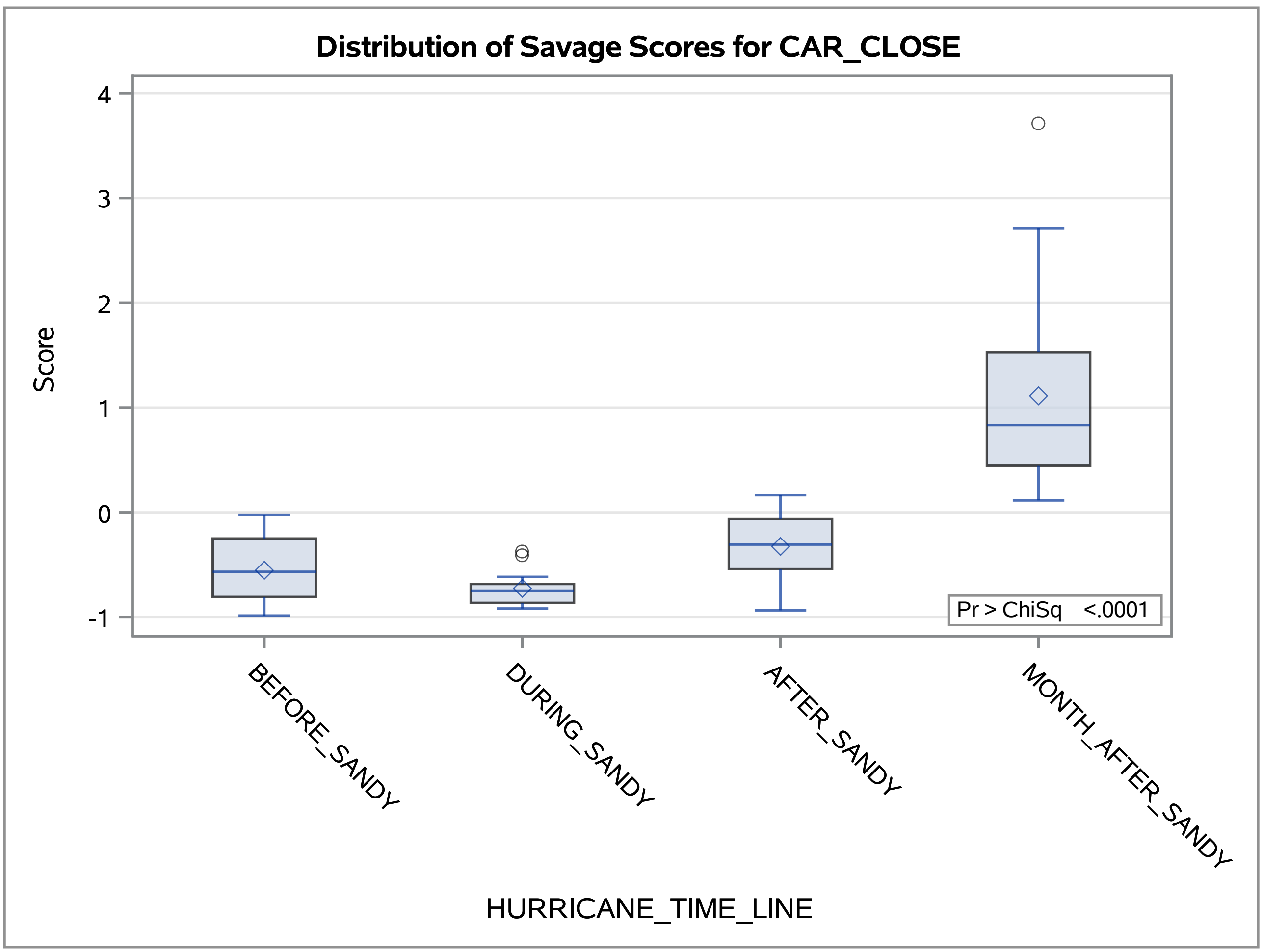


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-8.276561	0.0	3.267655	-0.551771
DURING_SANDY	13	-9.417248	0.0	3.106071	-0.724404
AFTER_SANDY	14	-4.549256	0.0	3.190261	-0.324947
MONTH_AFTER_SANDY	20	22.243065	0.0	3.566821	1.112153
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	40.0467
DF	3
Pr > Chi-Square	<.0001

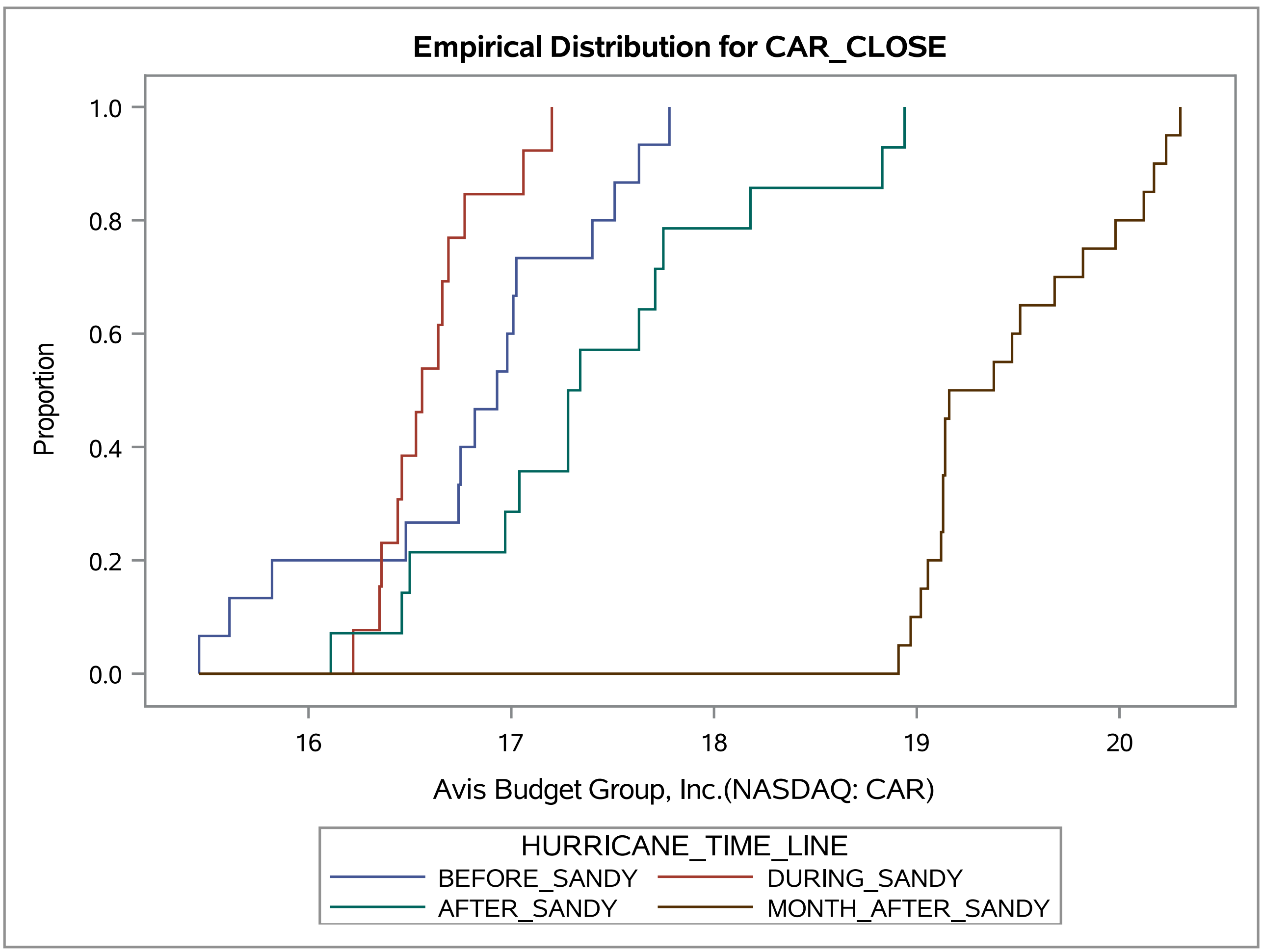


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	1.000000	1.311817
DURING_SANDY	13	1.000000	1.221235
AFTER_SANDY	14	0.928571	1.000074
MONTH_AFTER_SANDY	20	0.000000	-2.957380
Total	62	0.661290	
Maximum Deviation Occurred at Observation 41			
Value of CAR_CLOSE at Maximum = 18.830			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.457174	KSa	3.599795



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable CAR_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.619928
DURING_SANDY	13	1.385732
AFTER_SANDY	14	0.236199
MONTH_AFTER_SANDY	20	3.034256

Cramer-von Mises Statistics (Asymptotic)

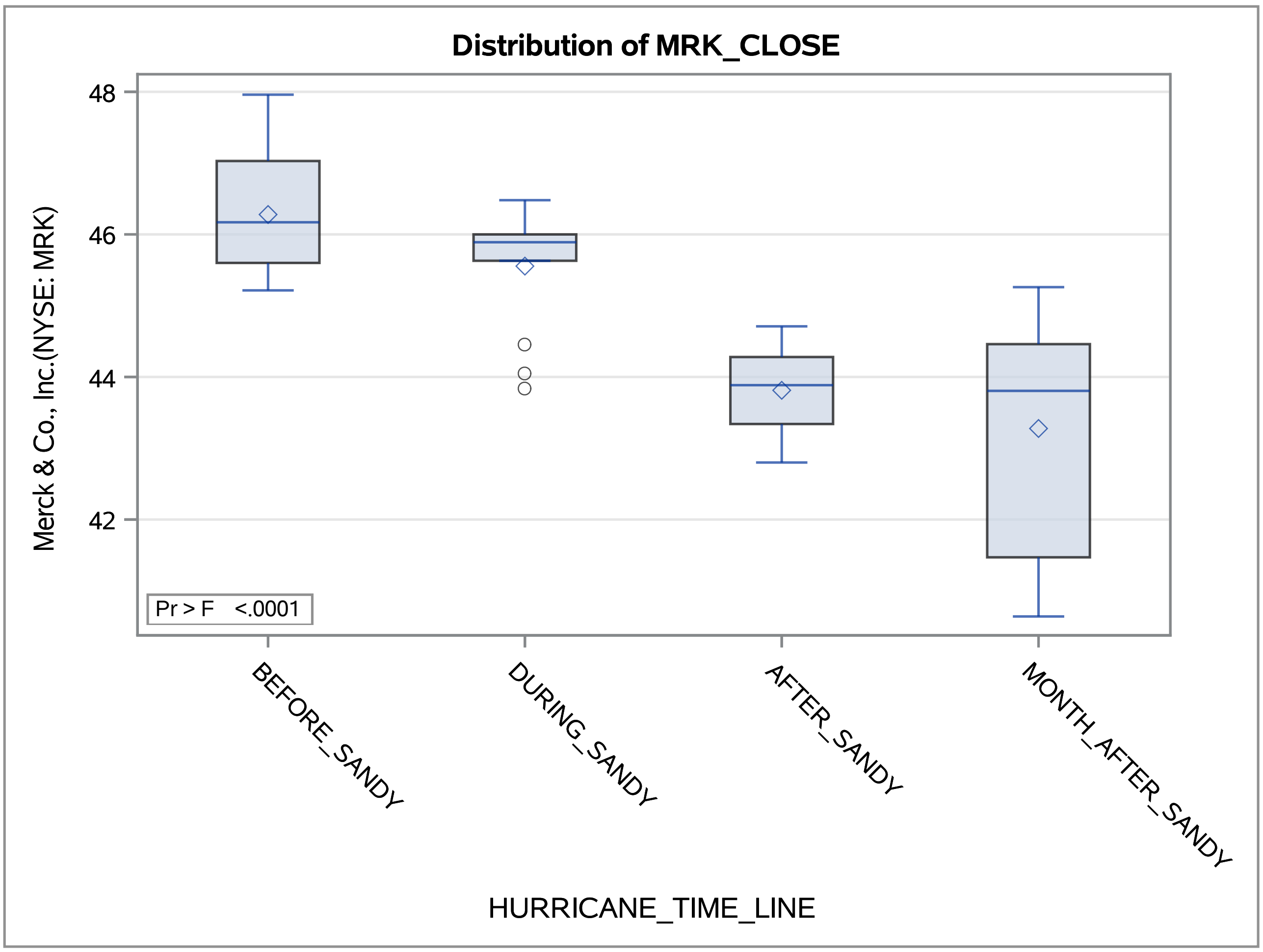
CM	0.085099	CMa	5.276115

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable MRK_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	46.279000
DURING_SANDY	13	45.554862
AFTER_SANDY	14	43.812857
MONTH_AFTER_SANDY	20	43.277020

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	97.818111	32.606037	27.4756	<.0001
Within	58	68.830068	1.186725		



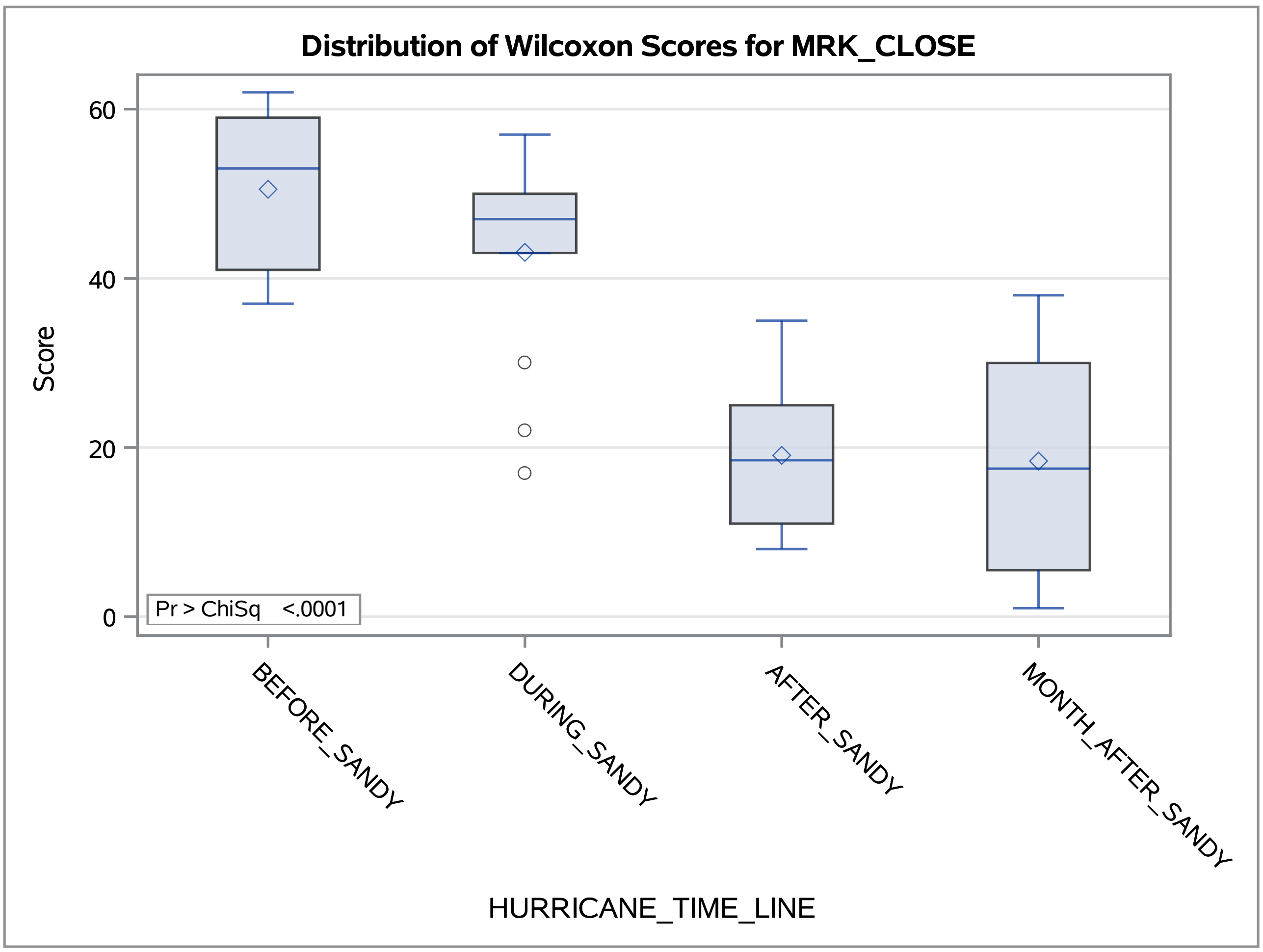
NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable MRK_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	758.0	472.50	60.837899	50.533333
DURING_SANDY	13	560.0	409.50	57.829491	43.076923
AFTER_SANDY	14	267.0	441.00	59.396970	19.071429
MONTH_AFTER_SANDY	20	368.0	630.00	66.407831	18.400000

Kruskal-Wallis Test	
Chi-Square	39.2354
DF	3
Pr > Chi-Square	<.0001

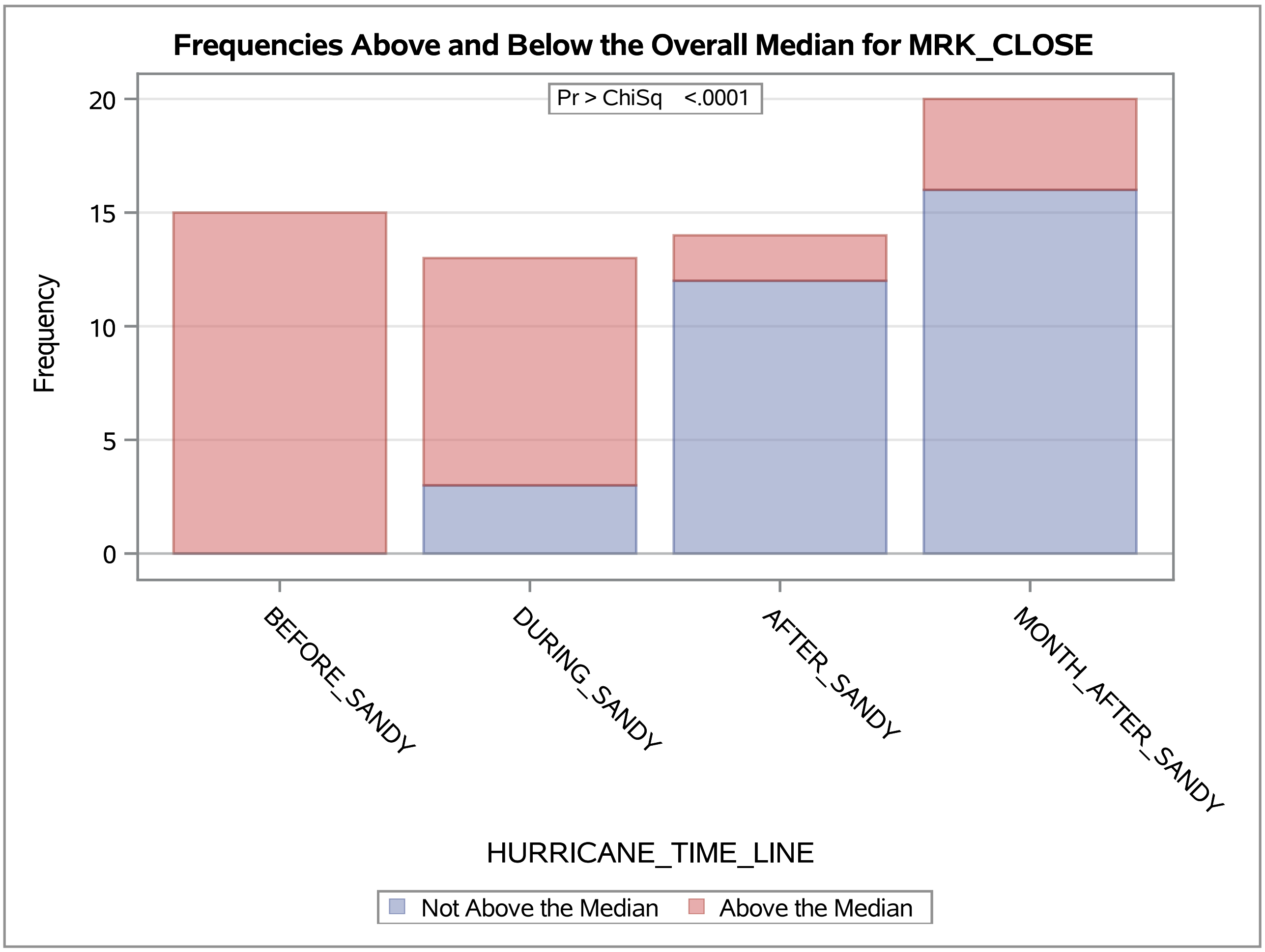


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable MRK_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	10.0	6.50	1.615752	0.769231
AFTER_SANDY	14	2.0	7.00	1.659548	0.142857
MONTH_AFTER_SANDY	20	4.0	10.00	1.855431	0.200000

Median One-Way Analysis	
Chi-Square	32.5780
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

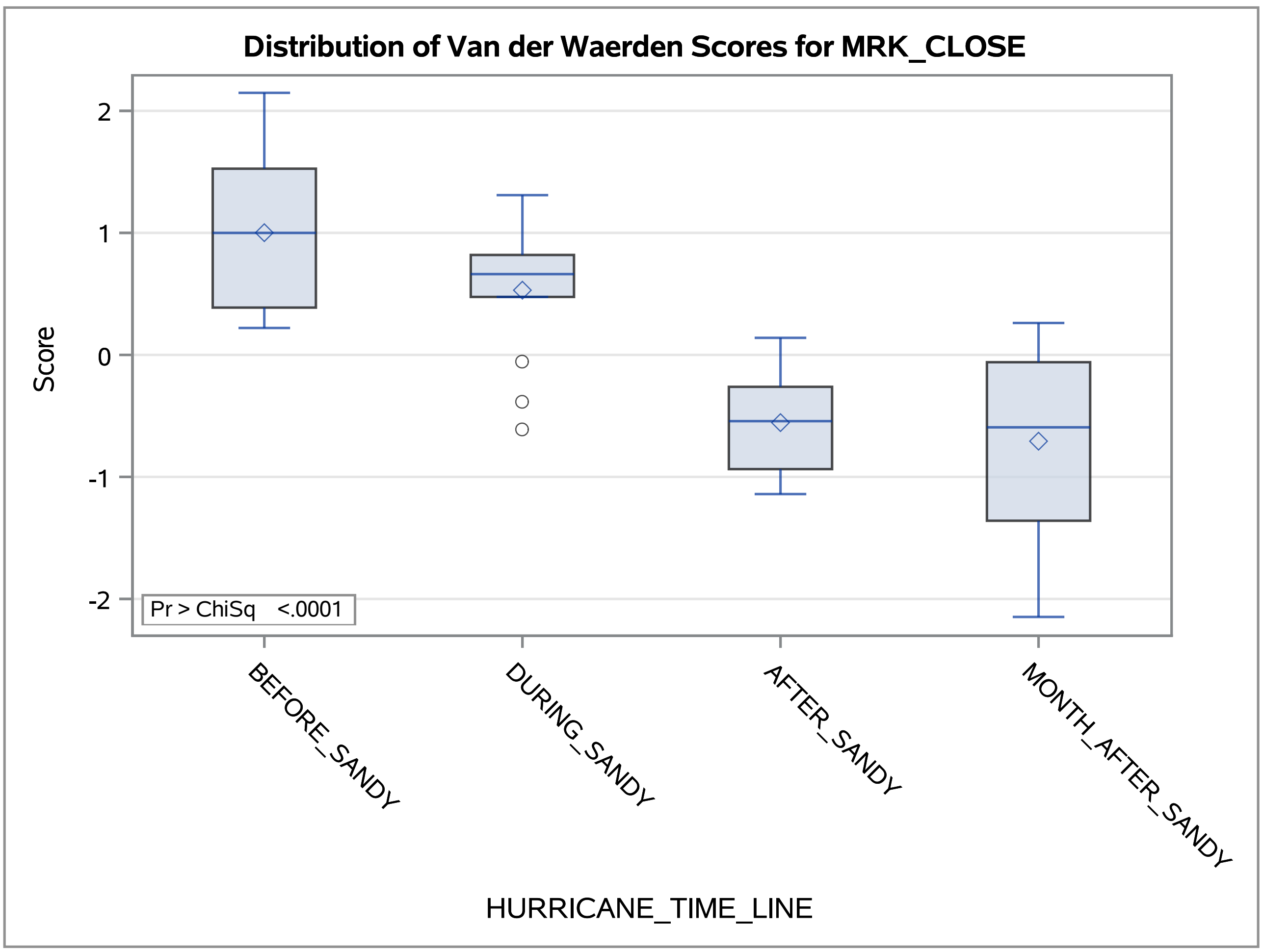
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable MRK_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.023862	0.0	3.205800	1.001591
DURING_SANDY	13	6.891898	0.0	3.047275	0.530146
AFTER_SANDY	14	-7.769549	0.0	3.129871	-0.554968
MONTH_AFTER_SANDY	20	-14.146212	0.0	3.499303	-0.707311

Van der Waerden One-Way Analysis

Chi-Square	36.5334
DF	3
Pr > Chi-Square	<.0001



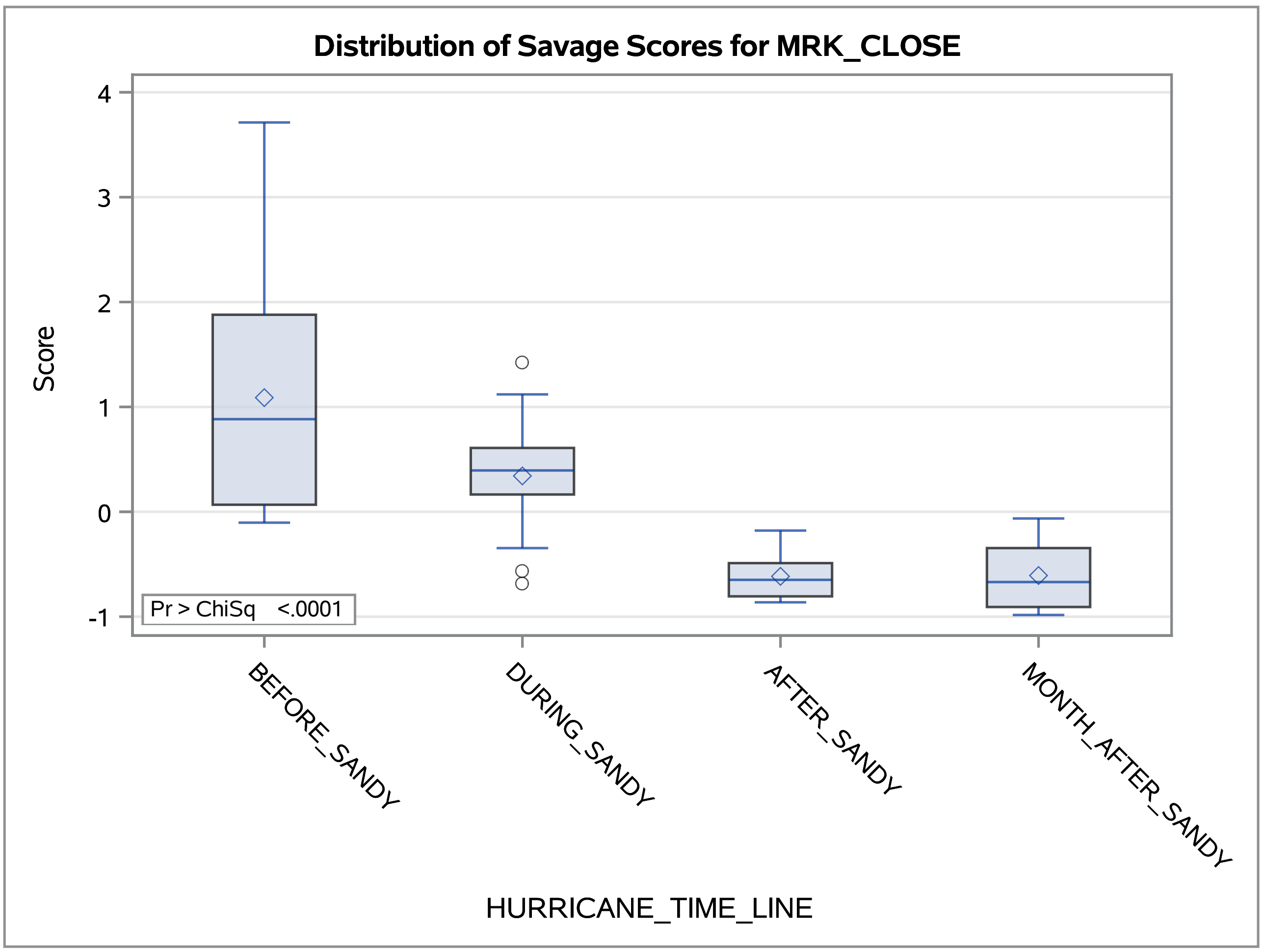
NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable MRK_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	16.328810	0.0	3.267865	1.088587
DURING_SANDY	13	4.447250	0.0	3.106271	0.342096
AFTER_SANDY	14	-8.620048	0.0	3.190467	-0.615718
MONTH_AFTER_SANDY	20	-12.156012	0.0	3.567050	-0.607801

Savage One-Way Analysis	
Chi-Square	34.0659
DF	3
Pr > Chi-Square	<.0001

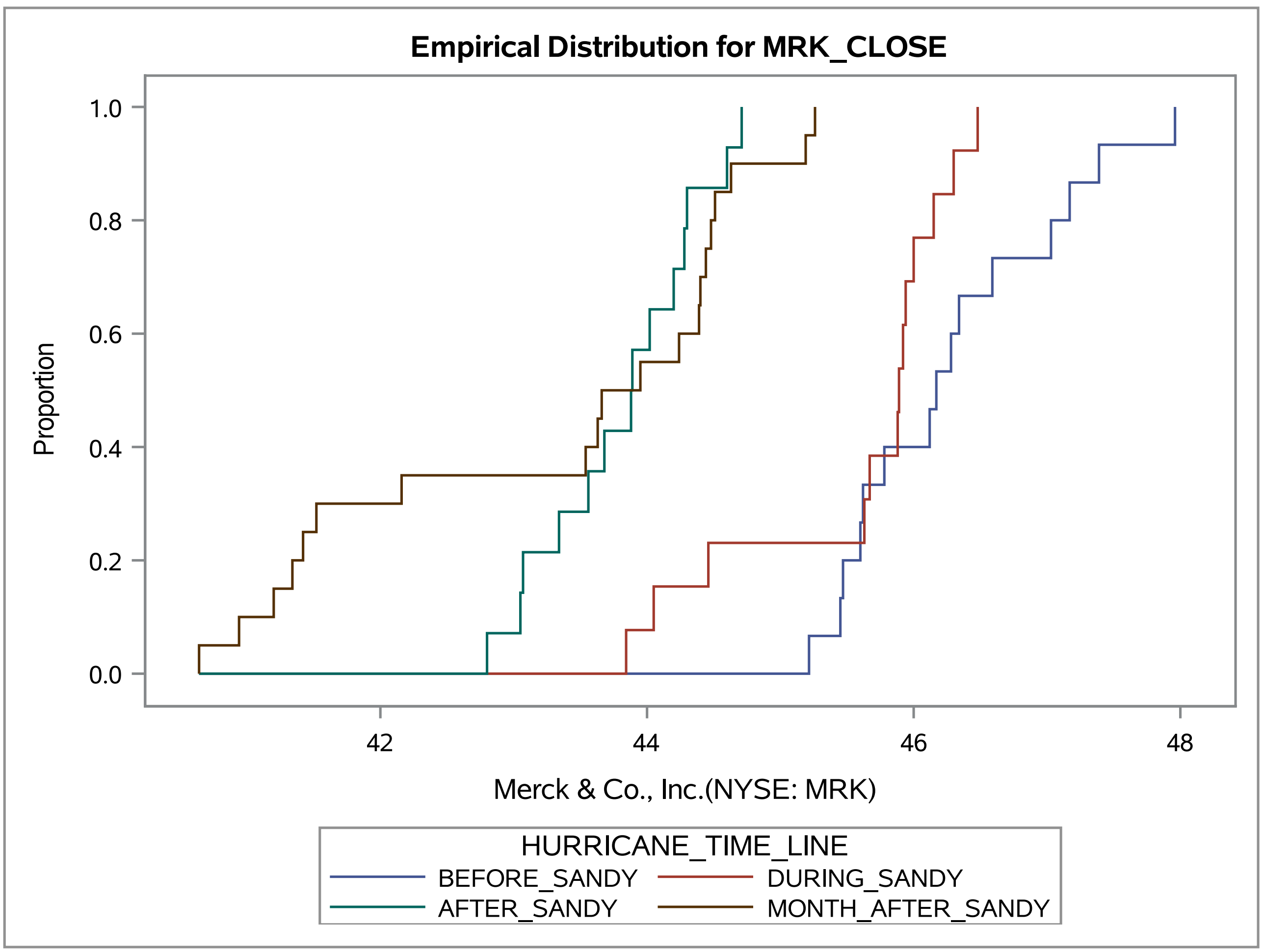


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable MRK_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.000000	-2.248829
DURING_SANDY	13	0.230769	-1.261496
AFTER_SANDY	14	1.000000	1.569082
MONTH_AFTER_SANDY	20	0.950000	1.651805
Total	62	0.580645	
Maximum Deviation Occurred at Observation 49			
Value of MRK_CLOSE at Maximum = 45.190			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.436982	**KSa**	3.440797



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable MRK_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	1.769589
DURING_SANDY	13	0.710528
AFTER_SANDY	14	0.917645
MONTH_AFTER_SANDY	20	1.070760

Cramer-von Mises Statistics (Asymptotic)

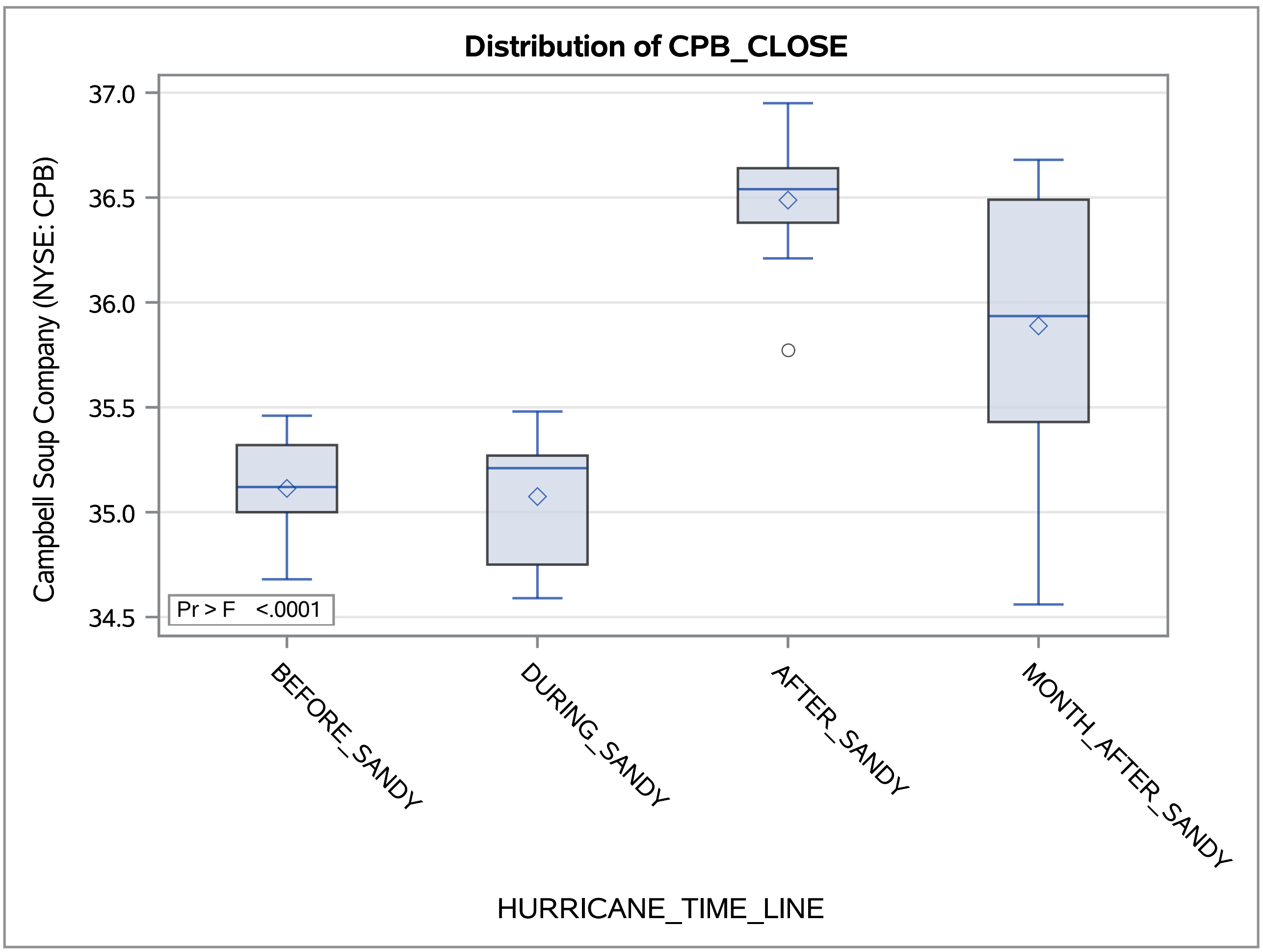
CM	0.072073	CMa	4.468522

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	35.113333
DURING_SANDY	13	35.074615
AFTER_SANDY	14	36.487857
MONTH_AFTER_SANDY	20	35.888000

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	19.570123	6.523374	33.3741	<.0001
Within	58	11.336812	0.195462		
Average scores were used for ties.					

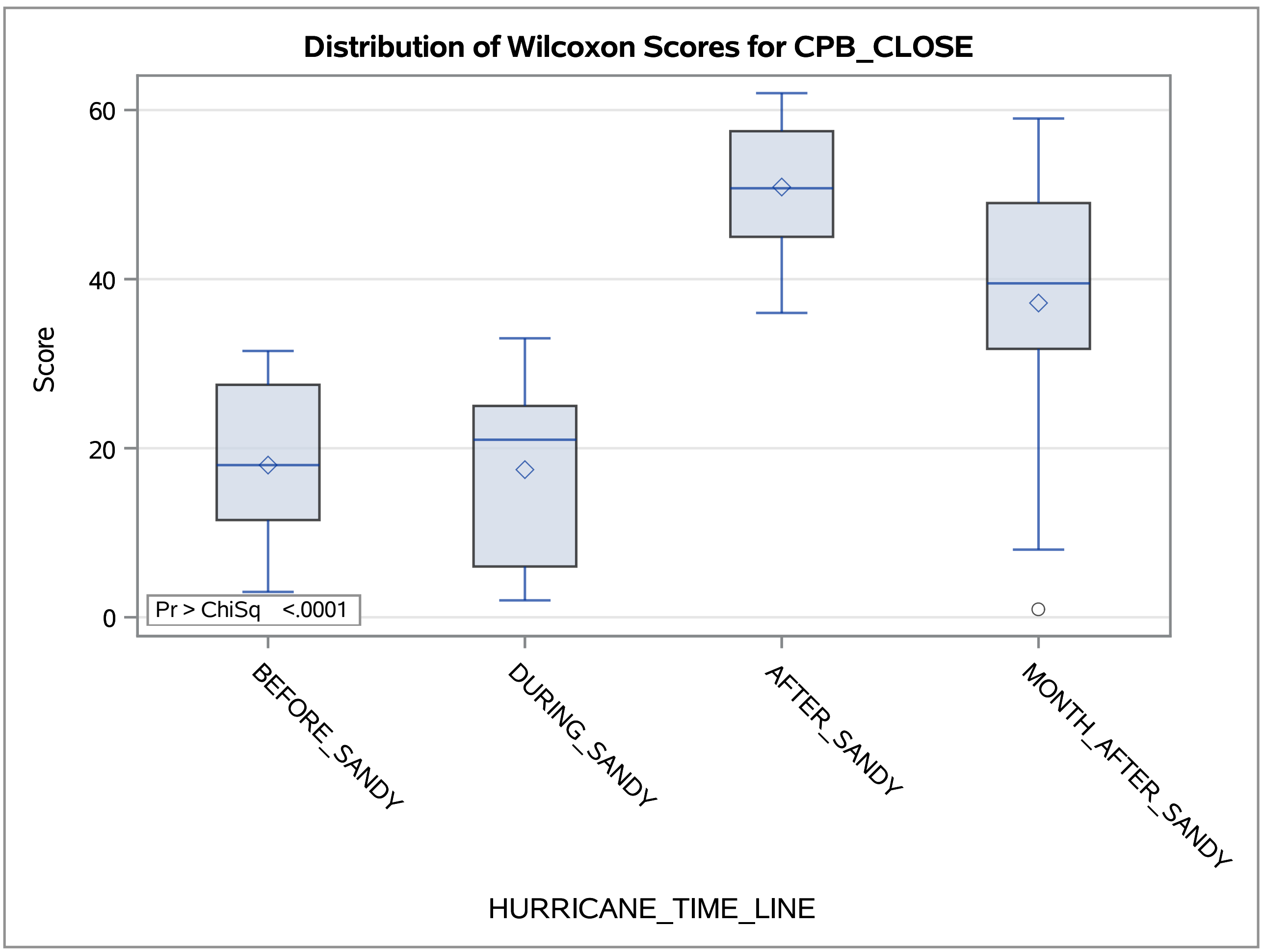


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	270.00	472.50	60.829473	18.000000
DURING_SANDY	13	227.00	409.50	57.821481	17.461538
AFTER_SANDY	14	712.50	441.00	59.388743	50.892857
MONTH_AFTER_SANDY	20	743.50	630.00	66.398633	37.175000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	34.4336
DF	3
Pr > Chi-Square	<.0001

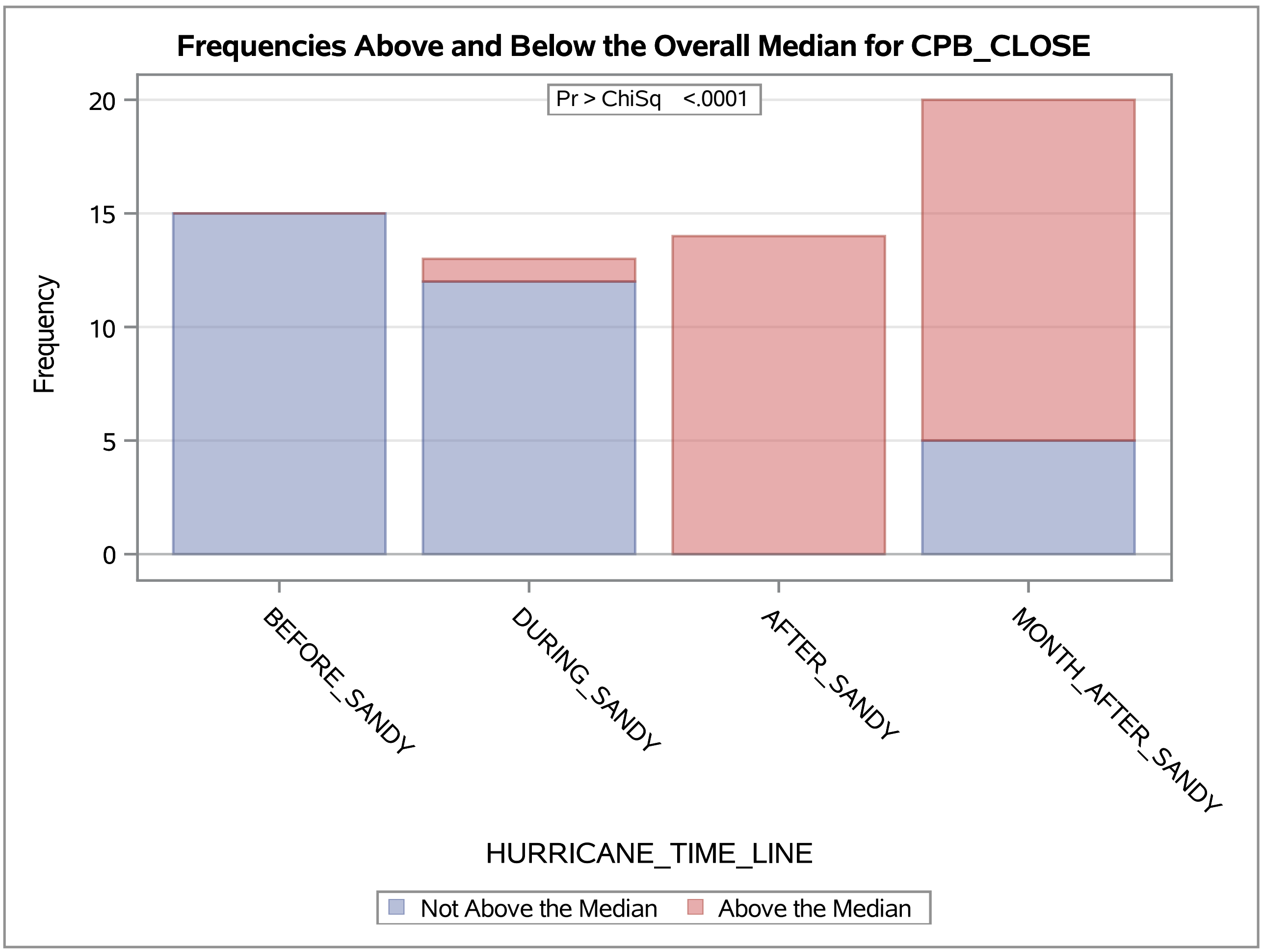


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	0.50	7.50	1.672166	0.033333
DURING_SANDY	13	1.50	6.50	1.589478	0.115385
AFTER_SANDY	14	14.00	7.00	1.632561	1.000000
MONTH_AFTER_SANDY	20	15.00	10.00	1.825259	0.750000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	40.4216
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

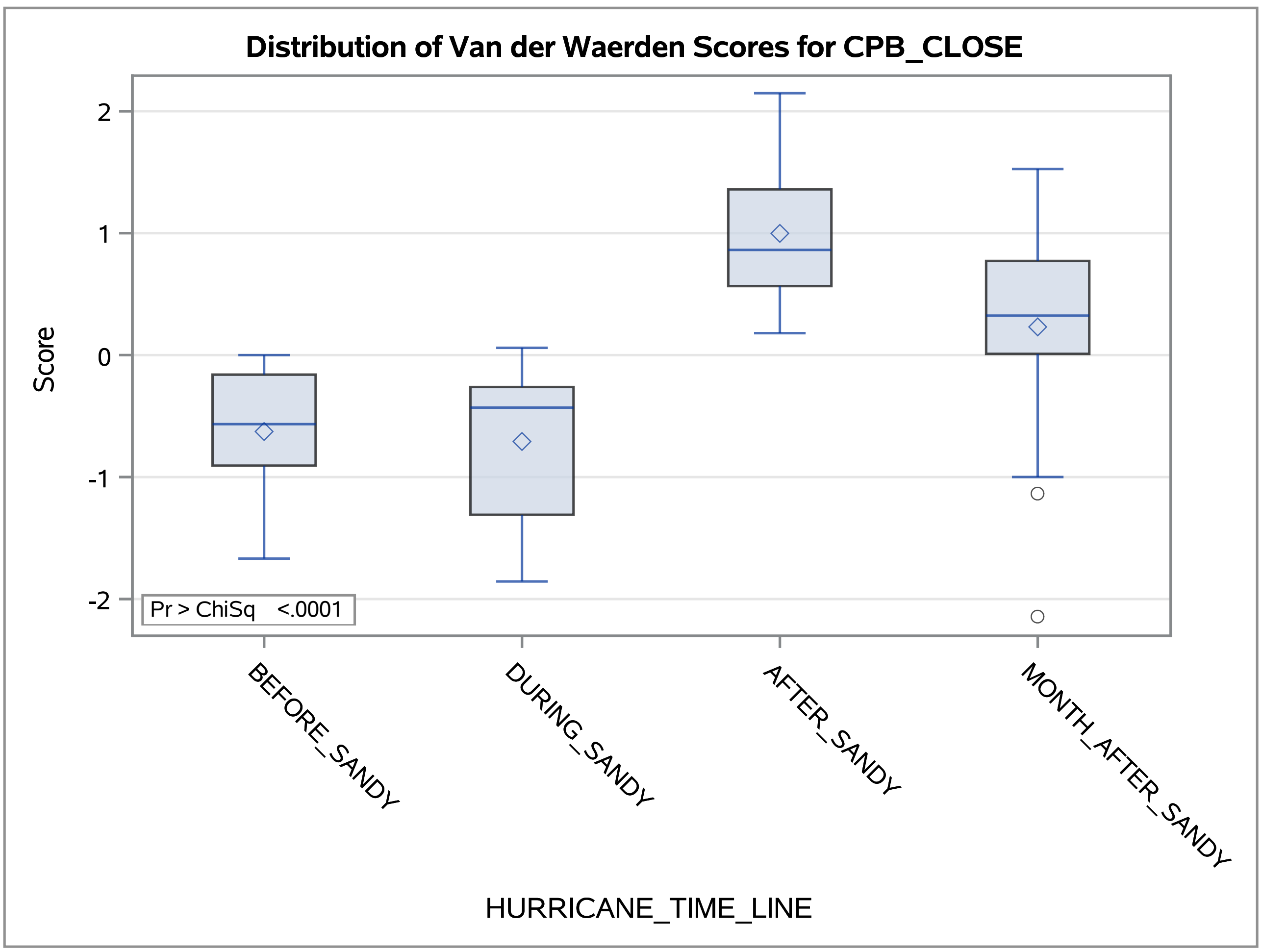
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-9.395606	0.0	3.205260	-0.626374
DURING_SANDY	13	-9.206586	0.0	3.046761	-0.708199
AFTER_SANDY	14	13.974698	0.0	3.129344	0.998193
MONTH_AFTER_SANDY	20	4.627494	0.0	3.498713	0.231375
Average scores were used for ties.					

Van der Waerden One-Way Analysis

Chi-Square	30.3545
DF	3
Pr > Chi-Square	<.0001

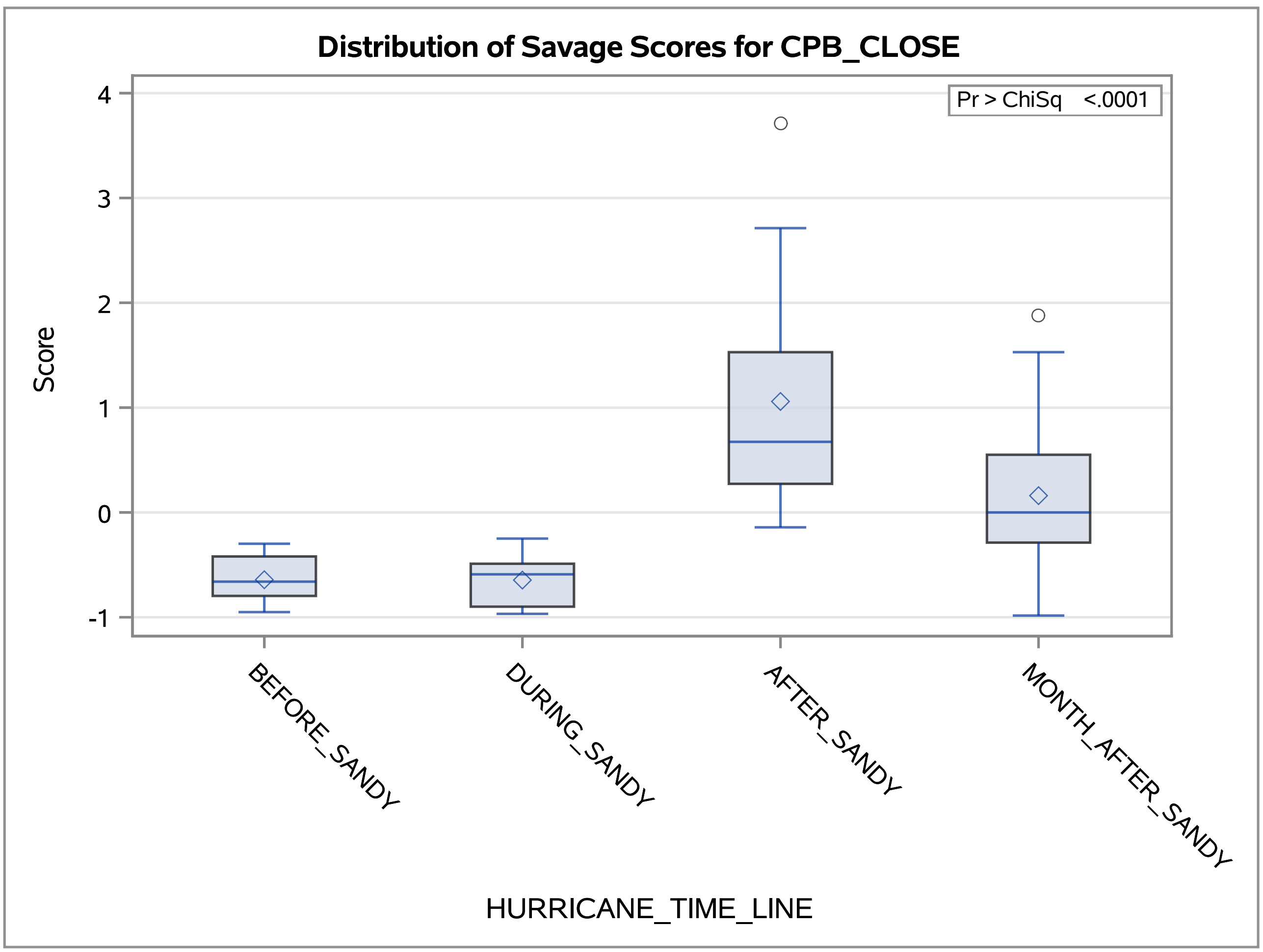


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-9.633391	0.0	3.266730	-0.642226
DURING_SANDY	13	-8.389296	0.0	3.105192	-0.645330
AFTER_SANDY	14	14.820876	0.0	3.189358	1.058634
MONTH_AFTER_SANDY	20	3.201811	0.0	3.565811	0.160091
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	29.6254
DF	3
Pr > Chi-Square	<.0001

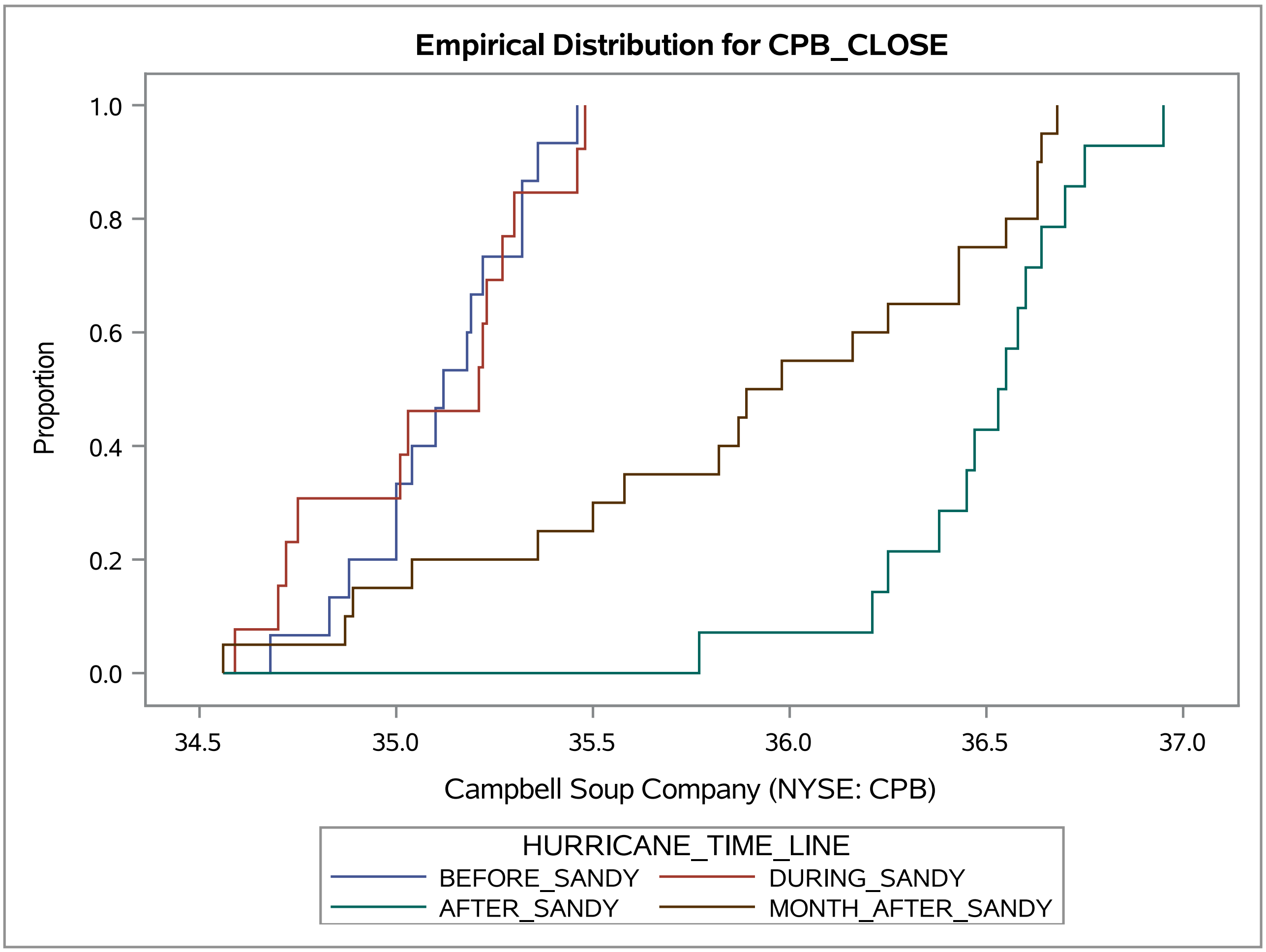


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	1.000000	1.811557
DURING_SANDY	13	1.000000	1.686468
AFTER_SANDY	14	0.000000	-1.991527
MONTH_AFTER_SANDY	20	0.250000	-1.262296
Total	62	0.532258	
Maximum Deviation Occurred at Observation 28			
Value of CPB_CLOSE at Maximum = 35.480			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.434138	KSa	3.418404



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable CPB_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	1.094924
DURING_SANDY	13	0.874135
AFTER_SANDY	14	1.796001
MONTH_AFTER_SANDY	20	0.331042

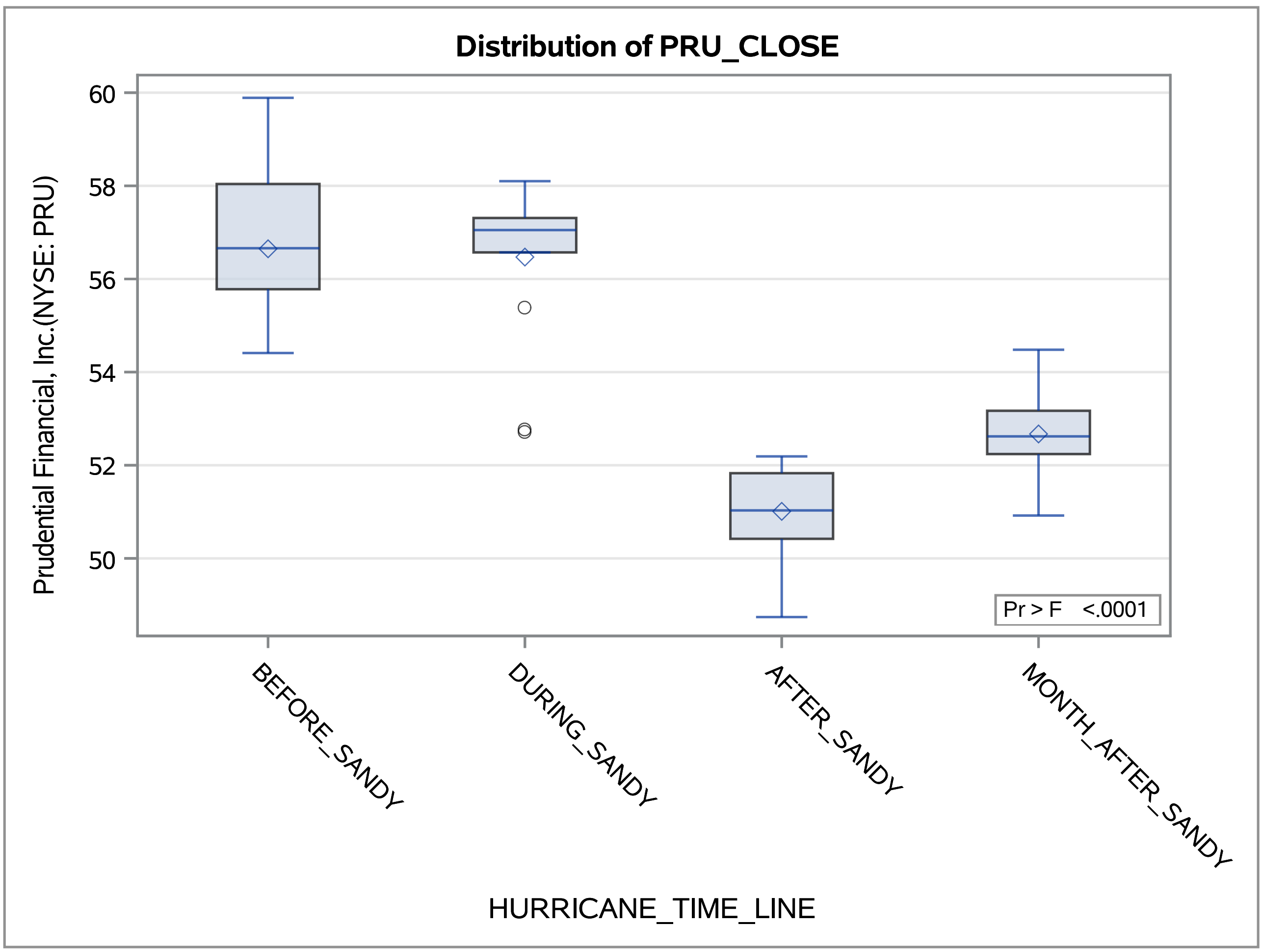
Cramer-von Mises Statistics (Asymptotic)			
CM	0.066066	CMa	4.096102

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable PRU_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	56.648000
DURING_SANDY	13	56.470000
AFTER_SANDY	14	51.009286
MONTH_AFTER_SANDY	20	52.671500

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	344.824356	114.941452	67.8089	<.0001
Within	58	98.314588	1.695079		
Average scores were used for ties.					



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

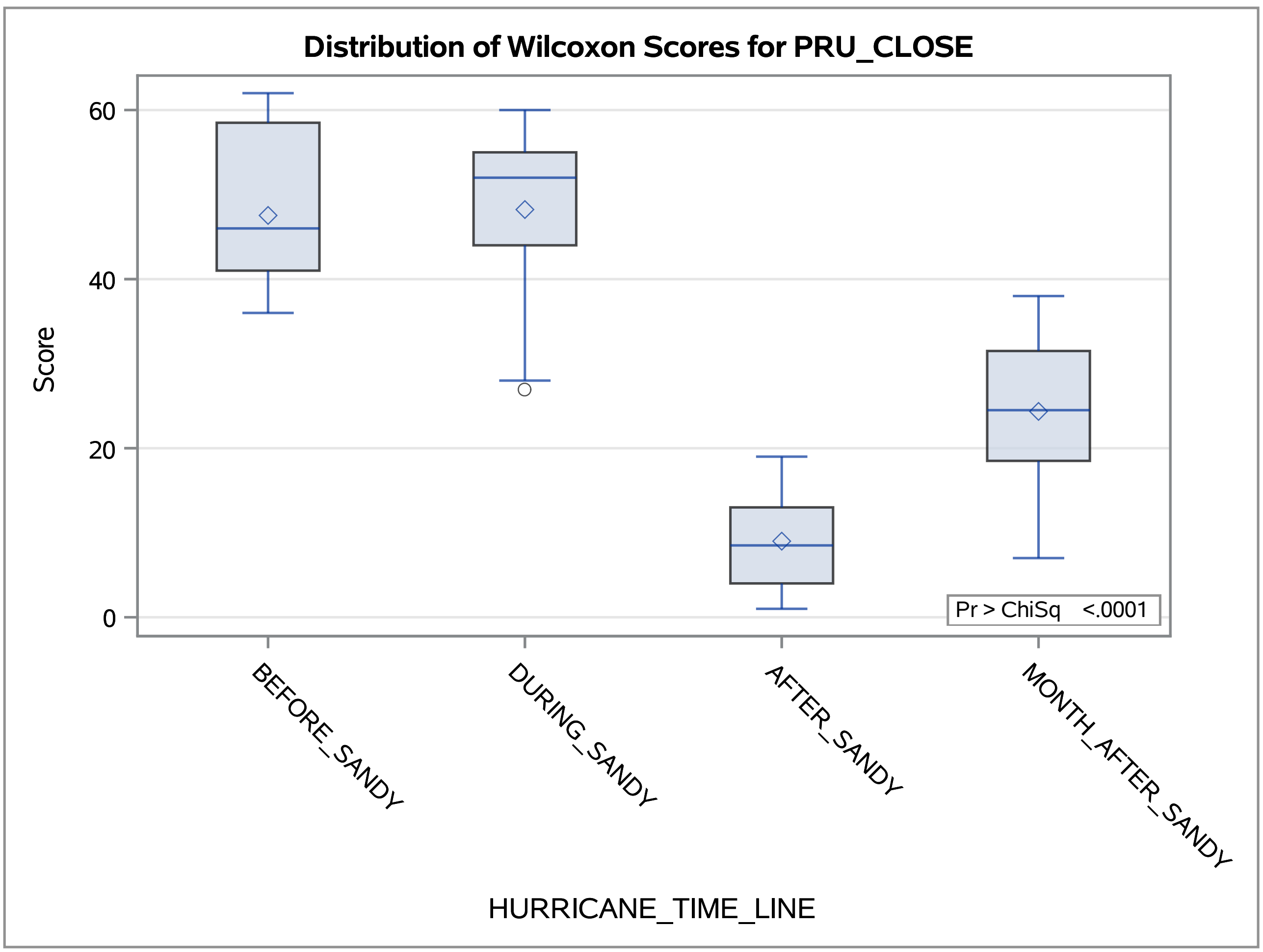
The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable PRU_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	713.0	472.50	60.832537	47.533333
DURING_SANDY	13	627.0	409.50	57.824394	48.230769
AFTER_SANDY	14	126.0	441.00	59.391734	9.000000
MONTH_AFTER_SANDY	20	487.0	630.00	66.401978	24.350000

Average scores were used for ties.

Kruskal-Wallis Test	
Chi-Square	47.9498
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

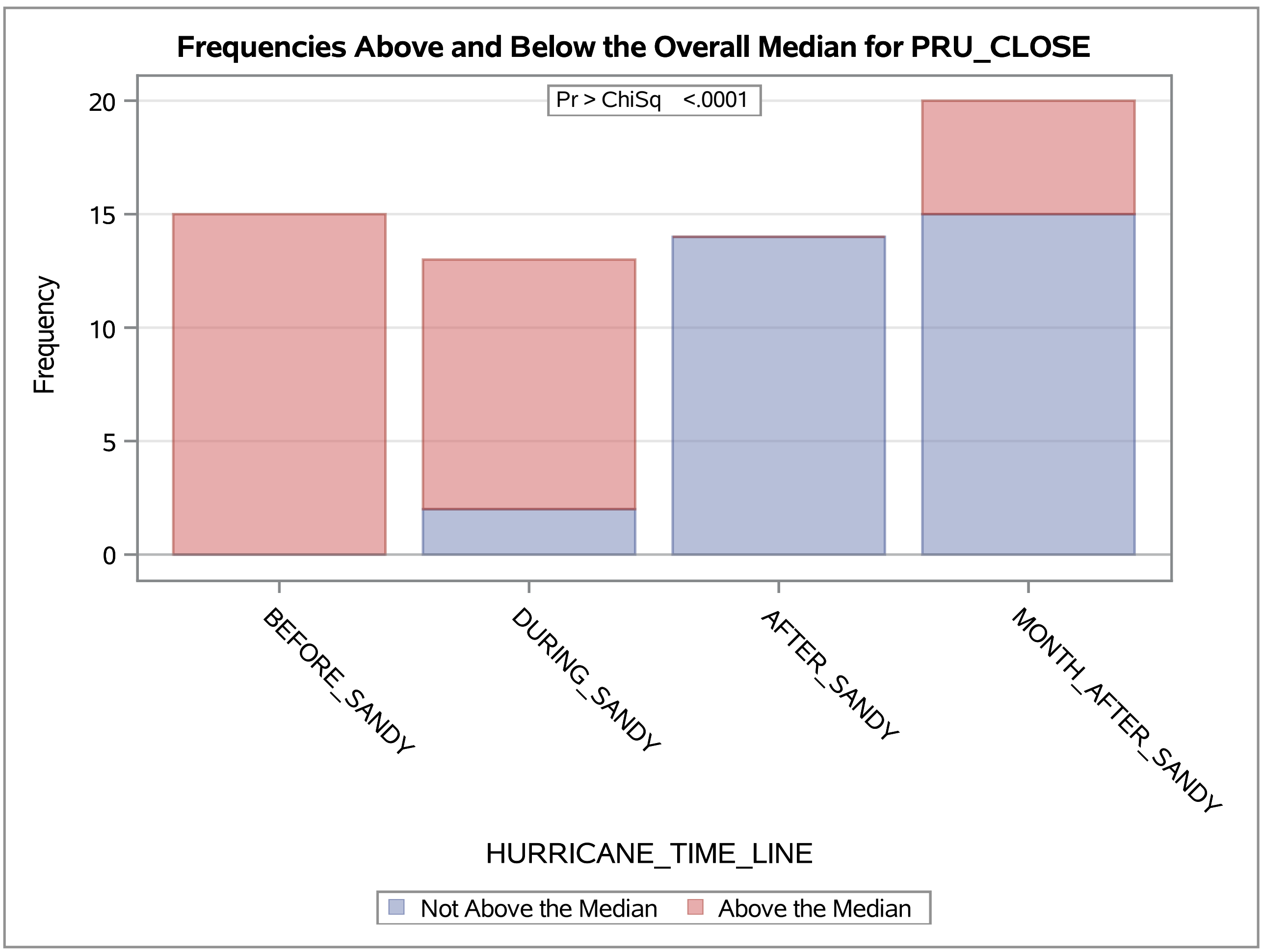
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable PRU_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	11.0	6.50	1.615752	0.846154
AFTER_SANDY	14	0.0	7.00	1.659548	0.000000
MONTH_AFTER_SANDY	20	5.0	10.00	1.855431	0.250000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	39.5819
DF	3
Pr > Chi-Square	<.0001

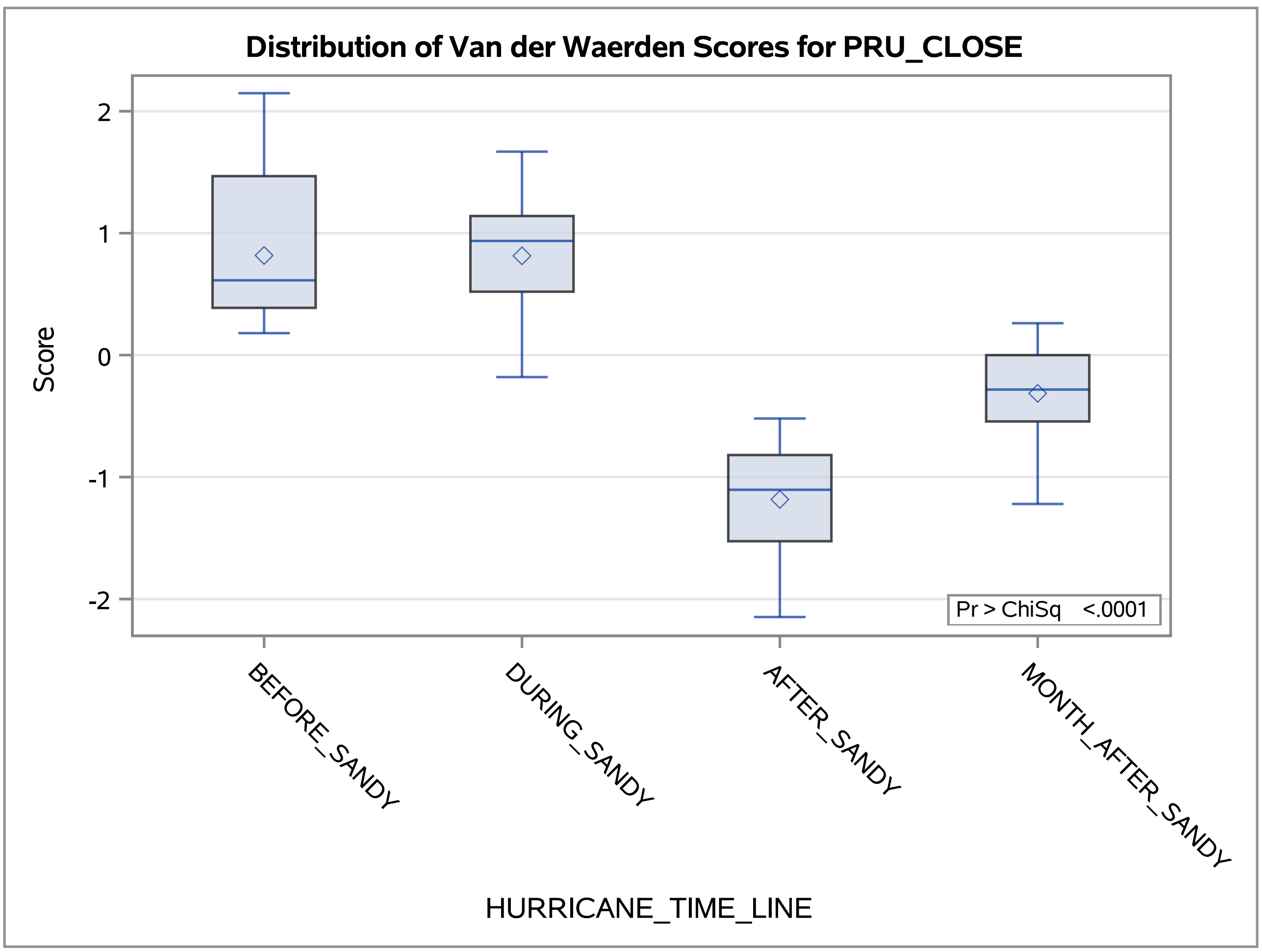


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable PRU_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	12.253689	0.0	3.205448	0.816913
DURING_SANDY	13	10.582687	0.0	3.046940	0.814053
AFTER_SANDY	14	-16.567511	0.0	3.129528	-1.183394
MONTH_AFTER_SANDY	20	-6.268865	0.0	3.498918	-0.313443
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	44.4838
DF	3
Pr > Chi-Square	<.0001

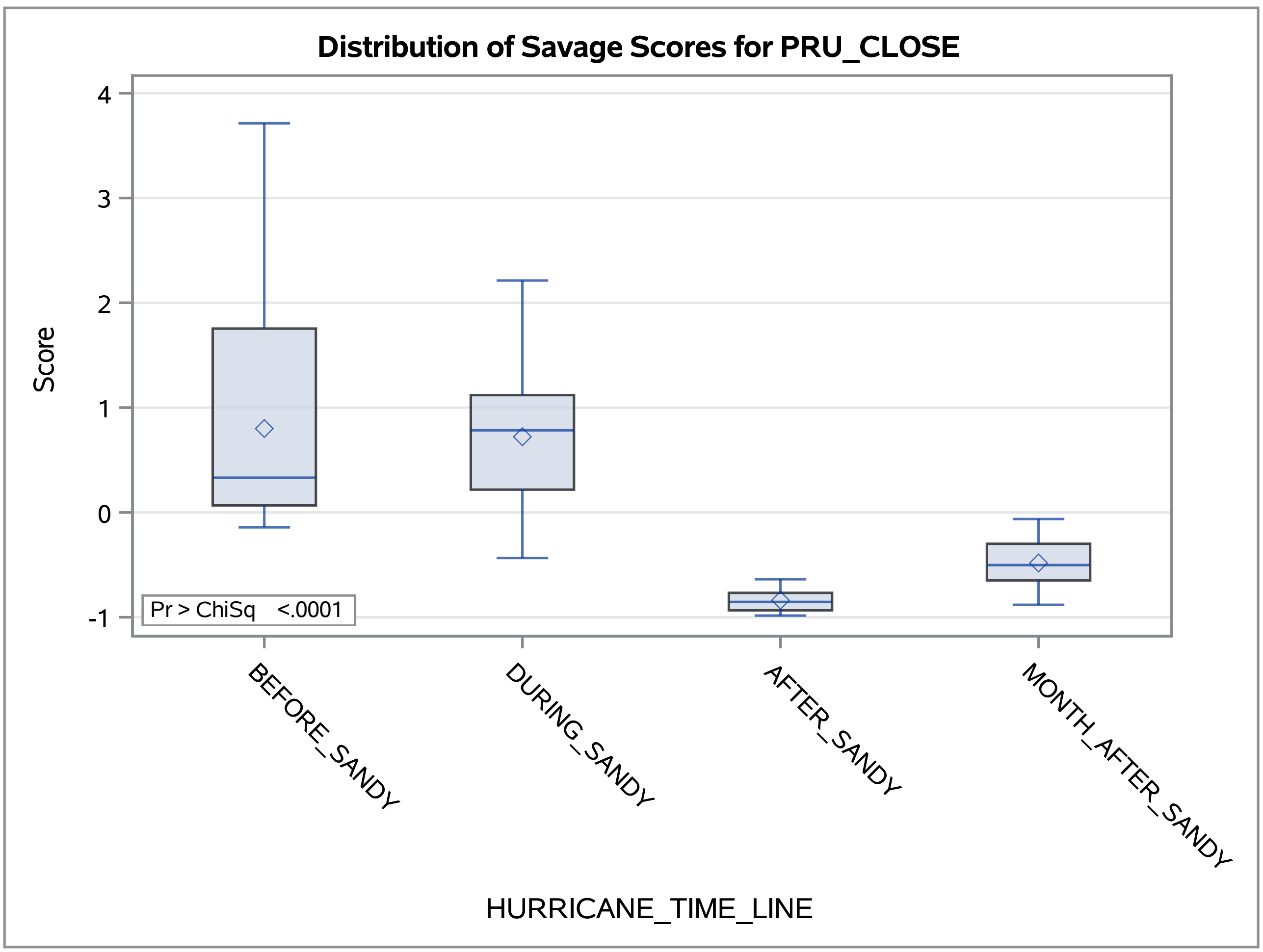


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable PRU_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	12.002957	0.0	3.266835	0.800197
DURING_SANDY	13	9.385123	0.0	3.105291	0.721933
AFTER_SANDY	14	-11.740783	0.0	3.189460	-0.838627
MONTH_AFTER_SANDY	20	-9.647296	0.0	3.565925	-0.482365
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	32.9017
DF	3
Pr > Chi-Square	<.0001

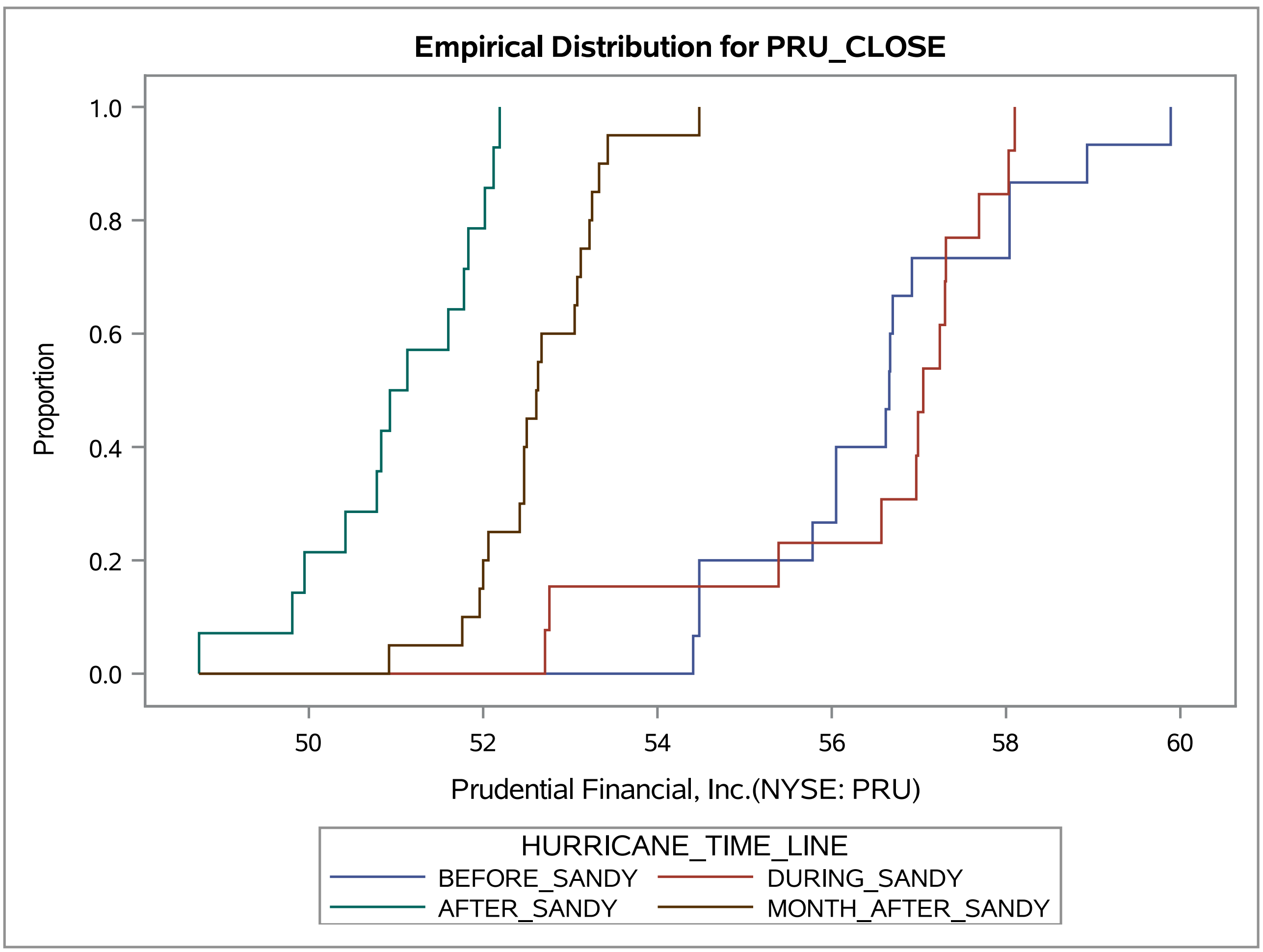


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable PRU_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.000000	-2.186362
DURING_SANDY	13	0.153846	-1.480692
AFTER_SANDY	14	1.000000	1.629431
MONTH_AFTER_SANDY	20	0.950000	1.723936
Total	62	0.564516	
Maximum Deviation Occurred at Observation 57			
Value of PRU_CLOSE at Maximum = 53.430			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.450799	**KSa**	3.549595



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable PRU_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	1.367268
DURING_SANDY	13	1.278767
AFTER_SANDY	14	2.377889
MONTH_AFTER_SANDY	20	0.756765

Cramer-von Mises Statistics (Asymptotic)

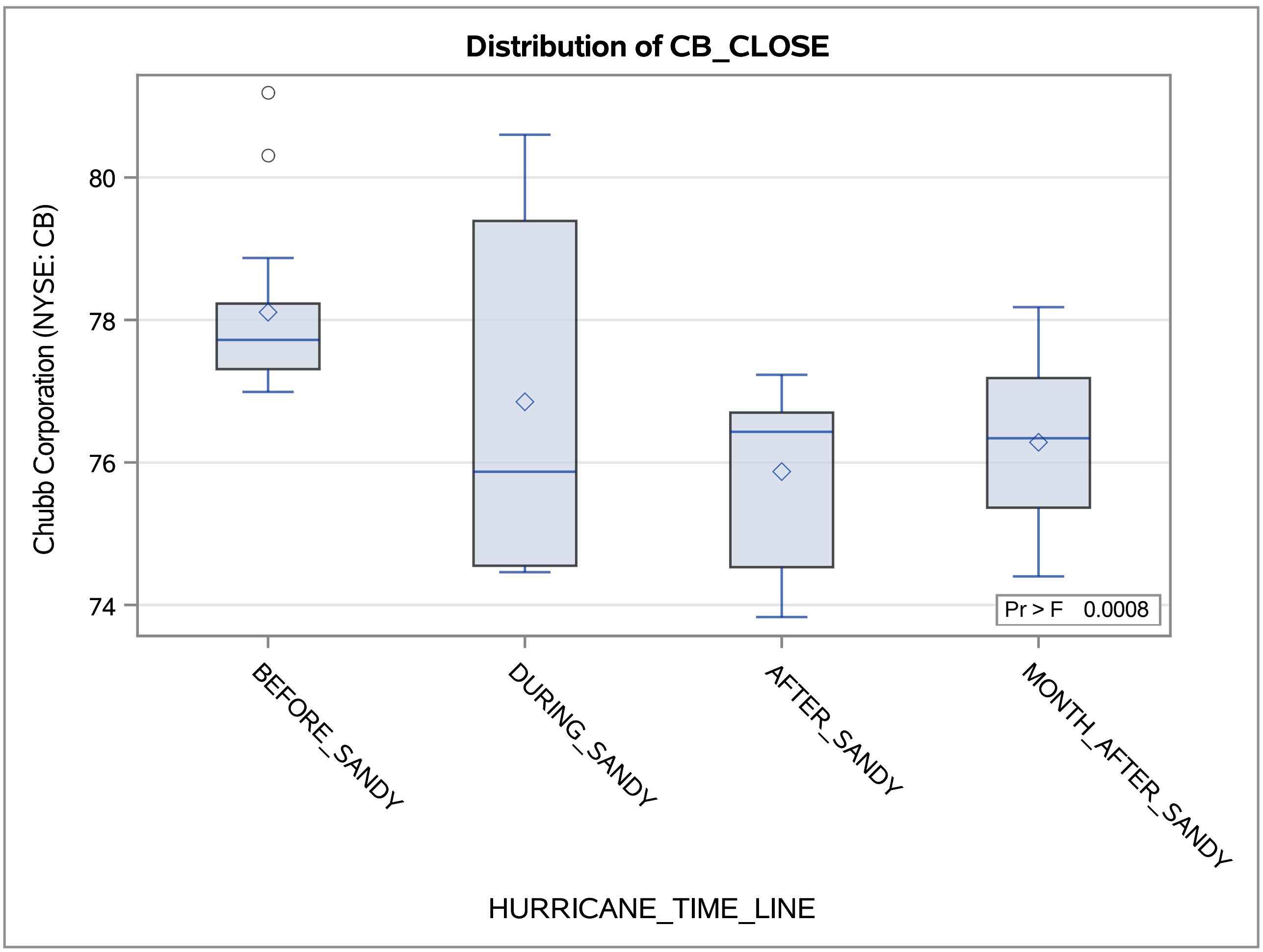
CM	0.093237	CMa	5.780688

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable CB_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Mean
BEFORE_SANDY	15	78.108667
DURING_SANDY	13	76.851538
AFTER_SANDY	14	75.872143
MONTH_AFTER_SANDY	20	76.283000

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	42.974223	14.324741	6.4299	0.0008
Within	58	129.213398	2.227817		
Average scores were used for ties.					

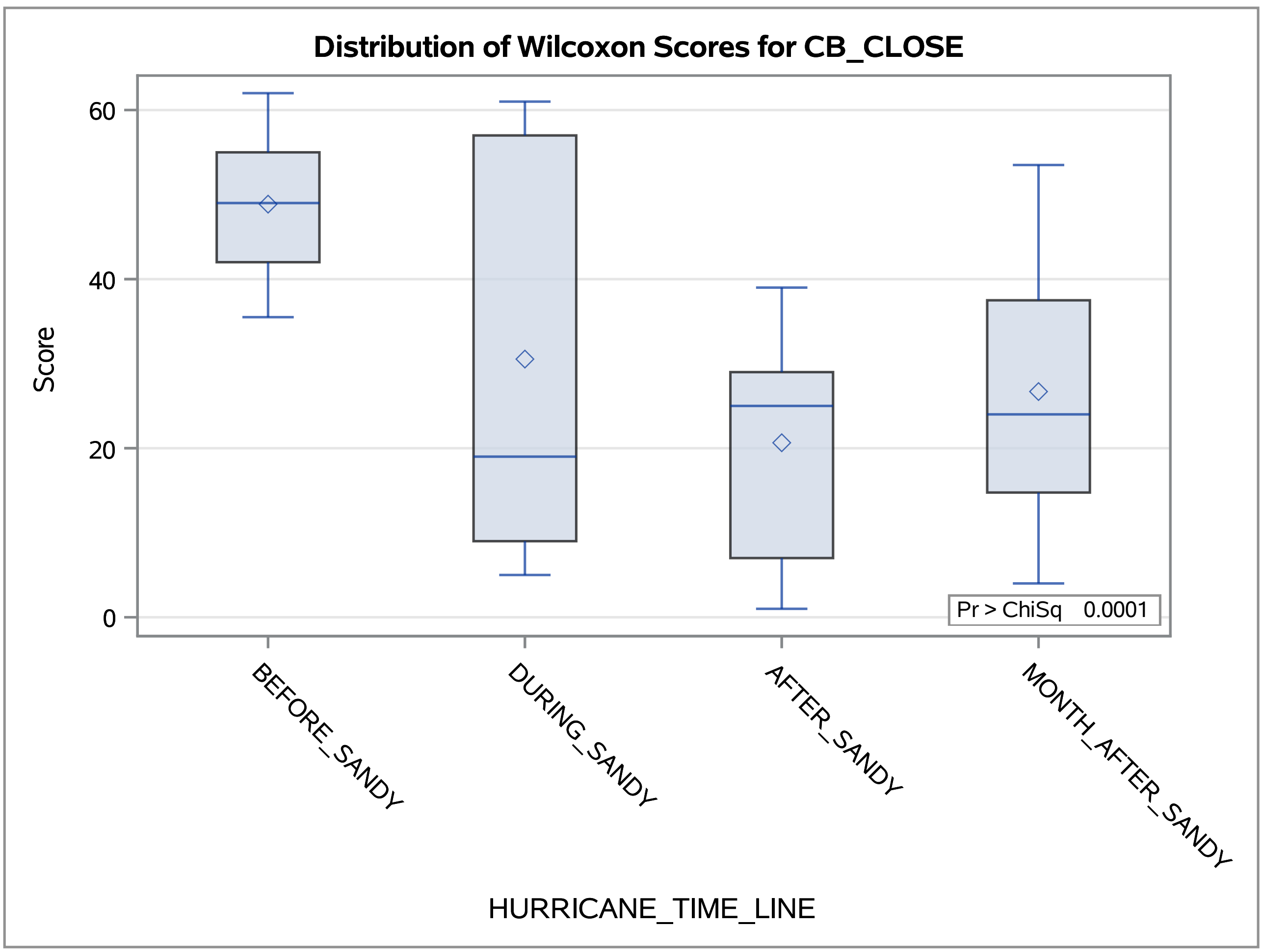


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable CB_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	**N**	**Sum of Scores**	**Expected Under H0**	**Std Dev Under H0**	**Mean Score**
BEFORE_SANDY	15	733.0	472.50	60.834069	48.866667
DURING_SANDY	13	397.0	409.50	57.825850	30.538462
AFTER_SANDY	14	289.0	441.00	59.393230	20.642857
MONTH_AFTER_SANDY	20	534.0	630.00	66.403650	26.700000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	20.4238
DF	3
Pr > Chi-Square	0.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

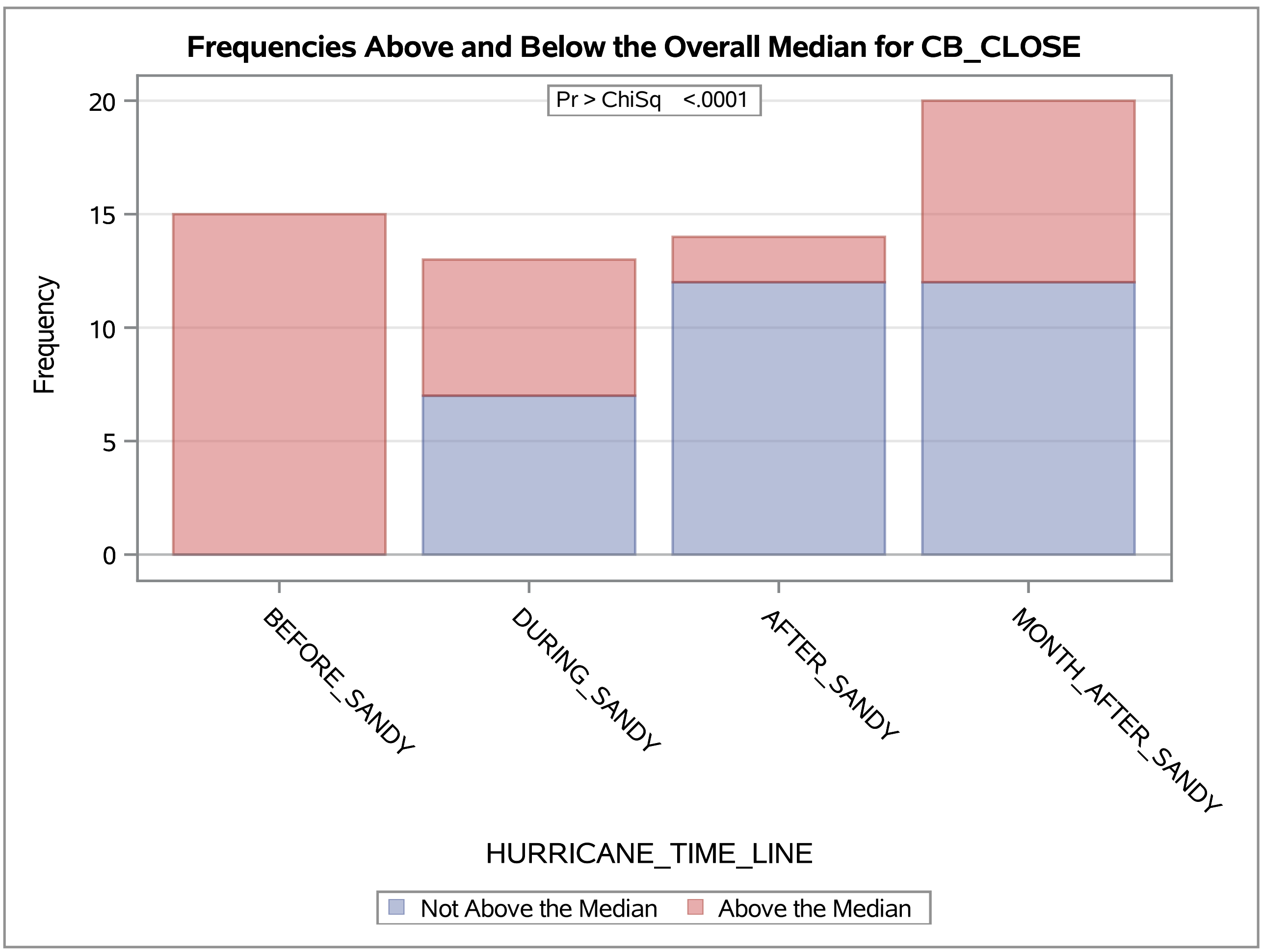
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable CB_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	6.0	6.50	1.615752	0.461538
AFTER_SANDY	14	2.0	7.00	1.659548	0.142857
MONTH_AFTER_SANDY	20	8.0	10.00	1.855431	0.400000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	22.6485
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

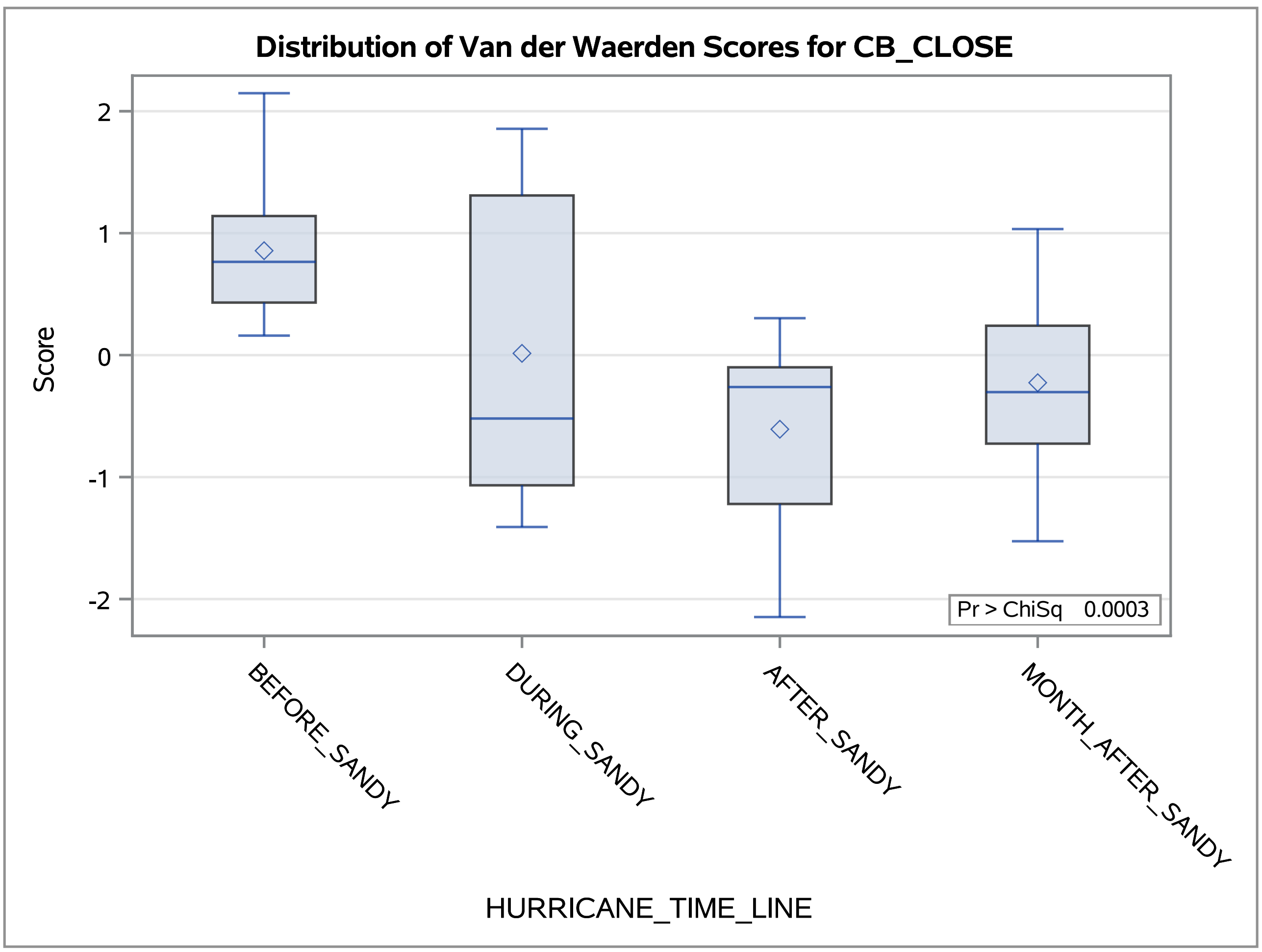
Van der Waerden Scores (Normal) for Variable CB_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	12.843303	0.0	3.205605	0.856220
DURING_SANDY	13	0.187343	0.0	3.047089	0.014411
AFTER_SANDY	14	-8.506889	0.0	3.129681	-0.607635
MONTH_AFTER_SANDY	20	-4.523757	0.0	3.499089	-0.226188

Average scores were used for ties.

Van der Waerden One-Way Analysis

Chi-Square	19.0238
DF	3
Pr > Chi-Square	0.0003



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

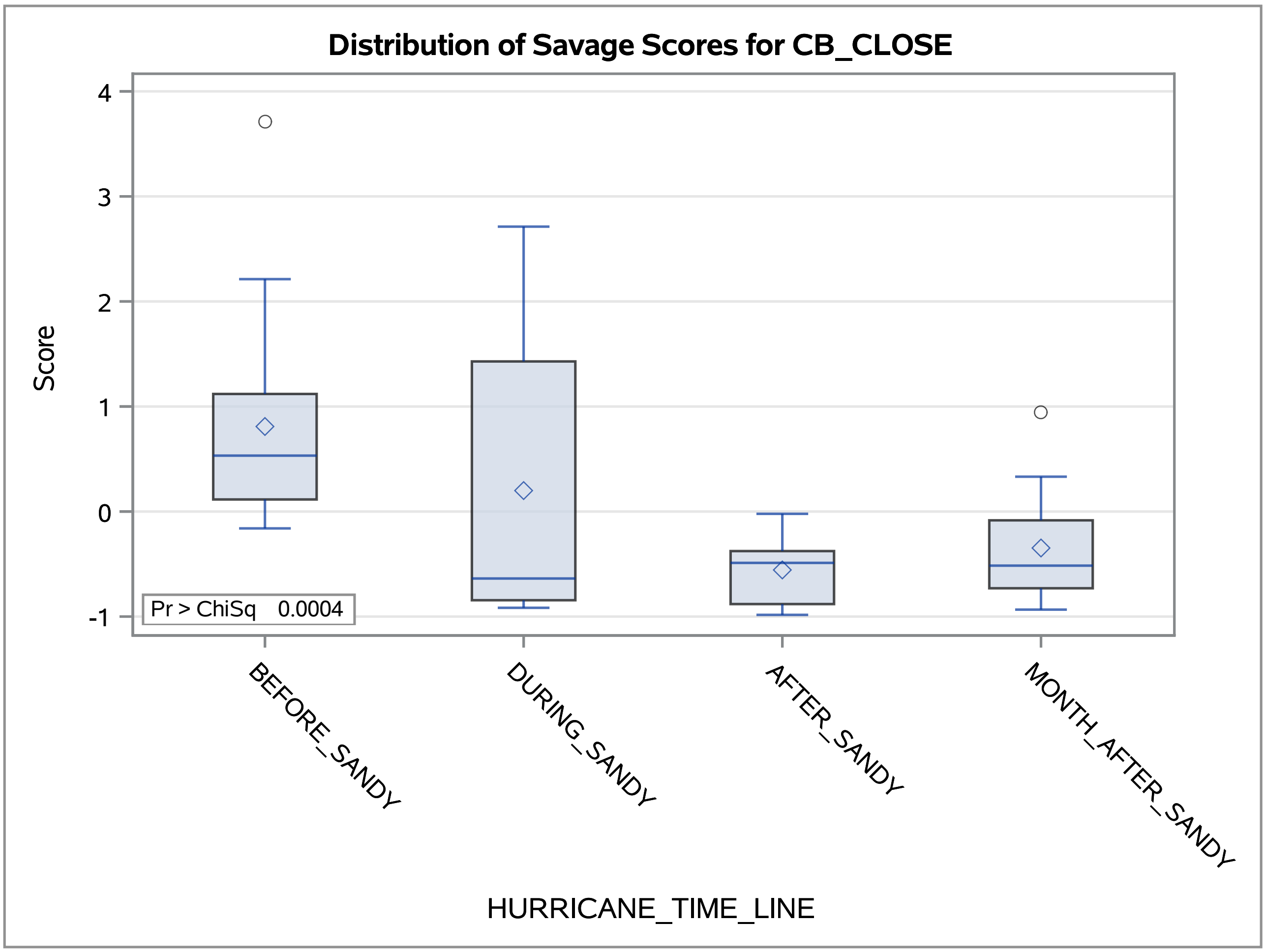
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable CB_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	12.142021	0.0	3.267556	0.809468
DURING_SANDY	13	2.590606	0.0	3.105976	0.199277
AFTER_SANDY	14	-7.787294	0.0	3.190165	-0.556235
MONTH_AFTER_SANDY	20	-6.945332	0.0	3.566712	-0.347267

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	18.1991
DF	3
Pr > Chi-Square	0.0004

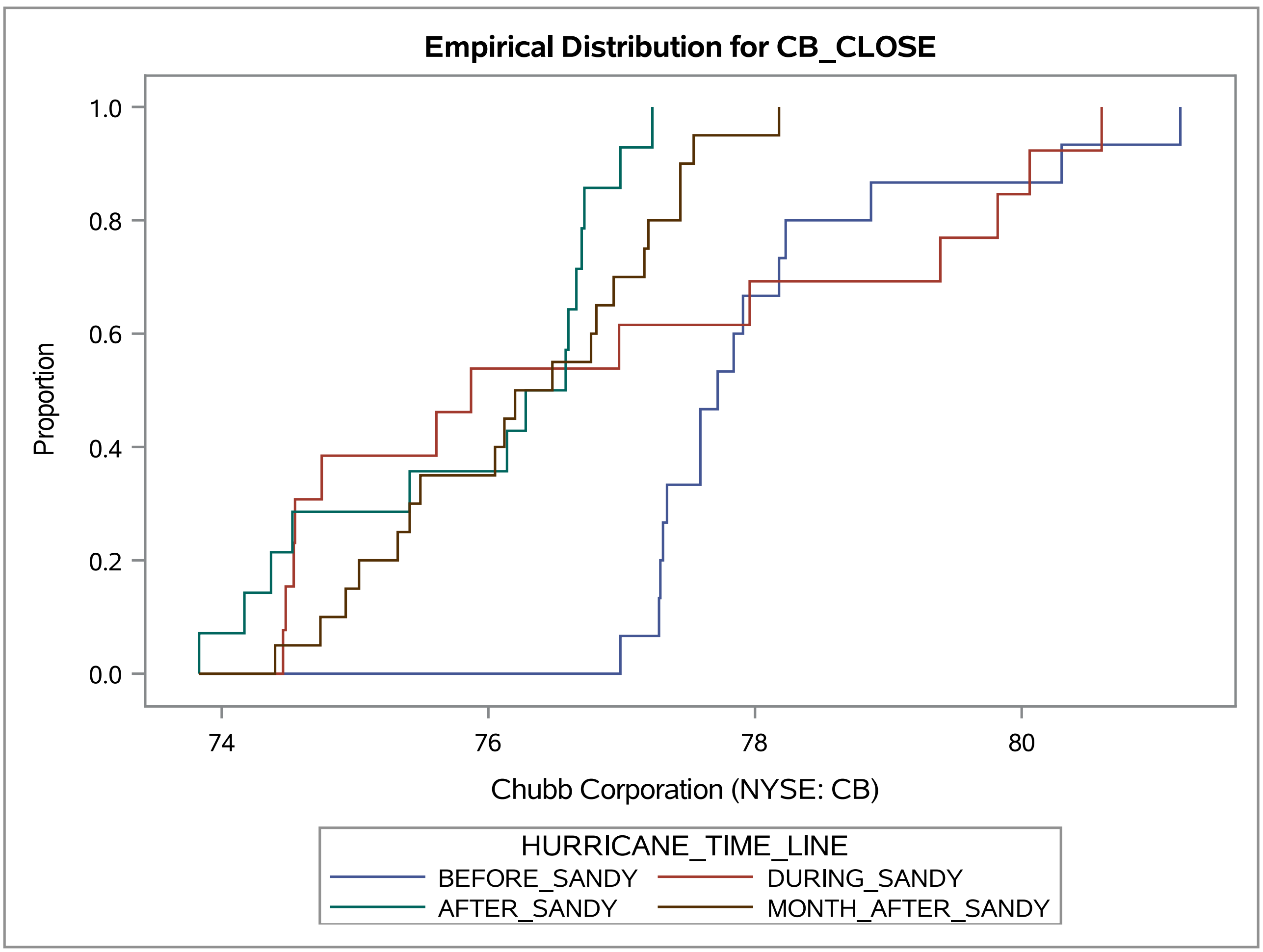


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable CB_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	0.066667	-2.178033
DURING_SANDY	13	0.615385	-0.049207
AFTER_SANDY	14	1.000000	1.388034
MONTH_AFTER_SANDY	20	0.800000	0.764591
Total	62	0.629032	
Maximum Deviation Occurred at Observation 37			
Value of CB_CLOSE at Maximum = 77.230			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.342135	KSa	2.693972



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable CB_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Summed Deviation from Mean**
BEFORE_SANDY	15	1.610661
DURING_SANDY	13	0.207151
AFTER_SANDY	14	0.600200
MONTH_AFTER_SANDY	20	0.244426

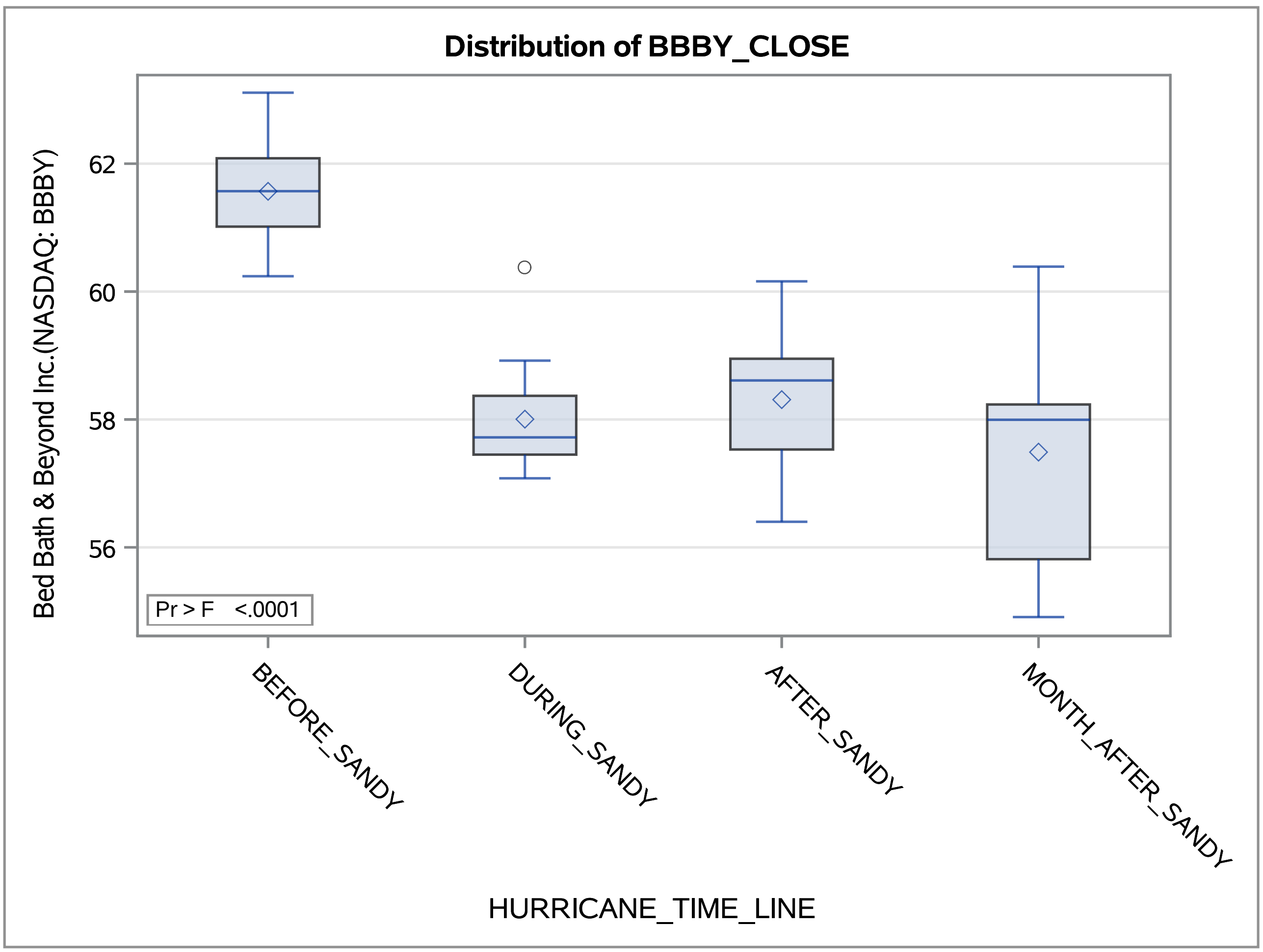
Cramer-von Mises Statistics (Asymptotic)			
CM	0.042943	**CMa**	2.662438

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable BBBY_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	61.567333
DURING_SANDY	13	58.004615
AFTER_SANDY	14	58.310000
MONTH_AFTER_SANDY	20	57.489095

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	160.768399	53.589466	37.6101	<.0001
Within	58	82.642463	1.424870		
Average scores were used for ties.					

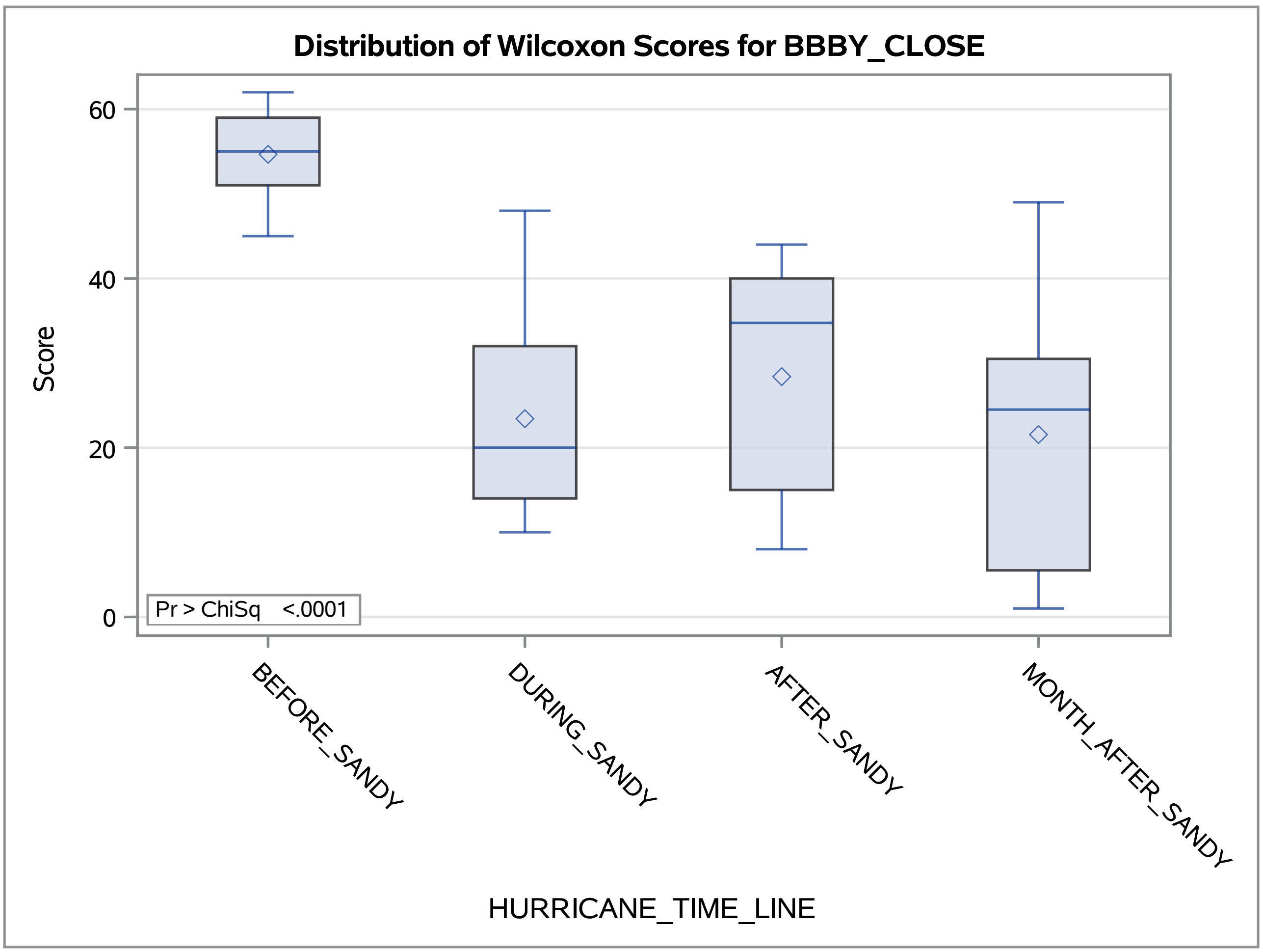


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable BBBY_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	820.00	472.50	60.836367	54.666667
DURING_SANDY	13	304.50	409.50	57.828034	23.423077
AFTER_SANDY	14	397.50	441.00	59.395474	28.392857
MONTH_AFTER_SANDY	20	431.00	630.00	66.406159	21.550000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	33.8380
DF	3
Pr > Chi-Square	<.0001

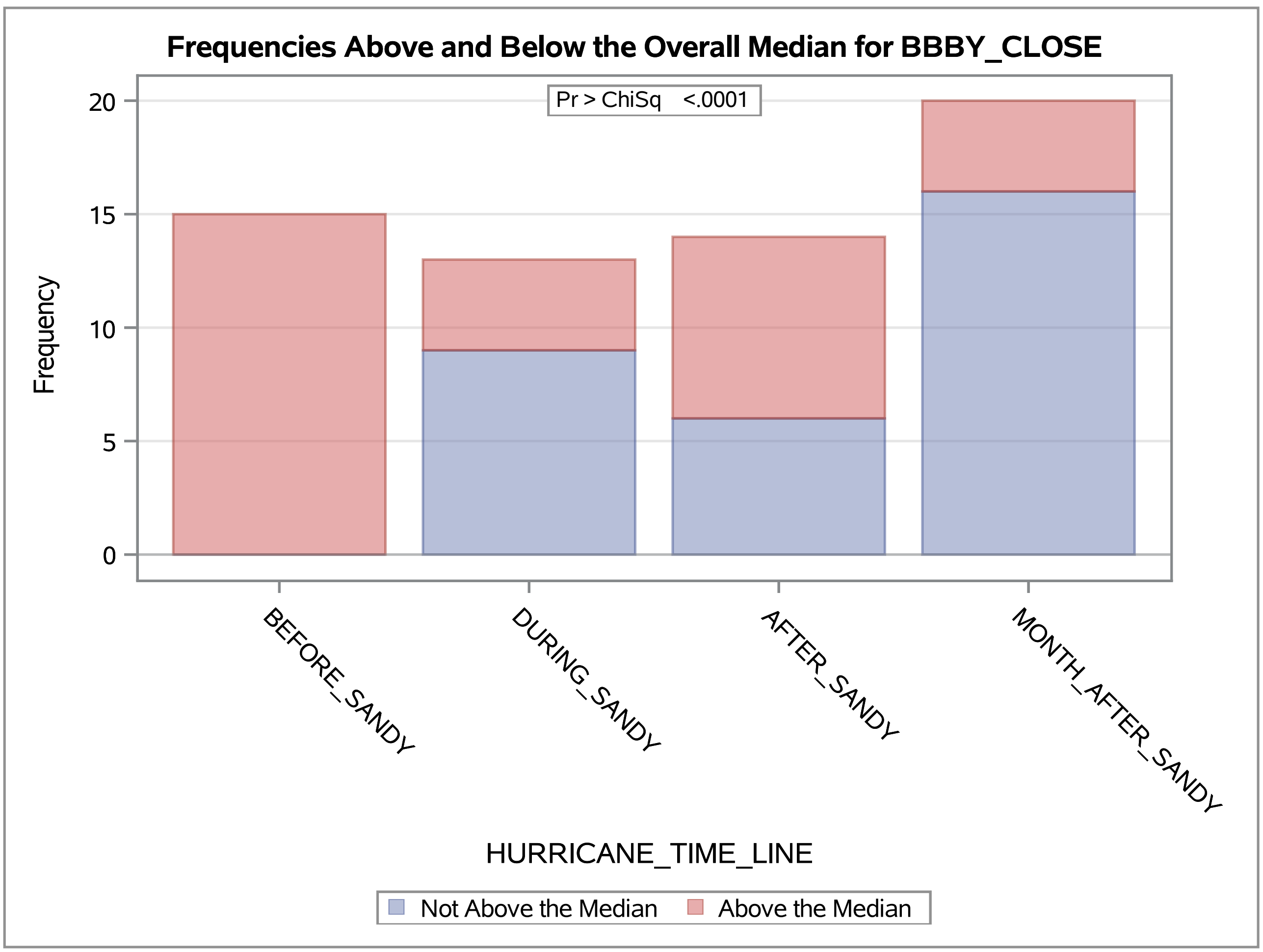


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable BBBY_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	4.0	6.50	1.615752	0.307692
AFTER_SANDY	14	8.0	7.00	1.659548	0.571429
MONTH_AFTER_SANDY	20	4.0	10.00	1.855431	0.200000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	24.0151
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

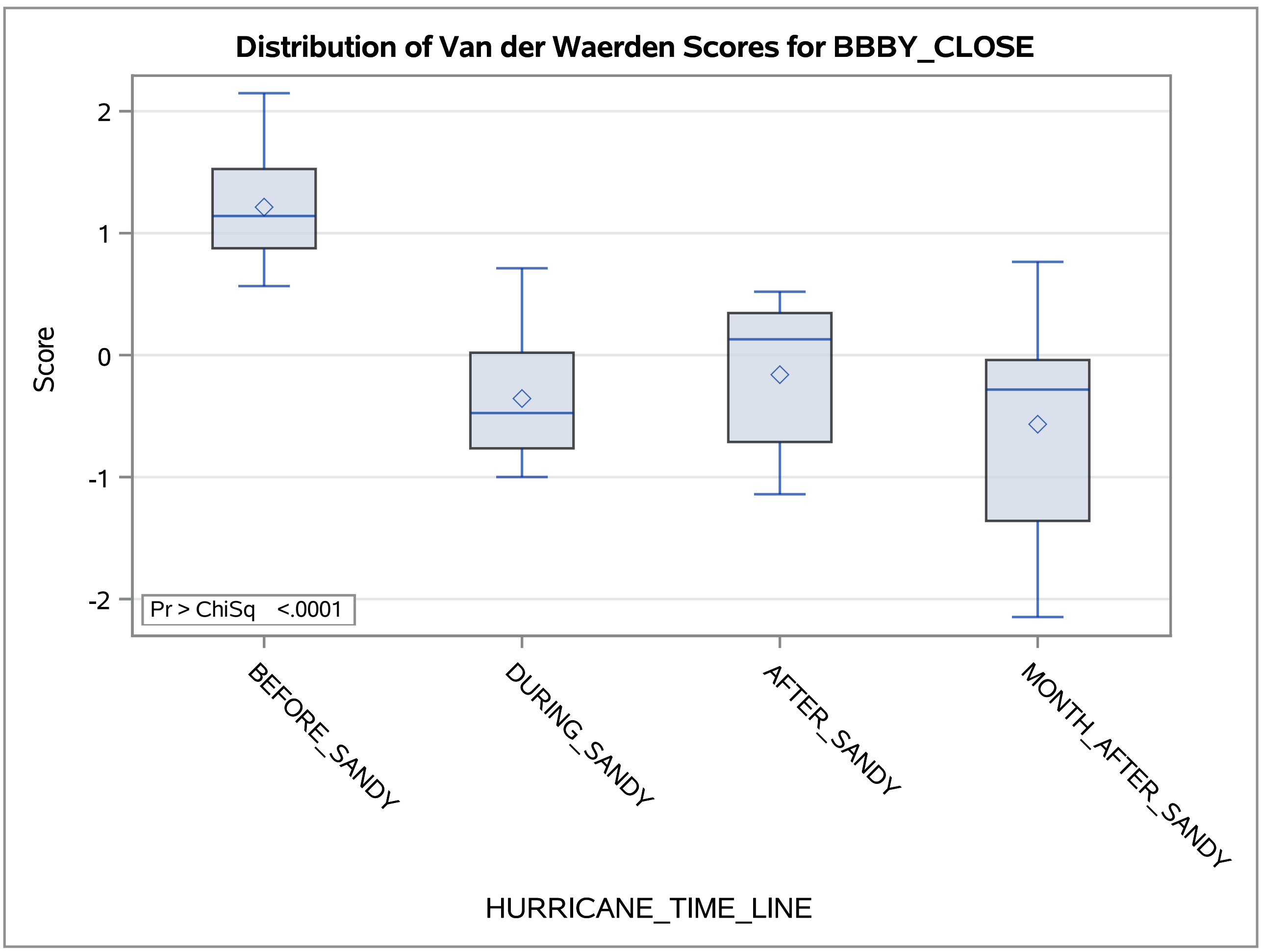
Van der Waerden Scores (Normal) for Variable BBBY_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	18.204440	0.0	3.205742	1.213629
DURING_SANDY	13	-4.629791	0.0	3.047219	-0.356138
AFTER_SANDY	14	-2.244942	0.0	3.129815	-0.160353
MONTH_AFTER_SANDY	20	-11.329707	0.0	3.499239	-0.566485

Average scores were used for ties.

Van der Waerden One-Way Analysis

Chi-Square	33.7699
DF	3
Pr > Chi-Square	<.0001

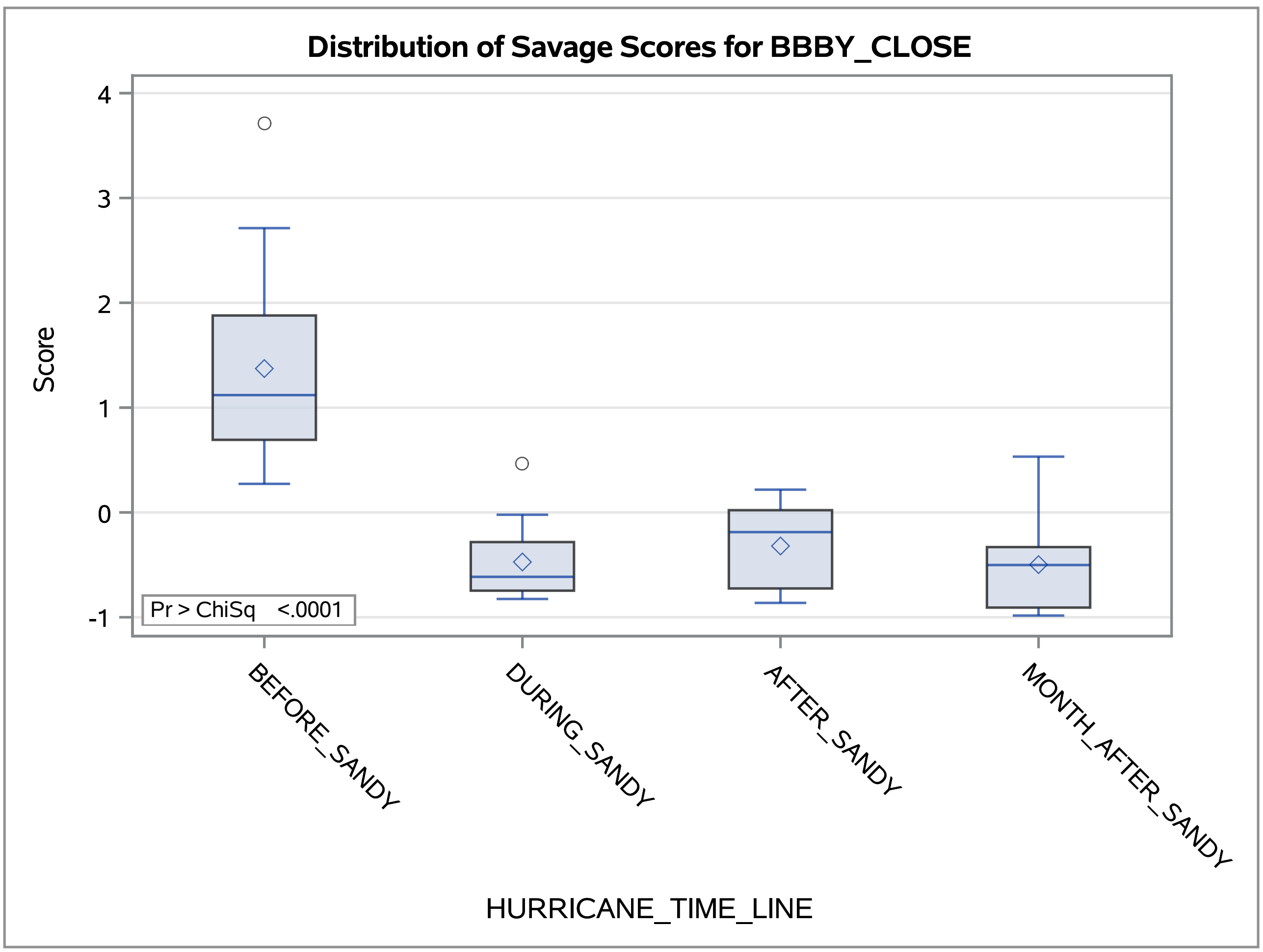


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable BBBY_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	20.586373	0.0	3.267839	1.372425
DURING_SANDY	13	-6.143946	0.0	3.106246	-0.472611
AFTER_SANDY	14	-4.483821	0.0	3.190441	-0.320273
MONTH_AFTER_SANDY	20	-9.958606	0.0	3.567021	-0.497930
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	39.9858
DF	3
Pr > Chi-Square	<.0001

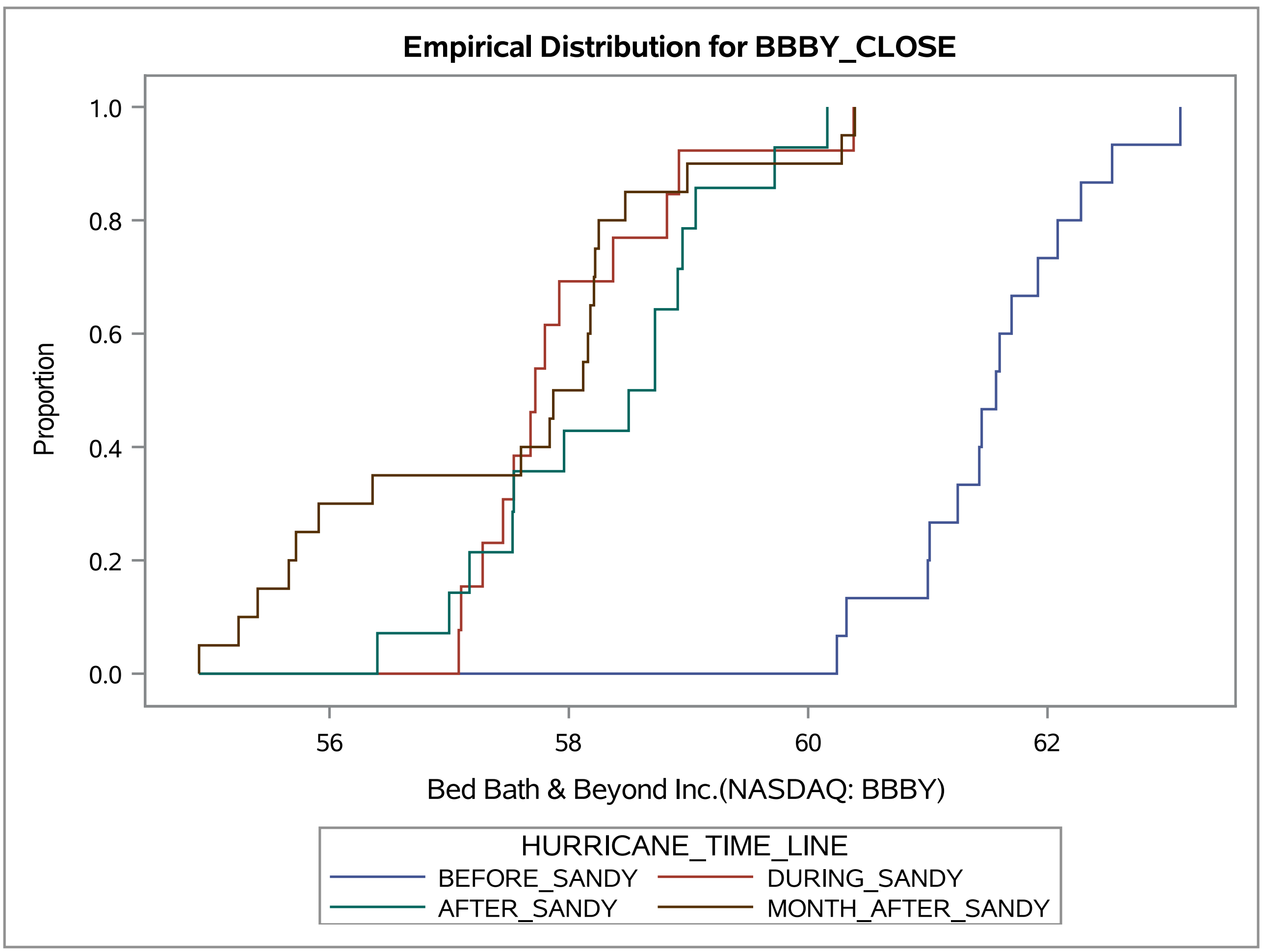


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable BBBY_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	0.000000	-2.748569
DURING_SANDY	13	0.923077	0.769423
AFTER_SANDY	14	1.000000	1.086288
MONTH_AFTER_SANDY	20	0.900000	0.851148
Total	62	0.709677	
Maximum Deviation Occurred at Observation 37			
Value of BBBY_CLOSE at Maximum = 60.160			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.402635	KSa	3.170350



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable BBBY_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	2.770342
DURING_SANDY	13	0.423437
AFTER_SANDY	14	0.180147
MONTH_AFTER_SANDY	20	0.627328

Cramer-von Mises Statistics (Asymptotic)

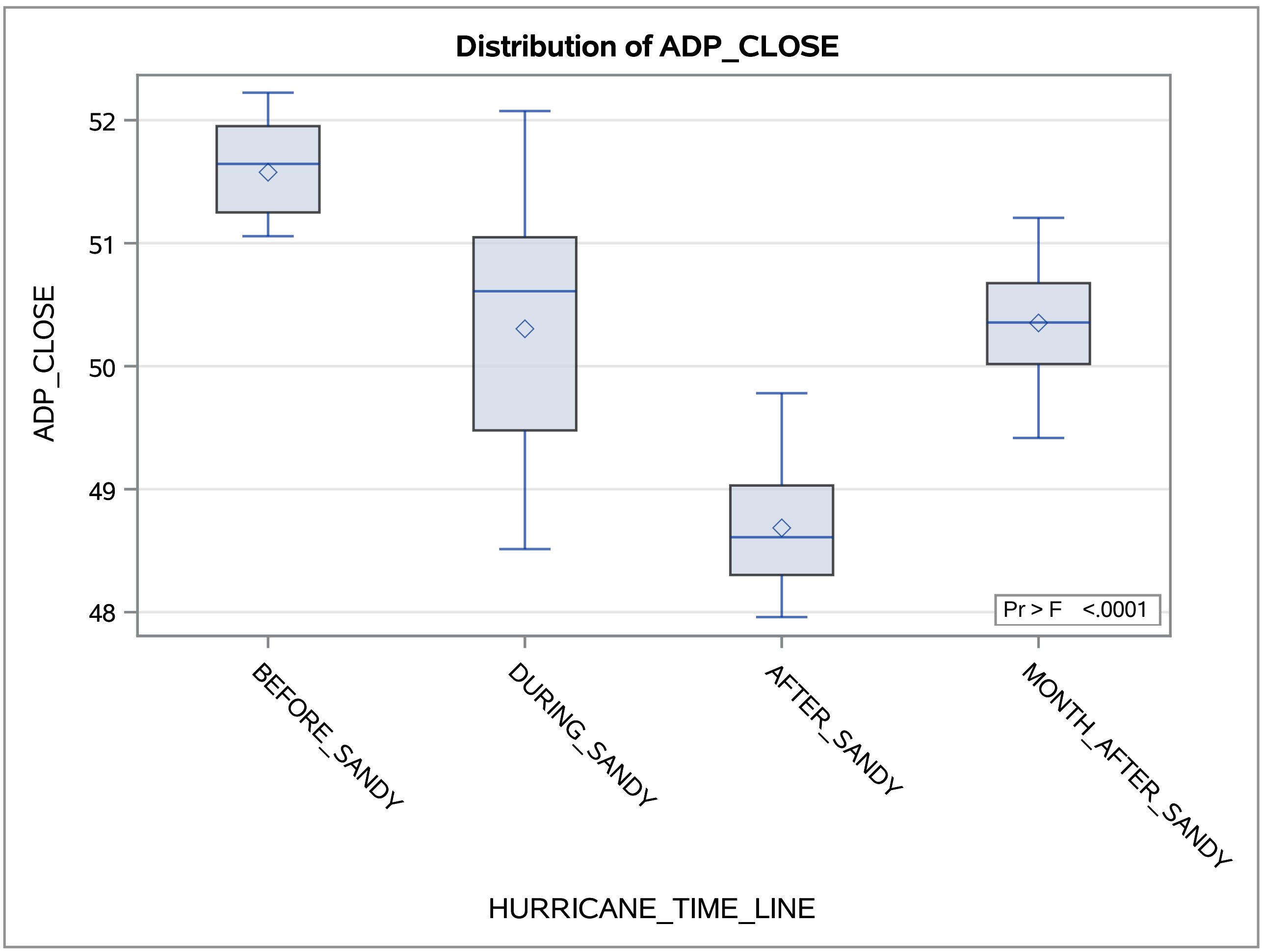
CM	0.064536	CMa	4.001253

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable ADP_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	51.576760
DURING_SANDY	13	50.303854
AFTER_SANDY	14	48.685171
MONTH_AFTER_SANDY	20	50.351605

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	60.921693	20.307231	50.3701	<.0001
Within	58	23.383316	0.403161		
Average scores were used for ties.					



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

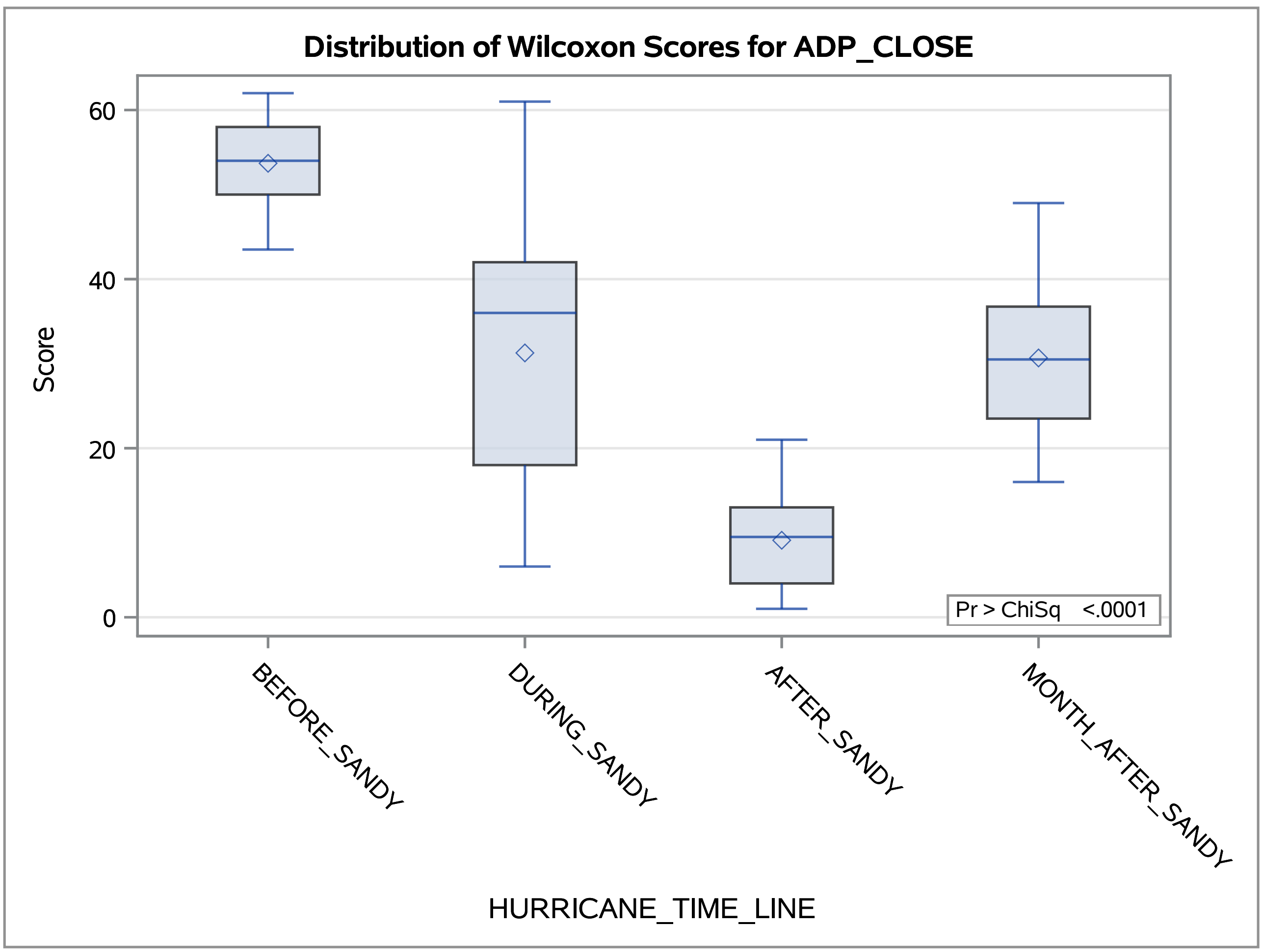
The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable ADP_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	805.50	472.50	60.834069	53.700000
DURING_SANDY	13	406.50	409.50	57.825850	31.269231
AFTER_SANDY	14	127.50	441.00	59.393230	9.107143
MONTH_AFTER_SANDY	20	613.50	630.00	66.403650	30.675000

Average scores were used for ties.

Kruskal-Wallis Test	
Chi-Square	44.3284
DF	3
Pr > Chi-Square	<.0001

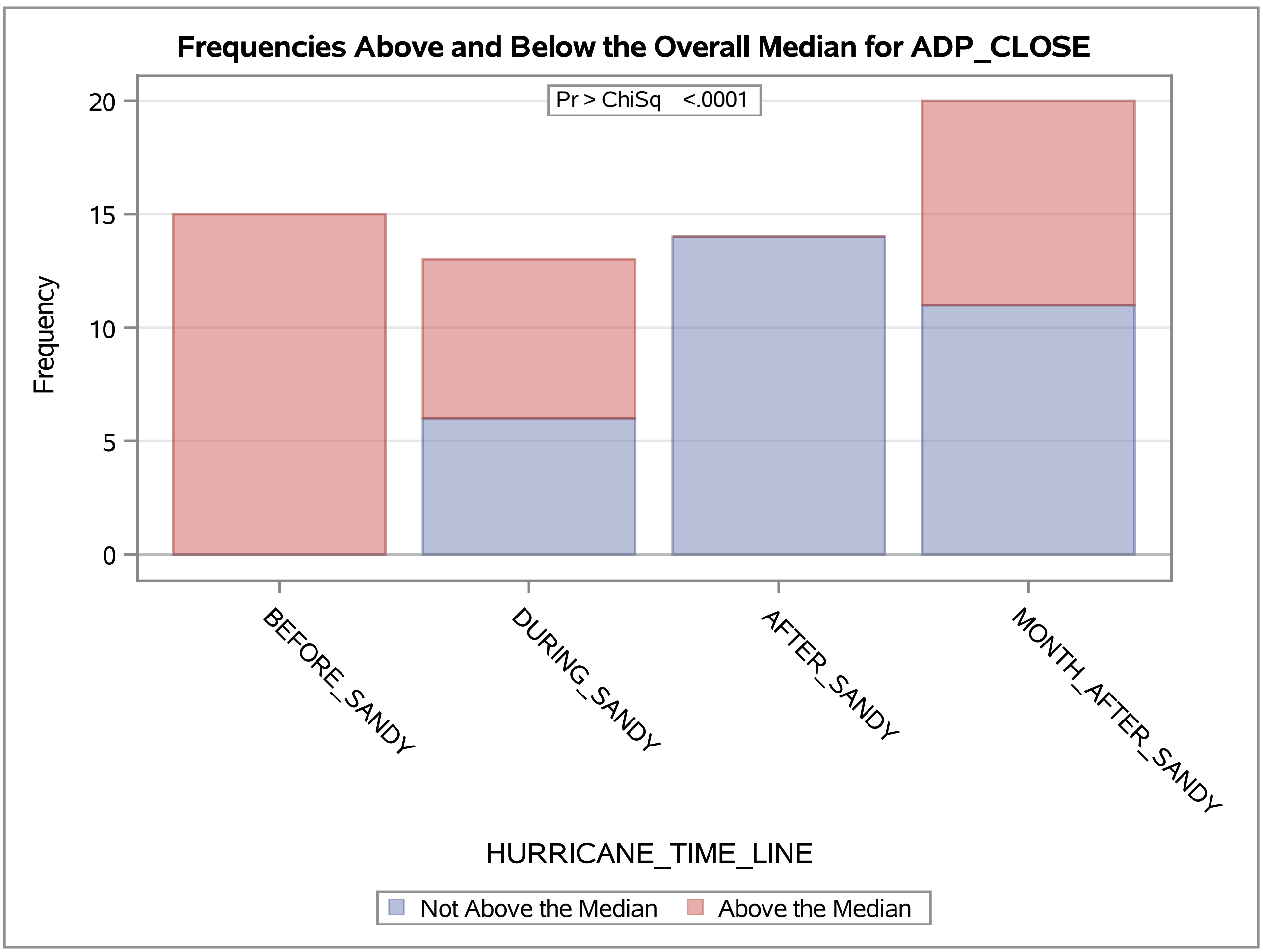


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable ADP_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	7.0	6.50	1.615752	0.538462
AFTER_SANDY	14	0.0	7.00	1.659548	0.000000
MONTH_AFTER_SANDY	20	9.0	10.00	1.855431	0.450000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	28.8047
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

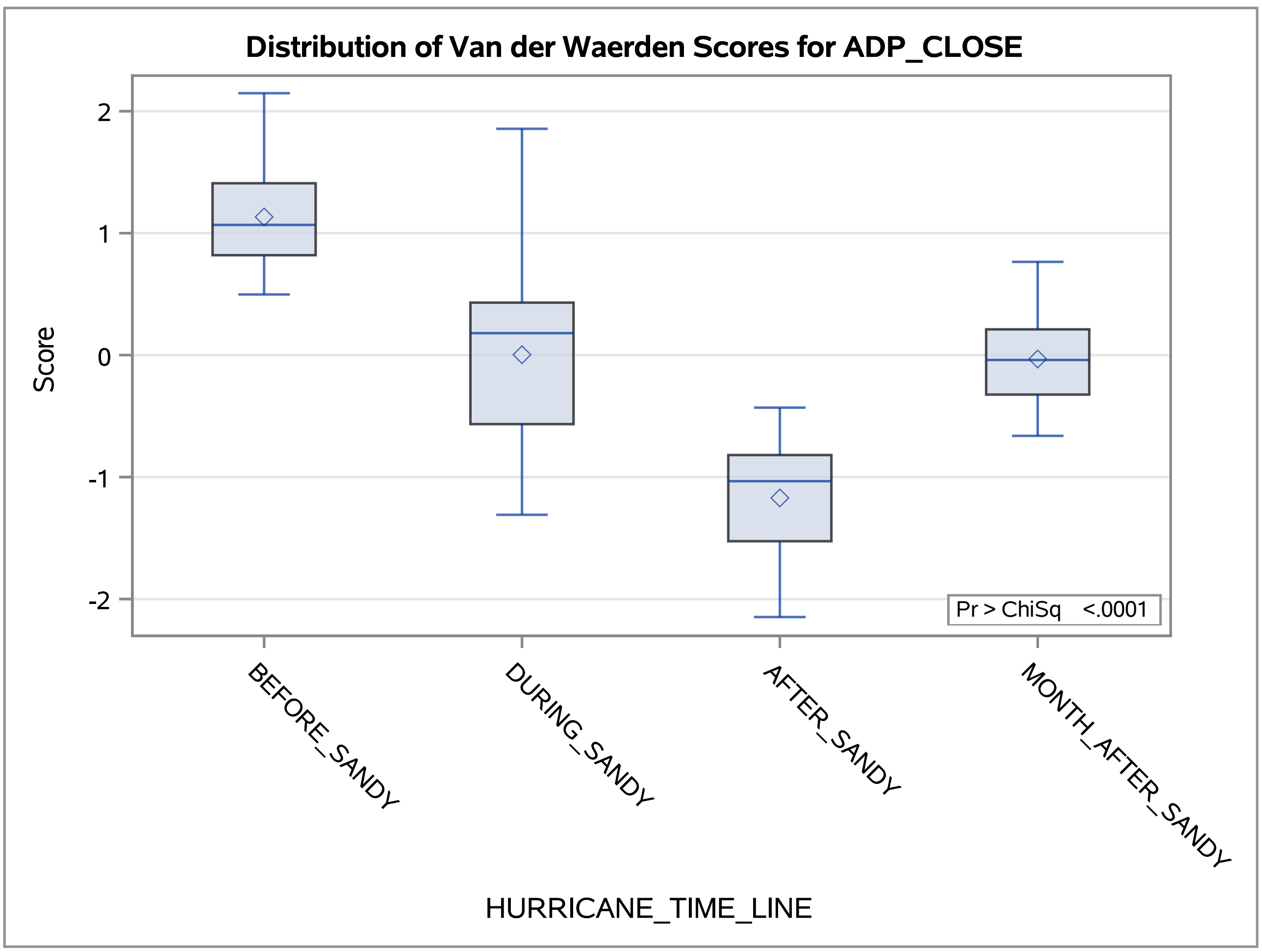
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable ADP_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	16.992531	0.0	3.205607	1.132835
DURING_SANDY	13	0.042867	0.0	3.047091	0.003297
AFTER_SANDY	14	-16.394444	0.0	3.129683	-1.171032
MONTH_AFTER_SANDY	20	-0.640954	0.0	3.499092	-0.032048

Average scores were used for ties.

Van der Waerden One-Way Analysis	
Chi-Square	42.5683
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

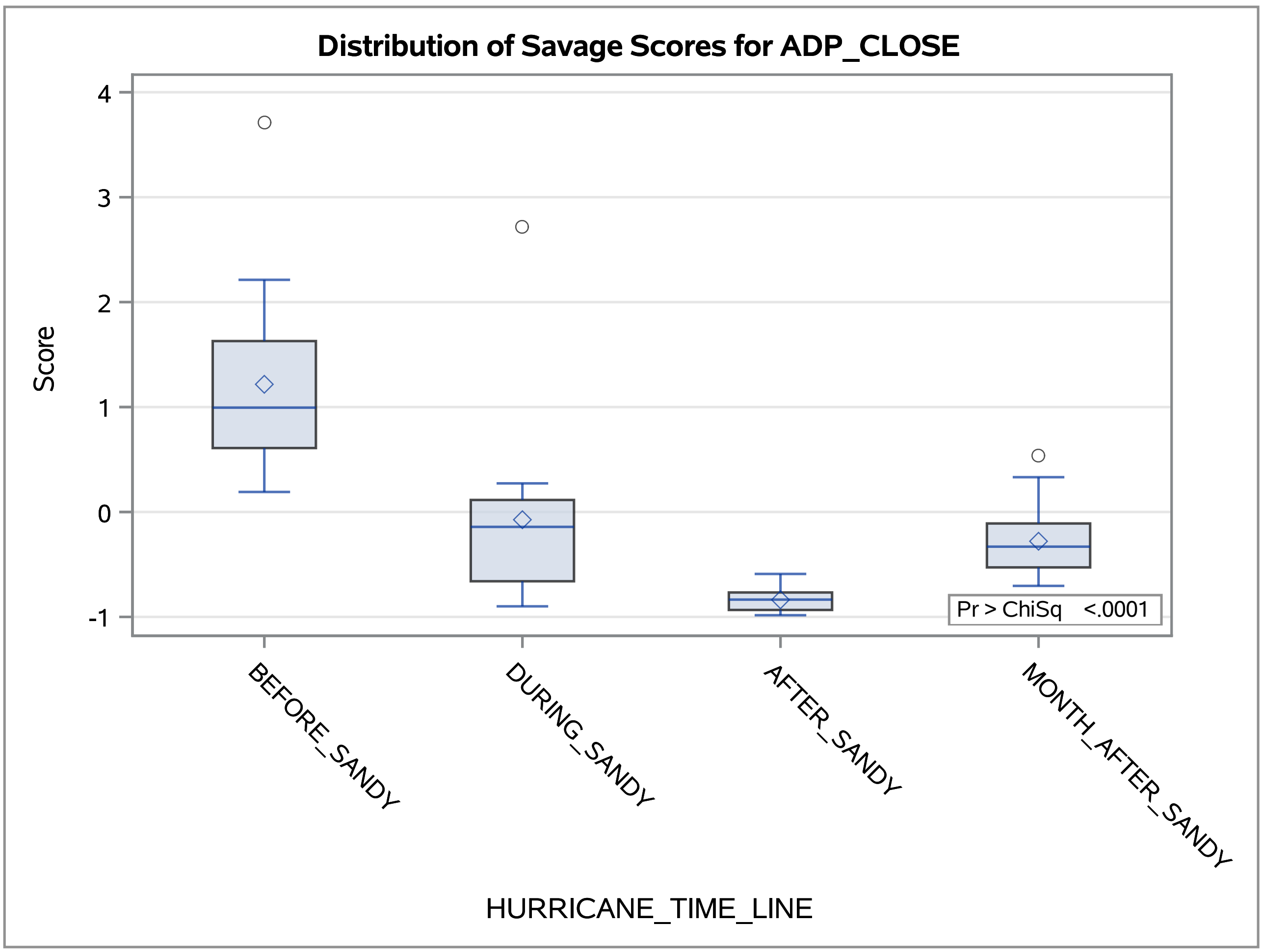
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable ADP_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	18.252939	0.0	3.267778	1.216863
DURING_SANDY	13	-0.957078	0.0	3.106188	-0.073621
AFTER_SANDY	14	-11.717501	0.0	3.190381	-0.836964
MONTH_AFTER_SANDY	20	-5.578361	0.0	3.566955	-0.278918

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	35.8270
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

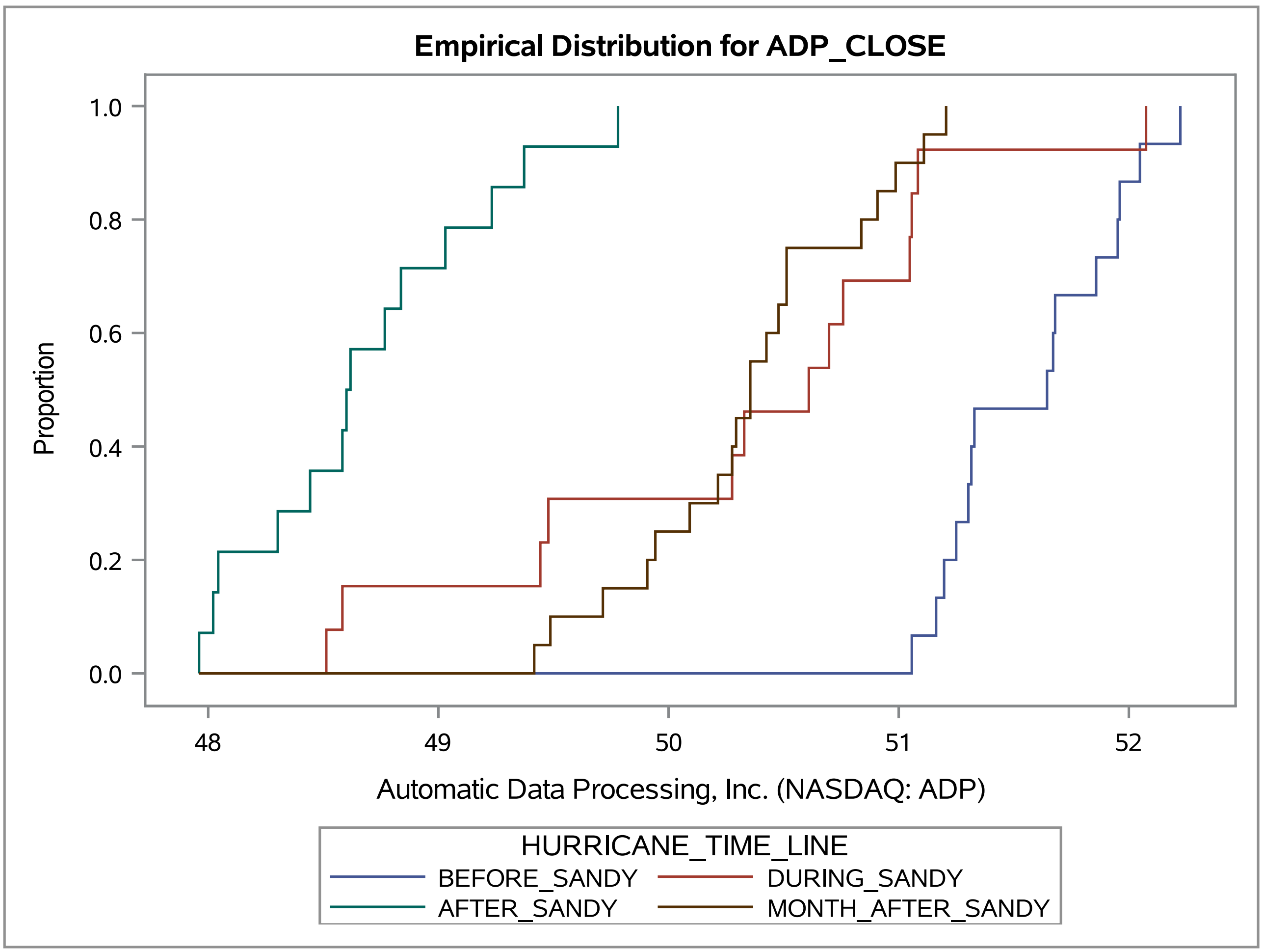
The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable ADP_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	0.000000	-2.623634
DURING_SANDY	13	0.769231	0.331031
AFTER_SANDY	14	1.000000	1.206986
MONTH_AFTER_SANDY	20	0.900000	0.995411
Total	62	0.677419	
Maximum Deviation Occurred at Observation 20			
Value of ADP_CLOSE at Maximum = 51.04820			

Kolmogorov-Smirnov Statistics (Asymptotic)

KS	0.390217	KSa	3.072571



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable ADP_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	2.584682
DURING_SANDY	13	0.074469
AFTER_SANDY	14	2.388304
MONTH_AFTER_SANDY	20	0.454172

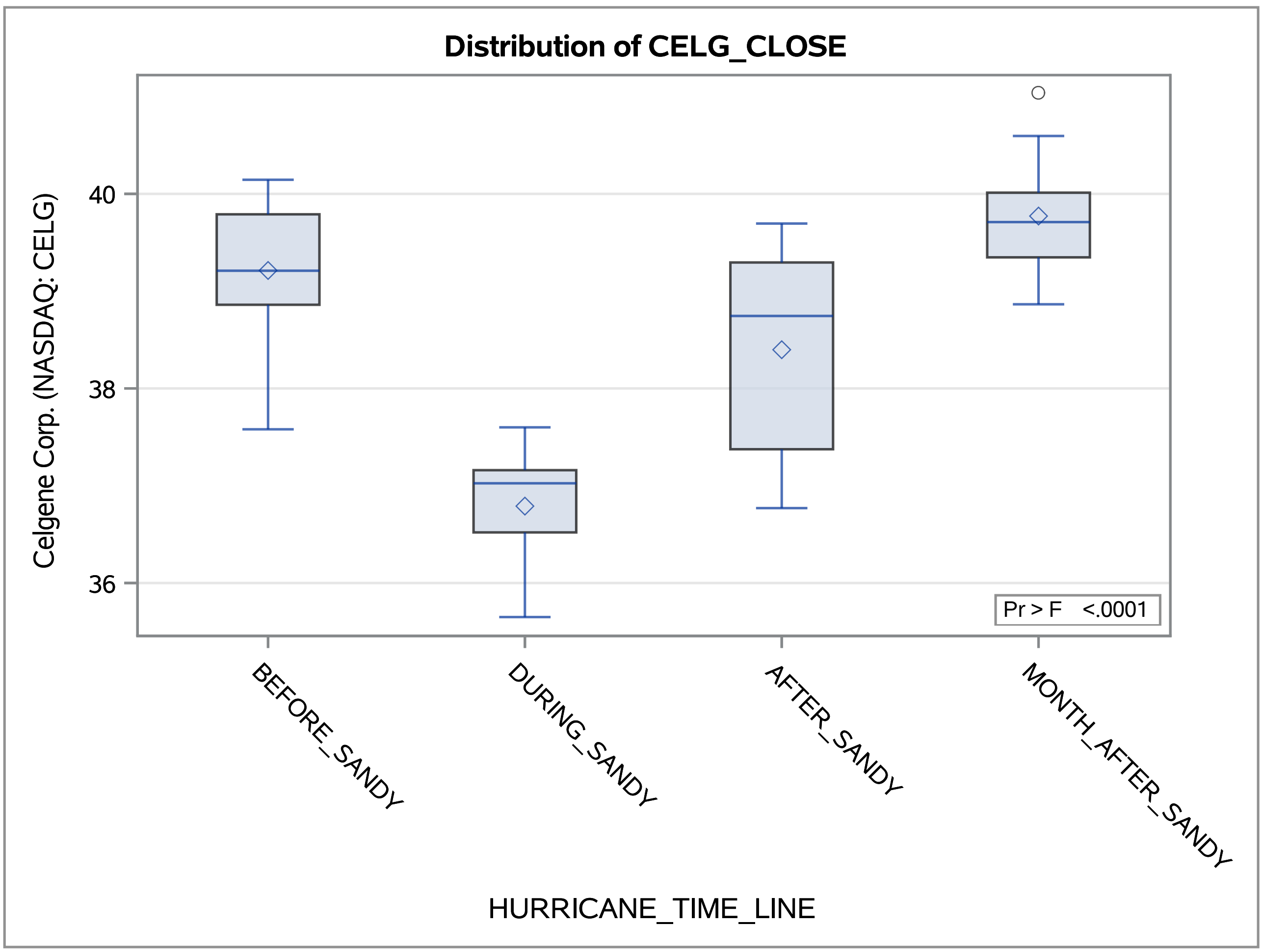
Cramer-von Mises Statistics (Asymptotic)			
CM	0.088736	CMa	5.501627

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable CELG_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	39.212500
DURING_SANDY	13	36.790385
AFTER_SANDY	14	38.398036
MONTH_AFTER_SANDY	20	39.772000

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	75.606189	25.202063	49.2311	<.0001
Within	58	29.690983	0.511913		
Average scores were used for ties.					



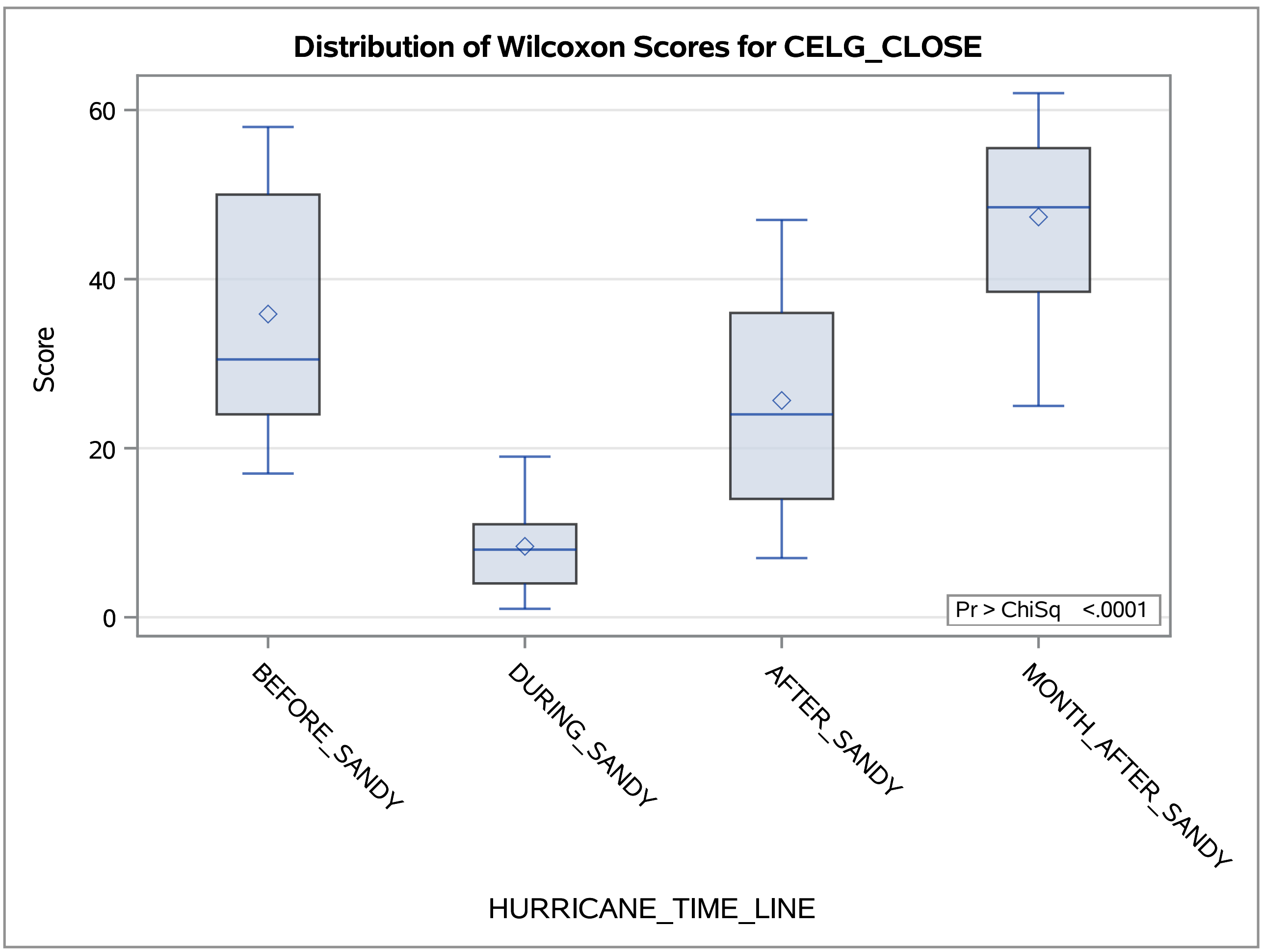
NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable CELG_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	538.0	472.50	60.835601	35.866667
DURING_SANDY	13	109.0	409.50	57.827306	8.384615
AFTER_SANDY	14	359.0	441.00	59.394726	25.642857
MONTH_AFTER_SANDY	20	947.0	630.00	66.405322	47.350000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	39.1333
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

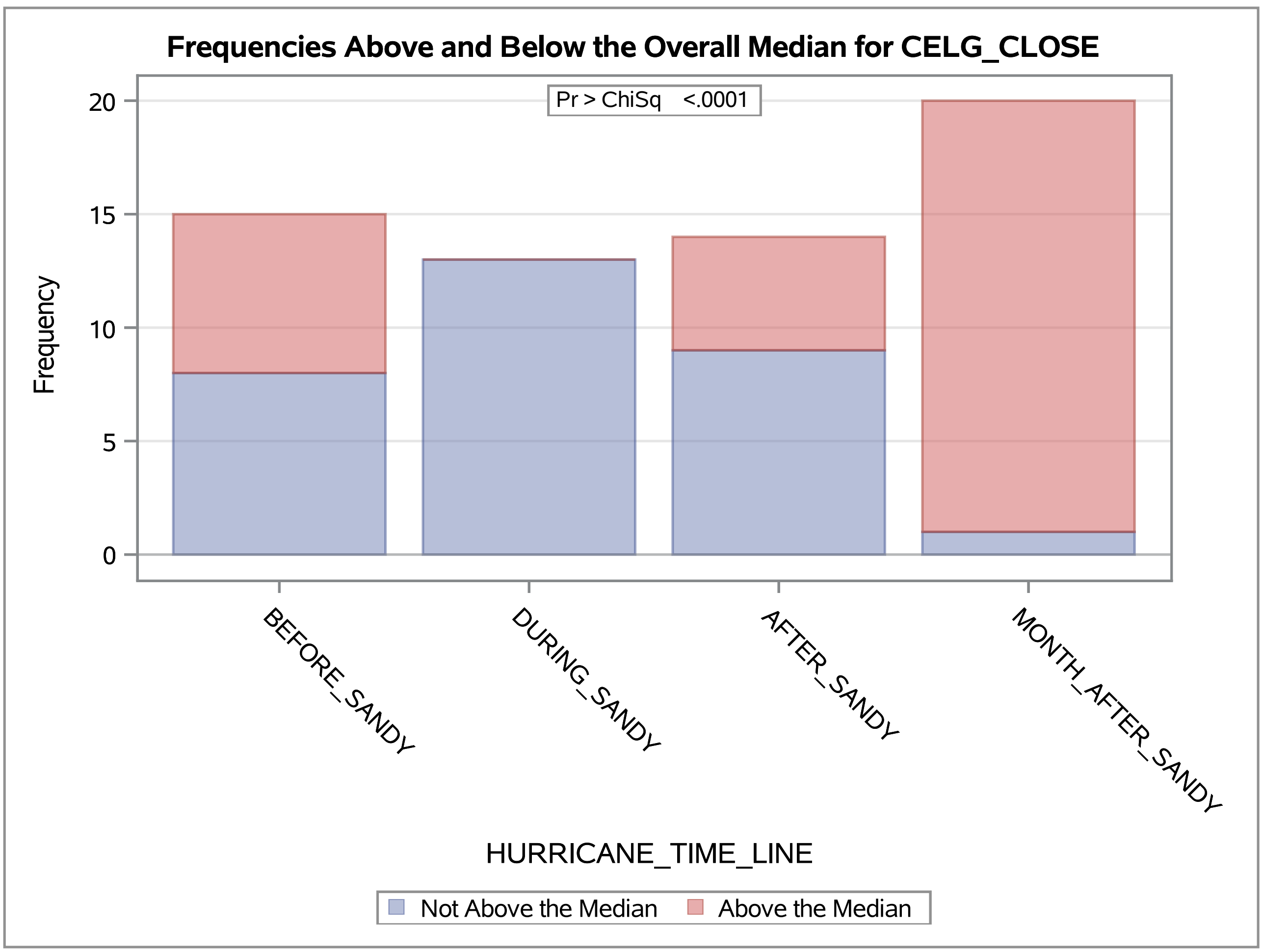
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable CELG_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	7.0	7.50	1.699807	0.466667
DURING_SANDY	13	0.0	6.50	1.615752	0.000000
AFTER_SANDY	14	5.0	7.00	1.659548	0.357143
MONTH_AFTER_SANDY	20	19.0	10.00	1.855431	0.950000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	29.9190
DF	3
Pr > Chi-Square	<.0001

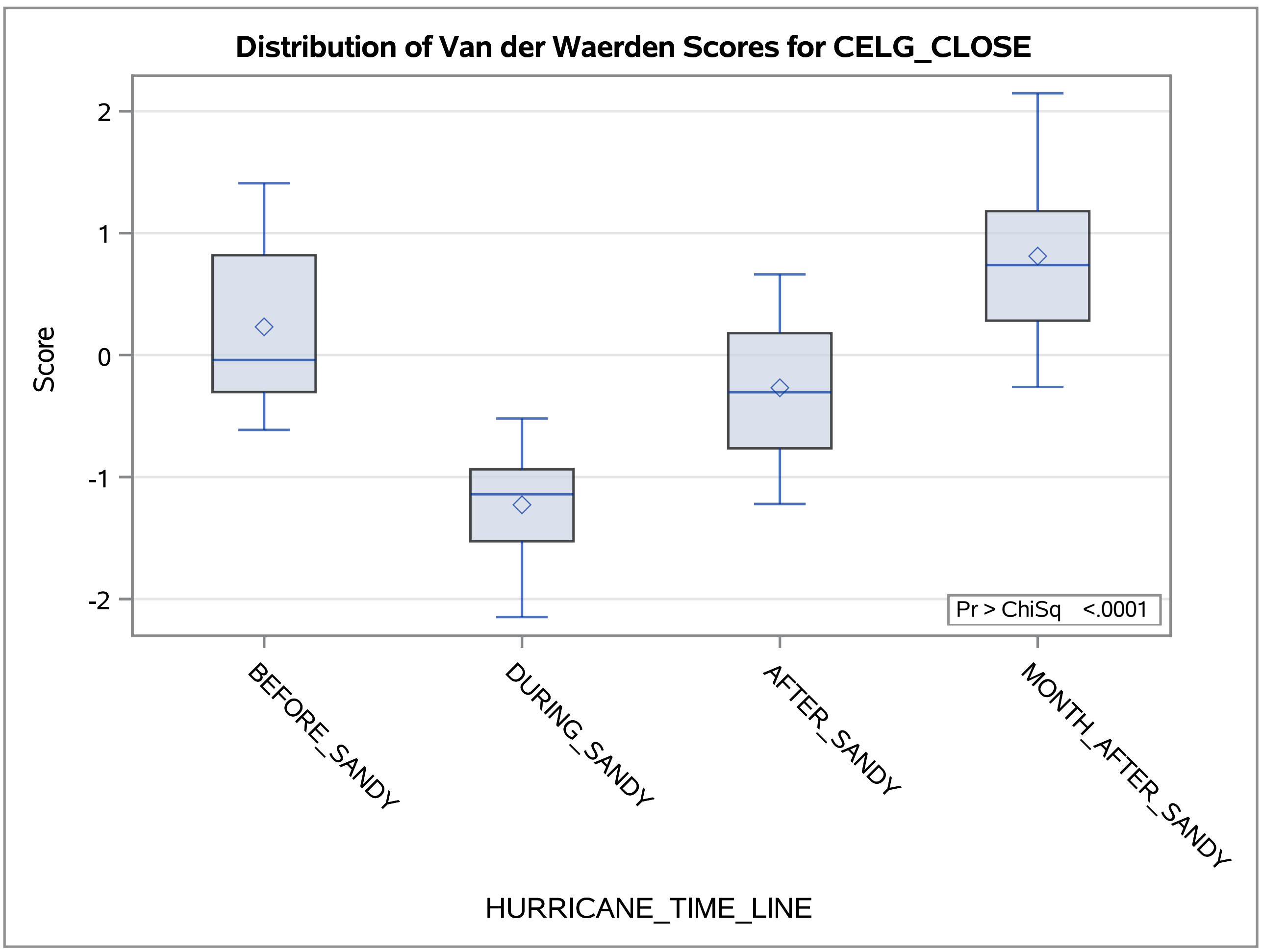


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable CELG_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	3.476071	0.0	3.205658	0.231738
DURING_SANDY	13	-15.954838	0.0	3.047139	-1.227295
AFTER_SANDY	14	-3.751850	0.0	3.129733	-0.267989
MONTH_AFTER_SANDY	20	16.230616	0.0	3.499147	0.811531
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	38.2460
DF	3
Pr > Chi-Square	<.0001

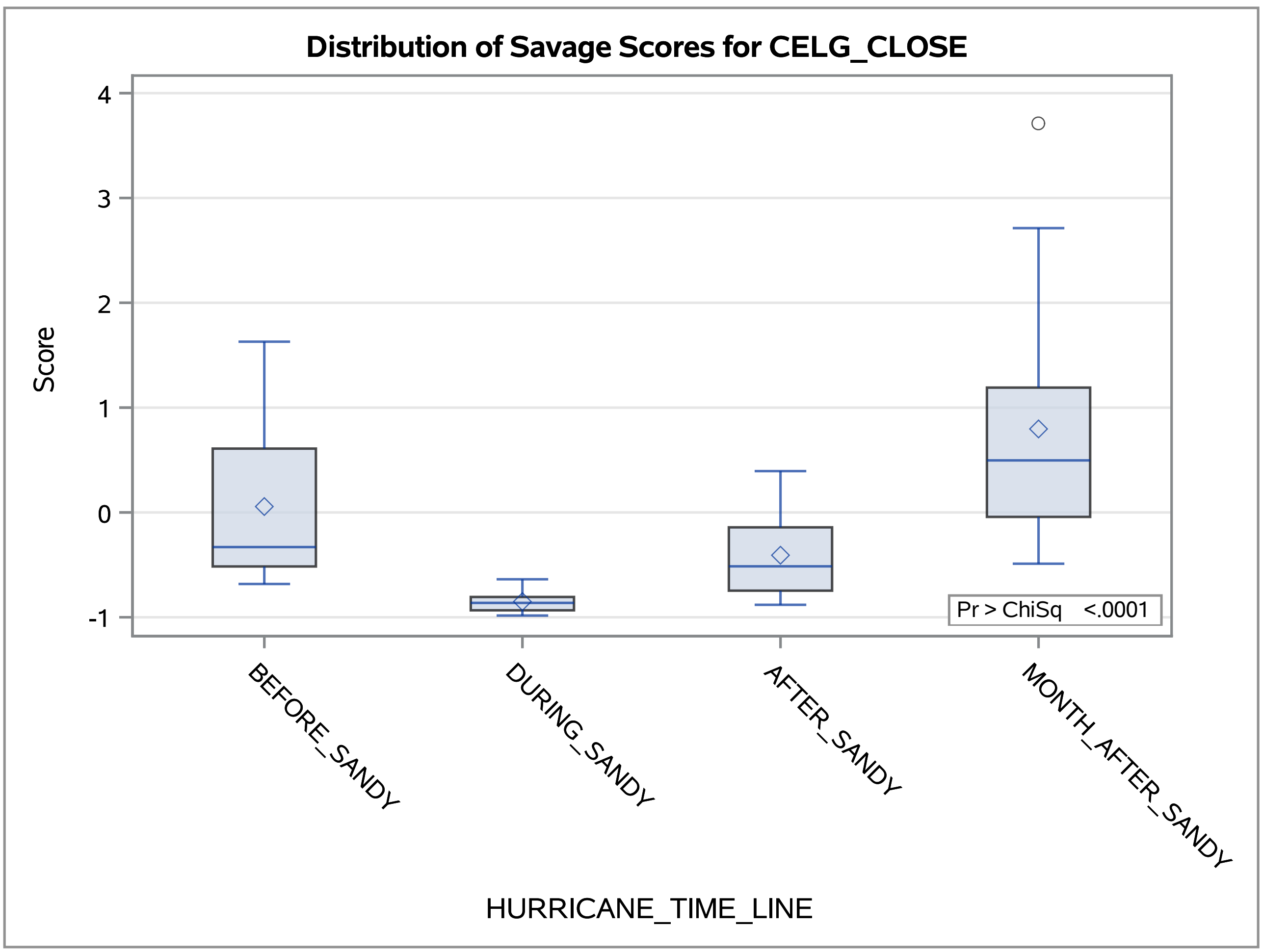


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable CELG_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	0.842760	0.0	3.267728	0.056184
DURING_SANDY	13	-11.058817	0.0	3.106141	-0.850678
AFTER_SANDY	14	-5.716473	0.0	3.190333	-0.408320
MONTH_AFTER_SANDY	20	15.932530	0.0	3.566901	0.796626
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	26.0699
DF	3
Pr > Chi-Square	<.0001

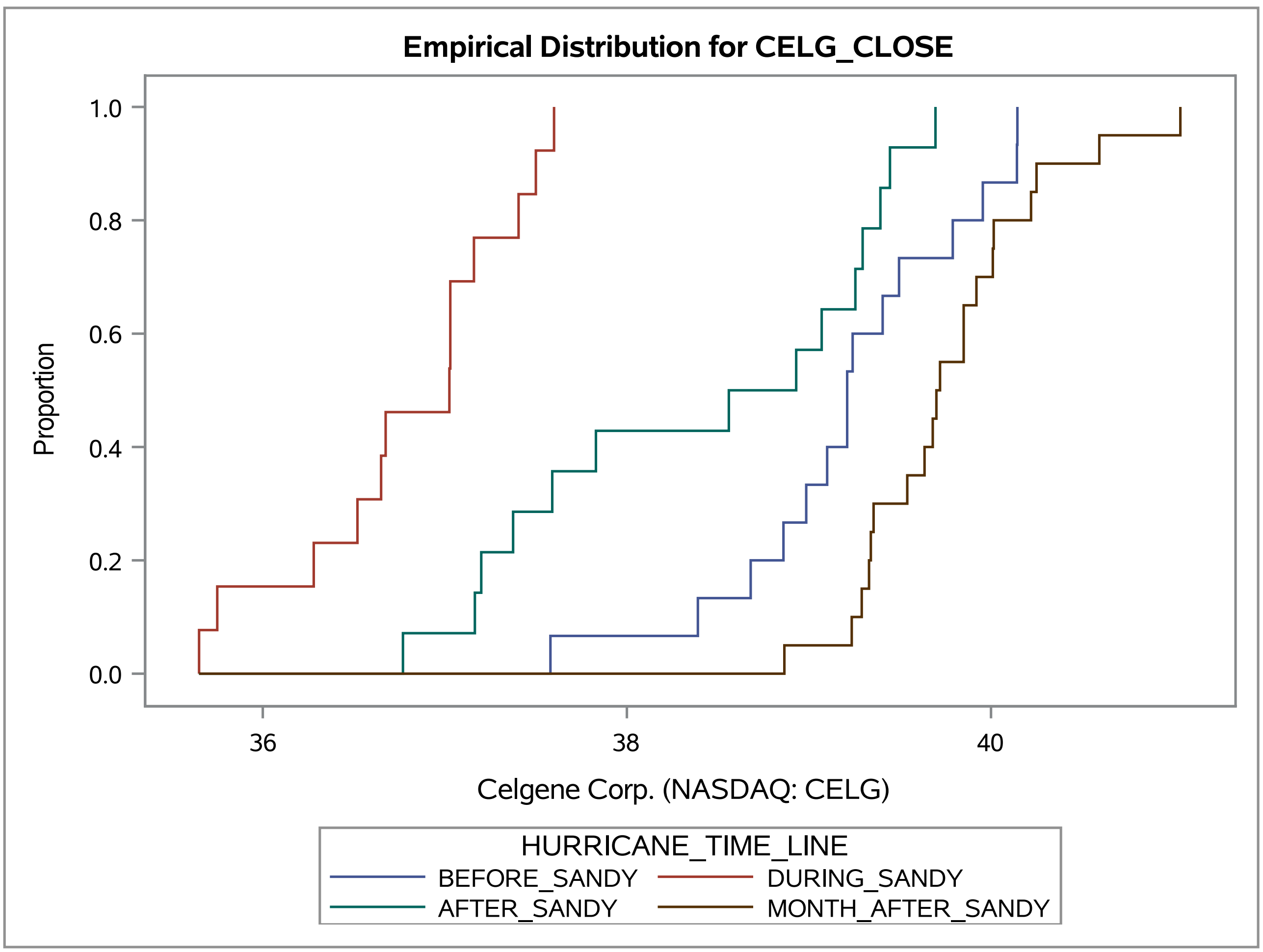


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable CELG_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.066667	-0.991151
DURING_SANDY	13	1.000000	2.442470
AFTER_SANDY	14	0.428571	0.396581
MONTH_AFTER_SANDY	20	0.000000	-1.442625
Total	62	0.322581	
Maximum Deviation Occurred at Observation 29			
Value of CELG_CLOSE at Maximum = 37.830			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.384927	**KSa**	3.030921



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable CELG_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.206705
DURING_SANDY	13	2.353264
AFTER_SANDY	14	0.260564
MONTH_AFTER_SANDY	20	1.648343

Cramer-von Mises Statistics (Asymptotic)

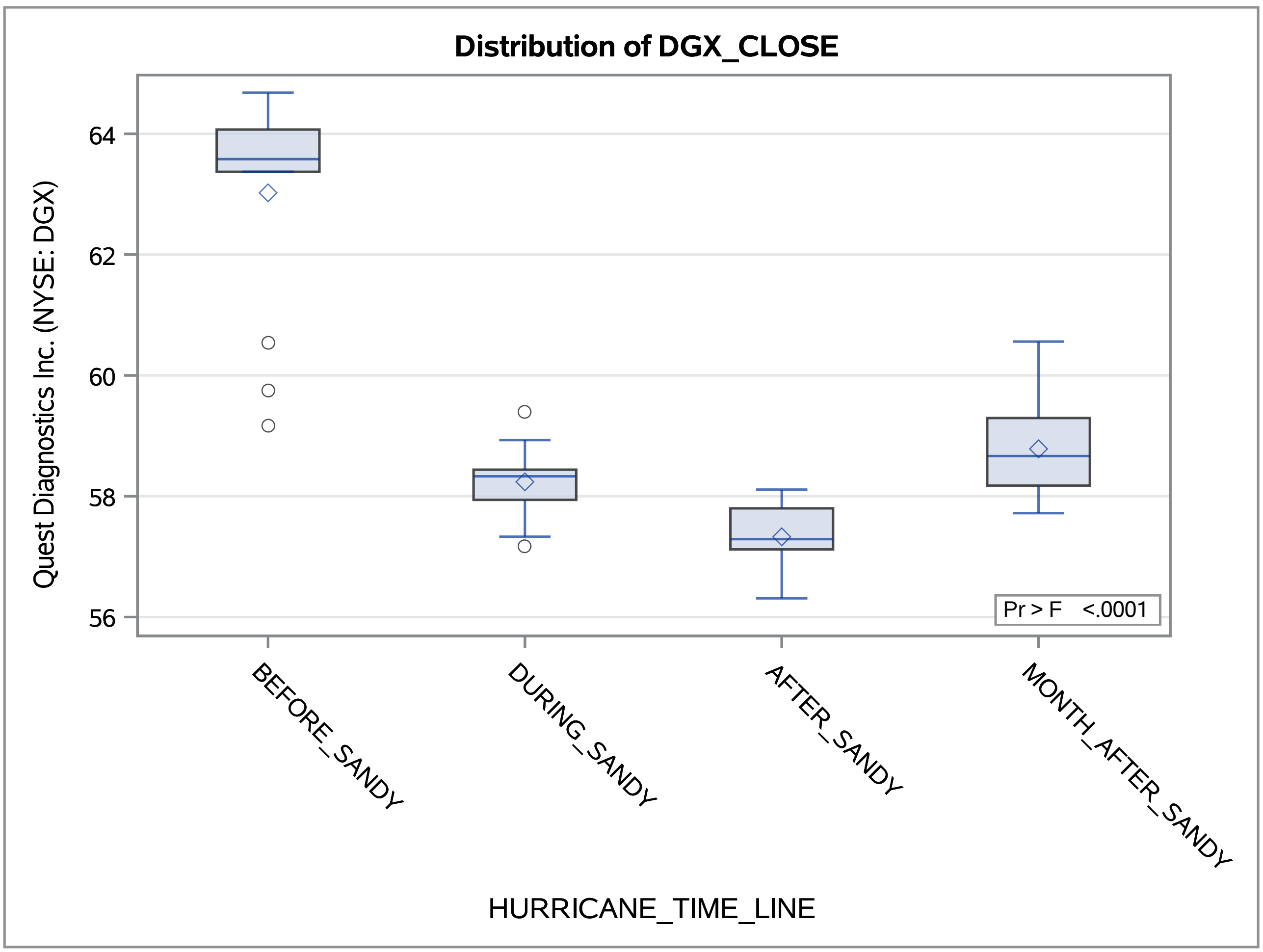
CM	0.072079	CMa	4.468877

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	63.022000
DURING_SANDY	13	58.238462
AFTER_SANDY	14	57.327857
MONTH_AFTER_SANDY	20	58.784500

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	281.941707	93.980569	87.0405	<.0001
Within	58	62.624540	1.079733		
Average scores were used for ties.					



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

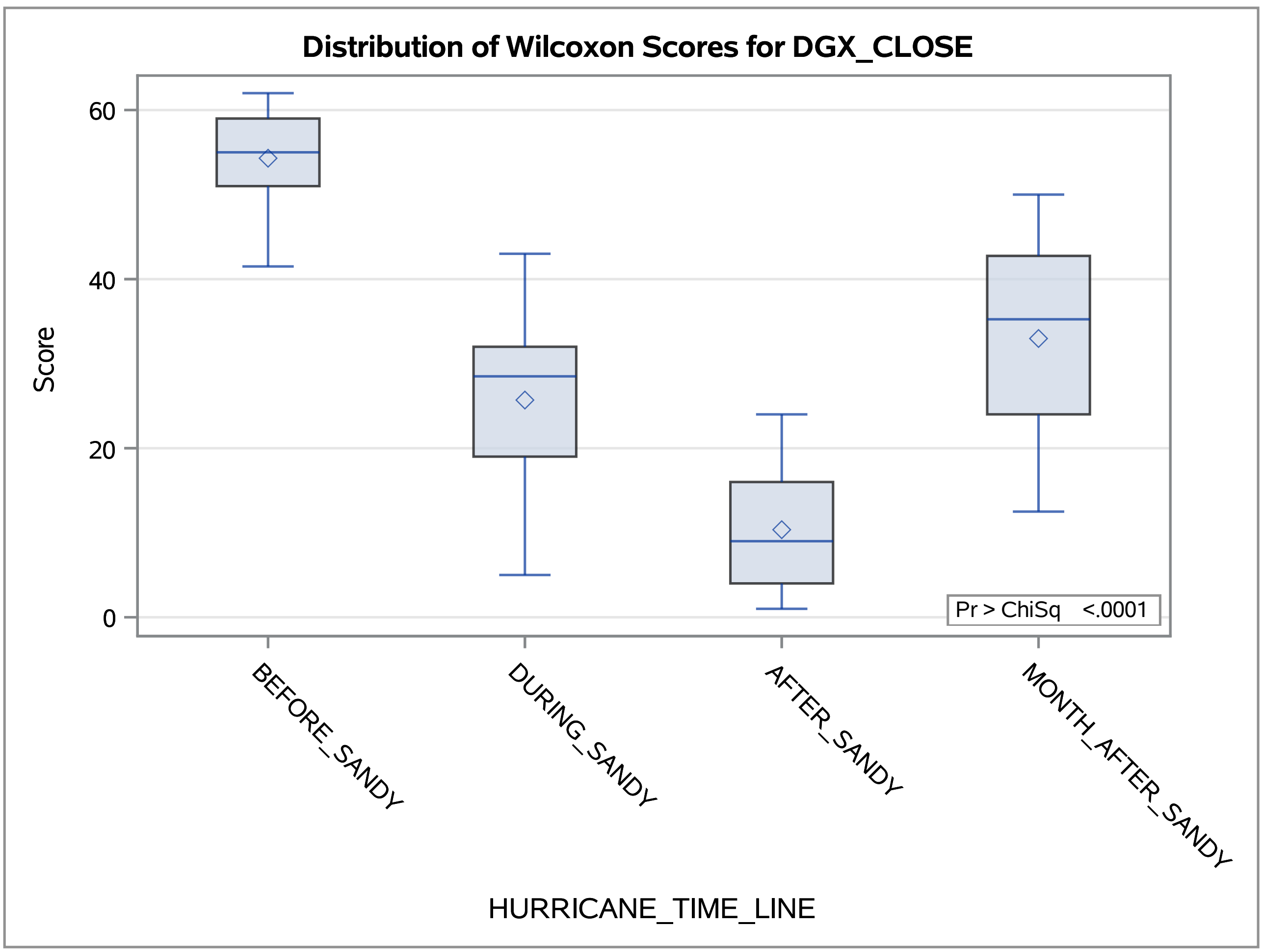
The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	814.50	472.50	60.834069	54.300000
DURING_SANDY	13	334.00	409.50	57.825850	25.692308
AFTER_SANDY	14	145.00	441.00	59.393230	10.357143
MONTH_AFTER_SANDY	20	659.50	630.00	66.403650	32.975000

Average scores were used for ties.

Kruskal-Wallis Test	
Chi-Square	44.6688
DF	3
Pr > Chi-Square	<.0001

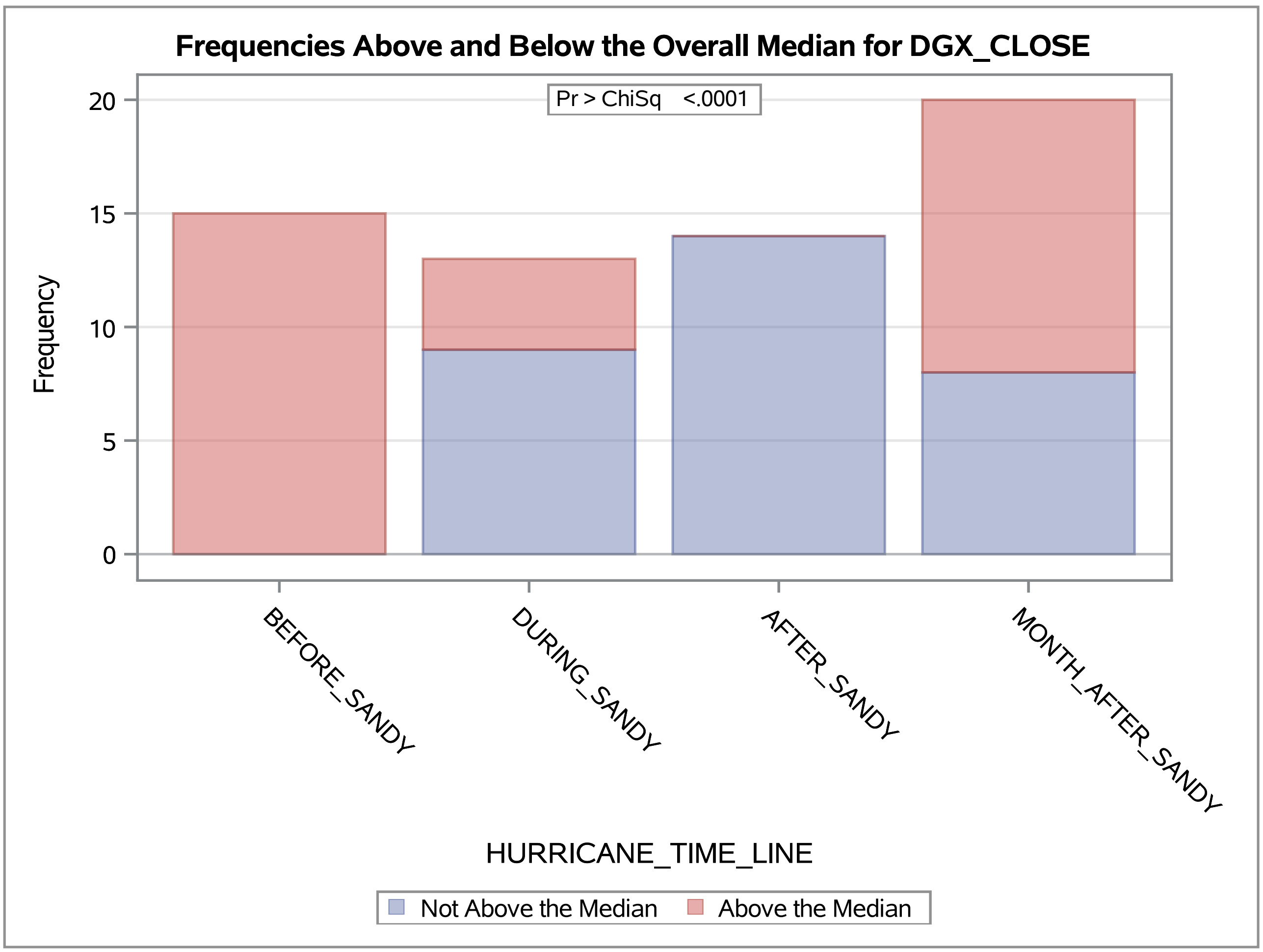


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	4.0	6.50	1.615752	0.307692
AFTER_SANDY	14	0.0	7.00	1.659548	0.000000
MONTH_AFTER_SANDY	20	12.0	10.00	1.855431	0.600000
Average scores were used for ties.					

Median One-Way Analysis	
Chi-Square	31.2114
DF	3
Pr > Chi-Square	<.0001

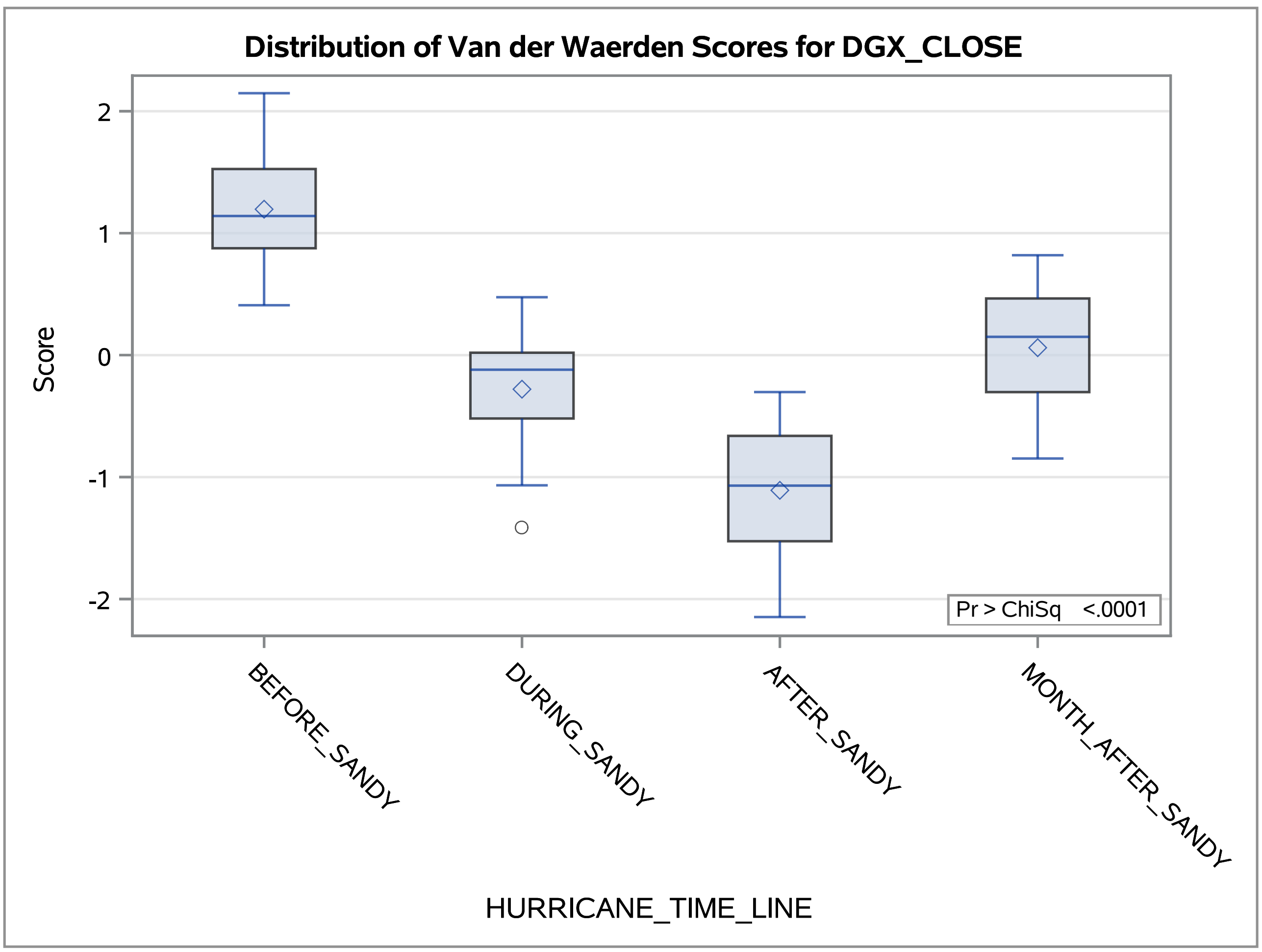


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	**N**	**Sum of Scores**	**Expected Under H0**	**Std Dev Under H0**	**Mean Score**
BEFORE_SANDY	15	17.944382	0.0	3.205620	1.196292
DURING_SANDY	13	-3.633475	0.0	3.047104	-0.279498
AFTER_SANDY	14	-15.522453	0.0	3.129696	-1.108747
MONTH_AFTER_SANDY	20	1.211547	0.0	3.499106	0.060577
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	44.0034
DF	3
Pr > Chi-Square	<.0001

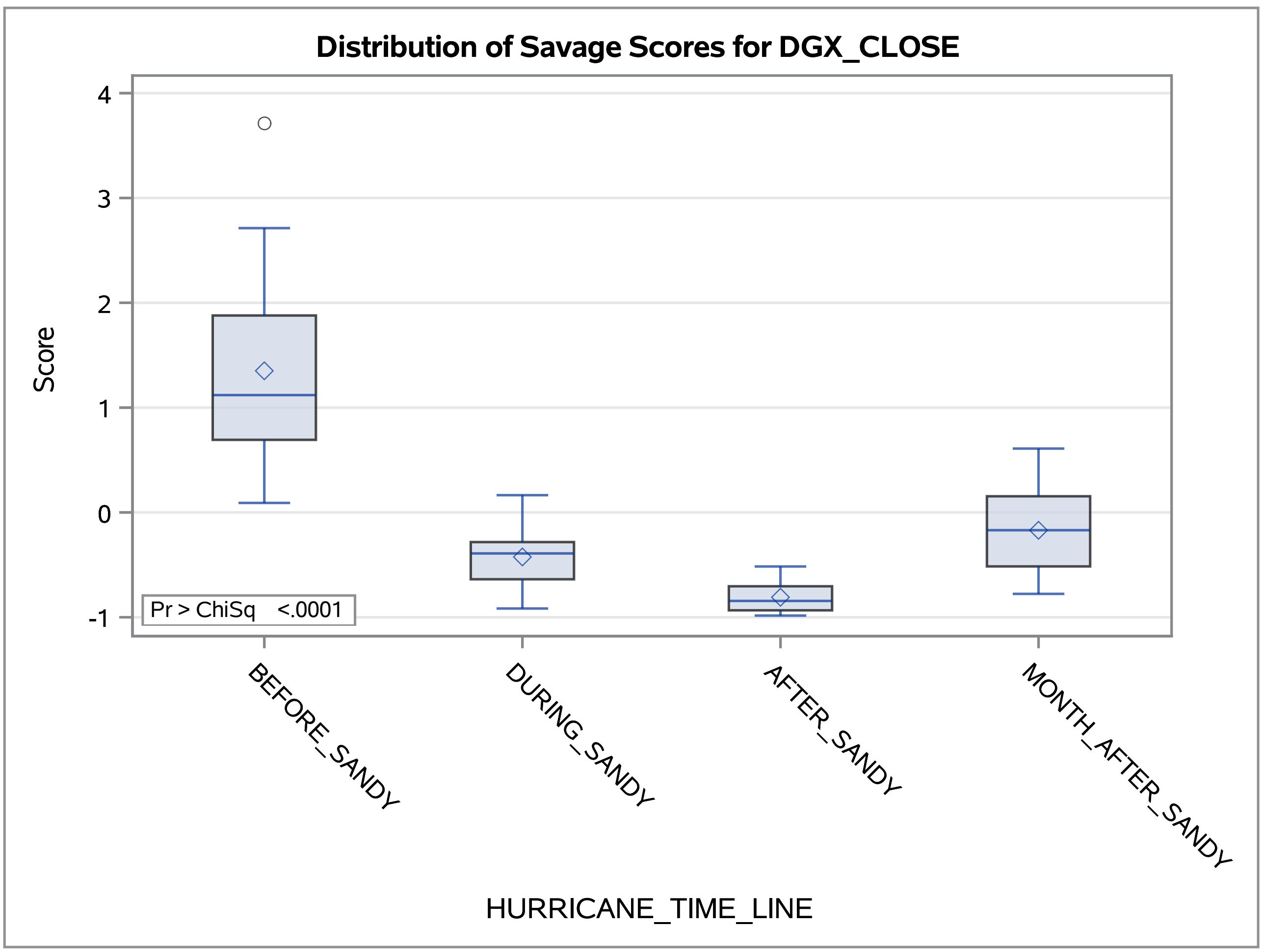


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	20.264953	0.0	3.267654	1.350997
DURING_SANDY	13	-5.521645	0.0	3.106070	-0.424742
AFTER_SANDY	14	-11.331483	0.0	3.190261	-0.809392
MONTH_AFTER_SANDY	20	-3.411825	0.0	3.566820	-0.170591
Average scores were used for ties.					

Savage One-Way Analysis	
Chi-Square	42.0404
DF	3
Pr > Chi-Square	<.0001

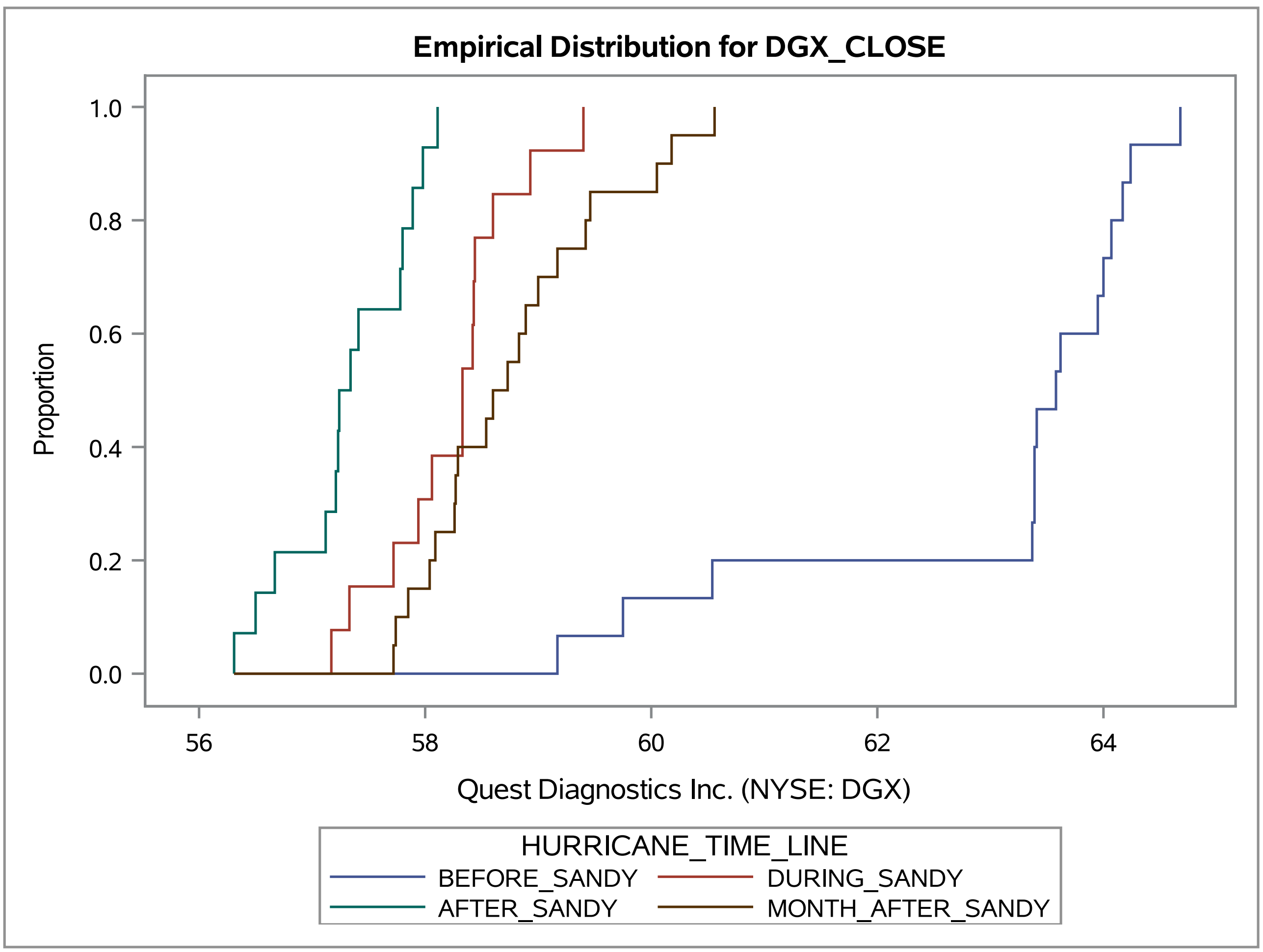


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.000000	-2.498699
DURING_SANDY	13	0.923077	1.002039
AFTER_SANDY	14	1.000000	1.327685
MONTH_AFTER_SANDY	20	0.700000	0.245246
Total	62	0.645161	
Maximum Deviation Occurred at Observation 58			
Value of DGX_CLOSE at Maximum = 59.0			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.382489	**KSa**	3.011722



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable DGX_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	2.641289
DURING_SANDY	13	0.310065
AFTER_SANDY	14	2.064361
MONTH_AFTER_SANDY	20	0.250509

Cramer-von Mises Statistics (Asymptotic)

CM	0.084939	CMa	5.266224

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

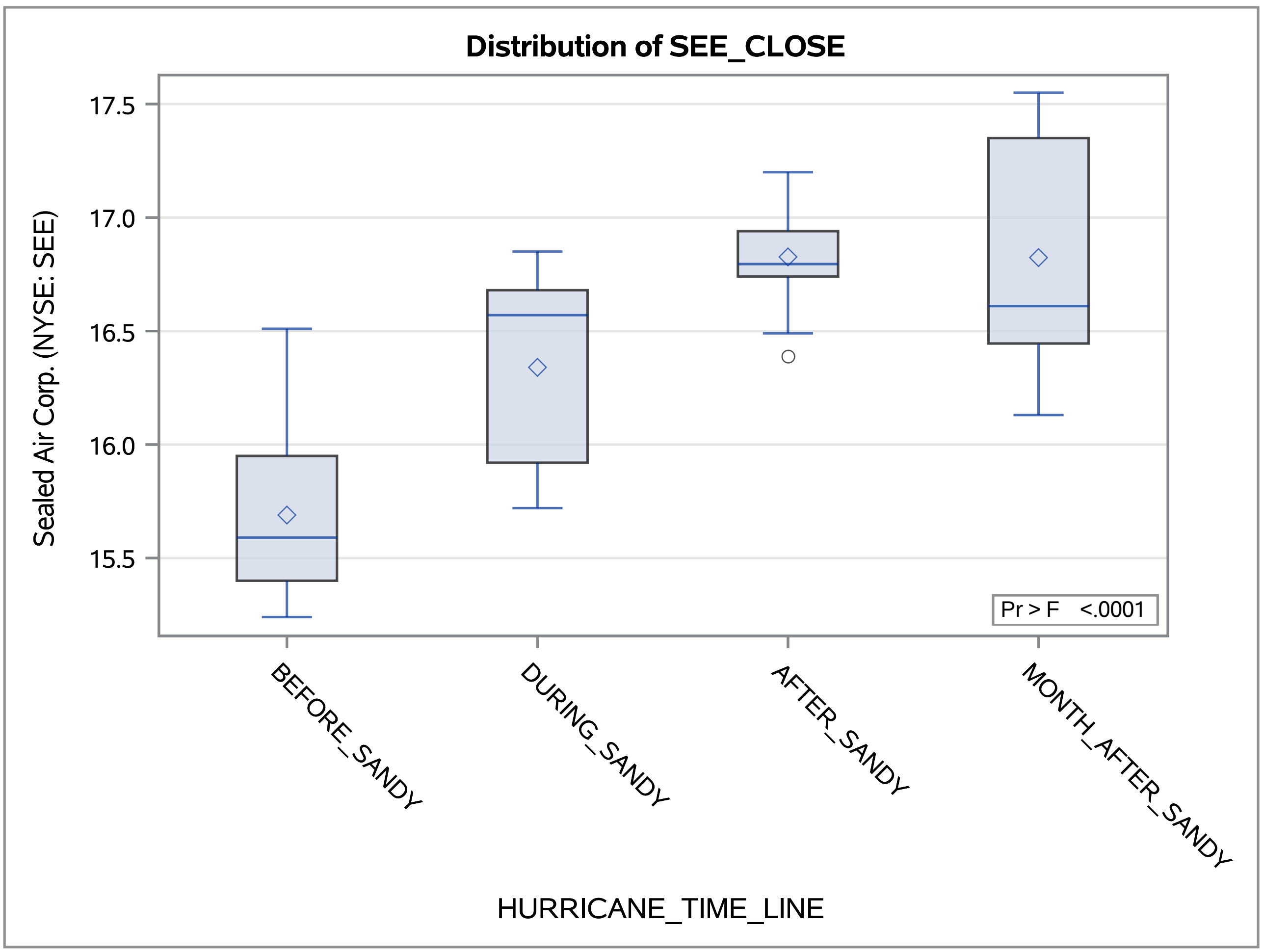
The NPAR1WAY Procedure

Analysis of Variance for Variable SEE_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Mean
BEFORE_SANDY	15	15.689333
DURING_SANDY	13	16.340000
AFTER_SANDY	14	16.826429
MONTH_AFTER_SANDY	20	16.823500

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	13.610169	4.536723	28.5636	<.0001
Within	58	9.212070	0.158829		

Average scores were used for ties.



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

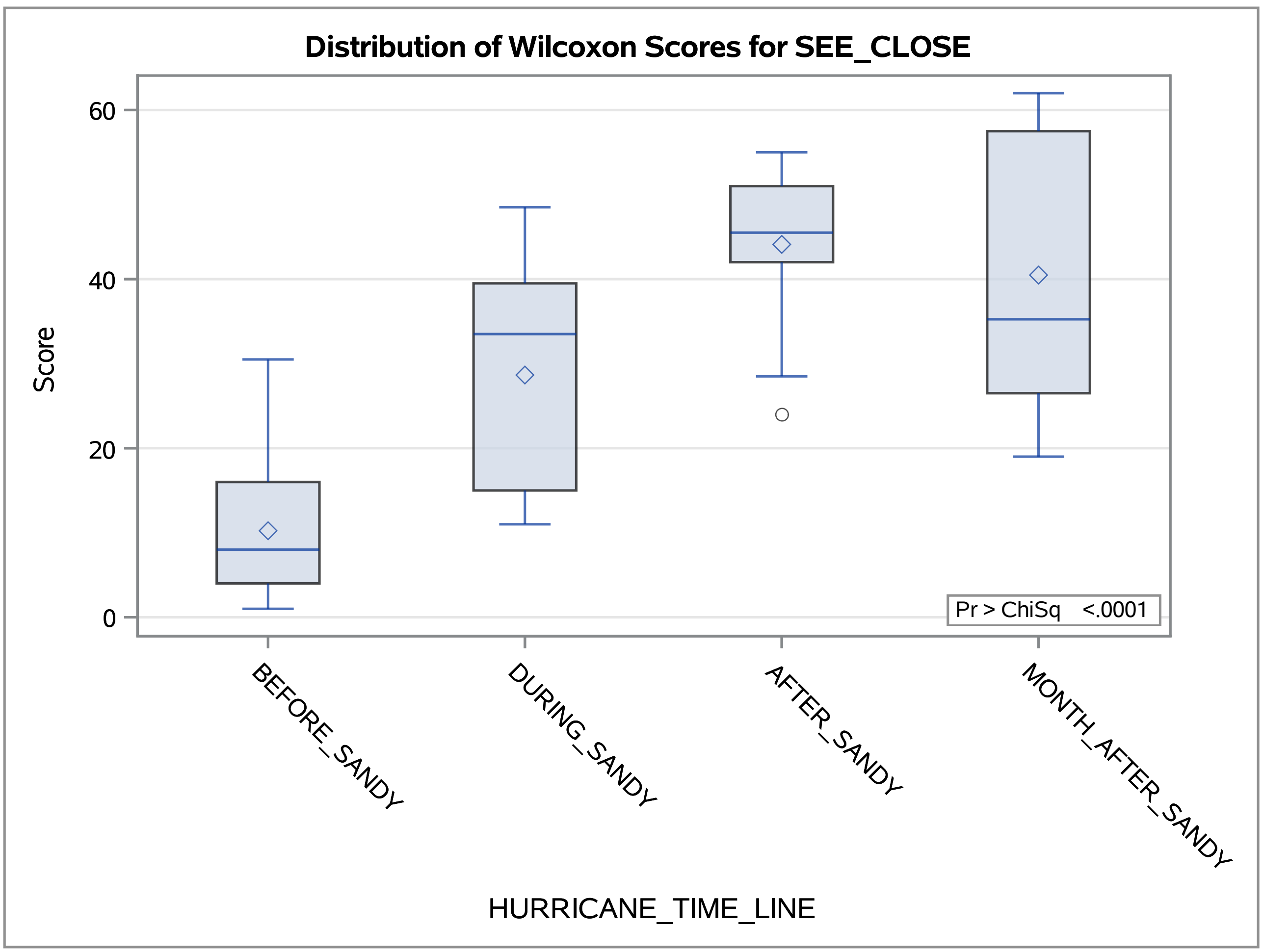
The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable SEE_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	153.50	472.50	60.832537	10.233333
DURING_SANDY	13	372.50	409.50	57.824394	28.653846
AFTER_SANDY	14	617.50	441.00	59.391734	44.107143
MONTH_AFTER_SANDY	20	809.50	630.00	66.401978	40.475000

Average scores were used for ties.

Kruskal-Wallis Test	
Chi-Square	32.9568
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

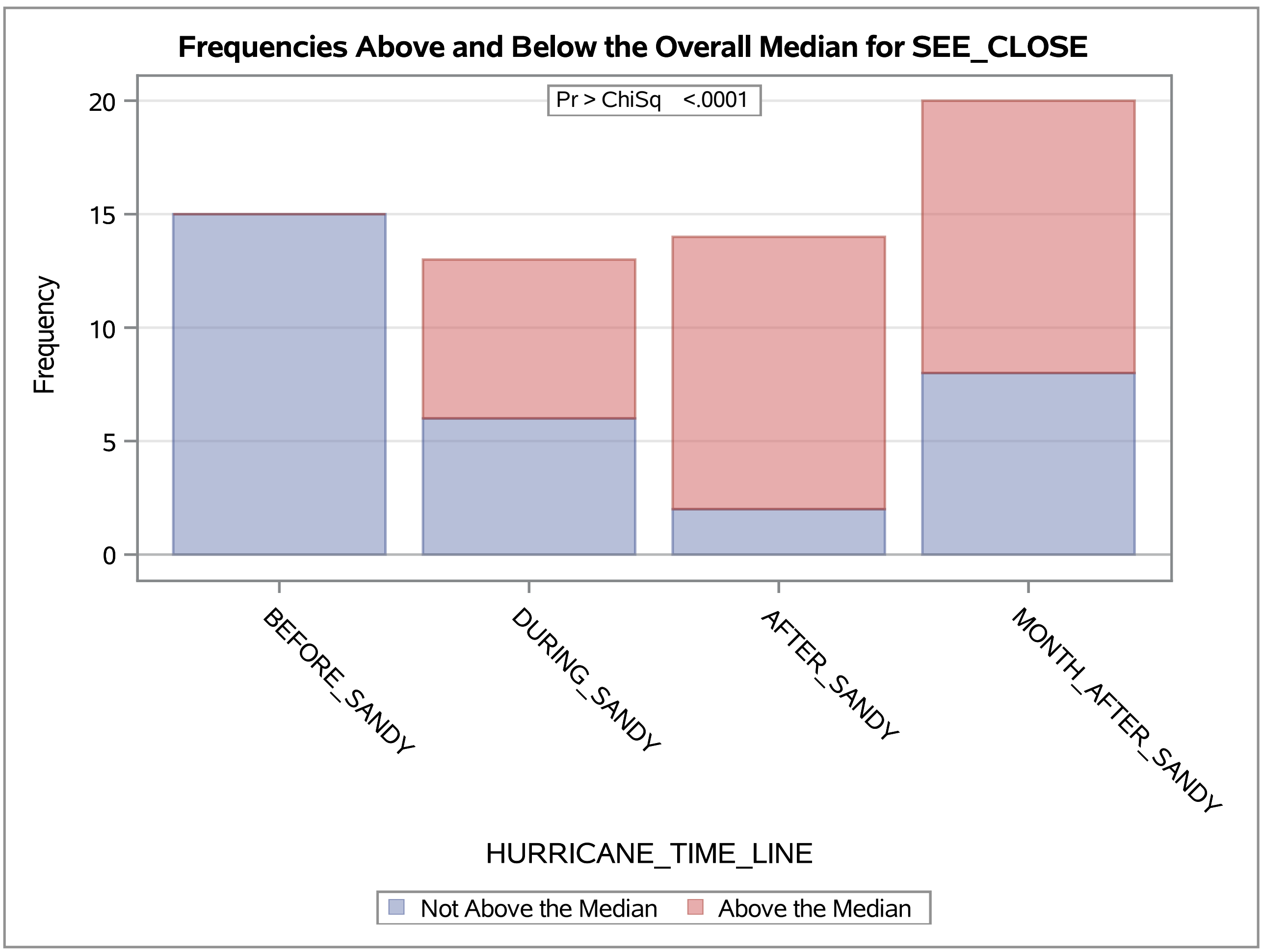
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable SEE_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	0.0	7.50	1.699807	0.000000
DURING_SANDY	13	7.0	6.50	1.615752	0.538462
AFTER_SANDY	14	12.0	7.00	1.659548	0.857143
MONTH_AFTER_SANDY	20	12.0	10.00	1.855431	0.600000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	22.6485
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

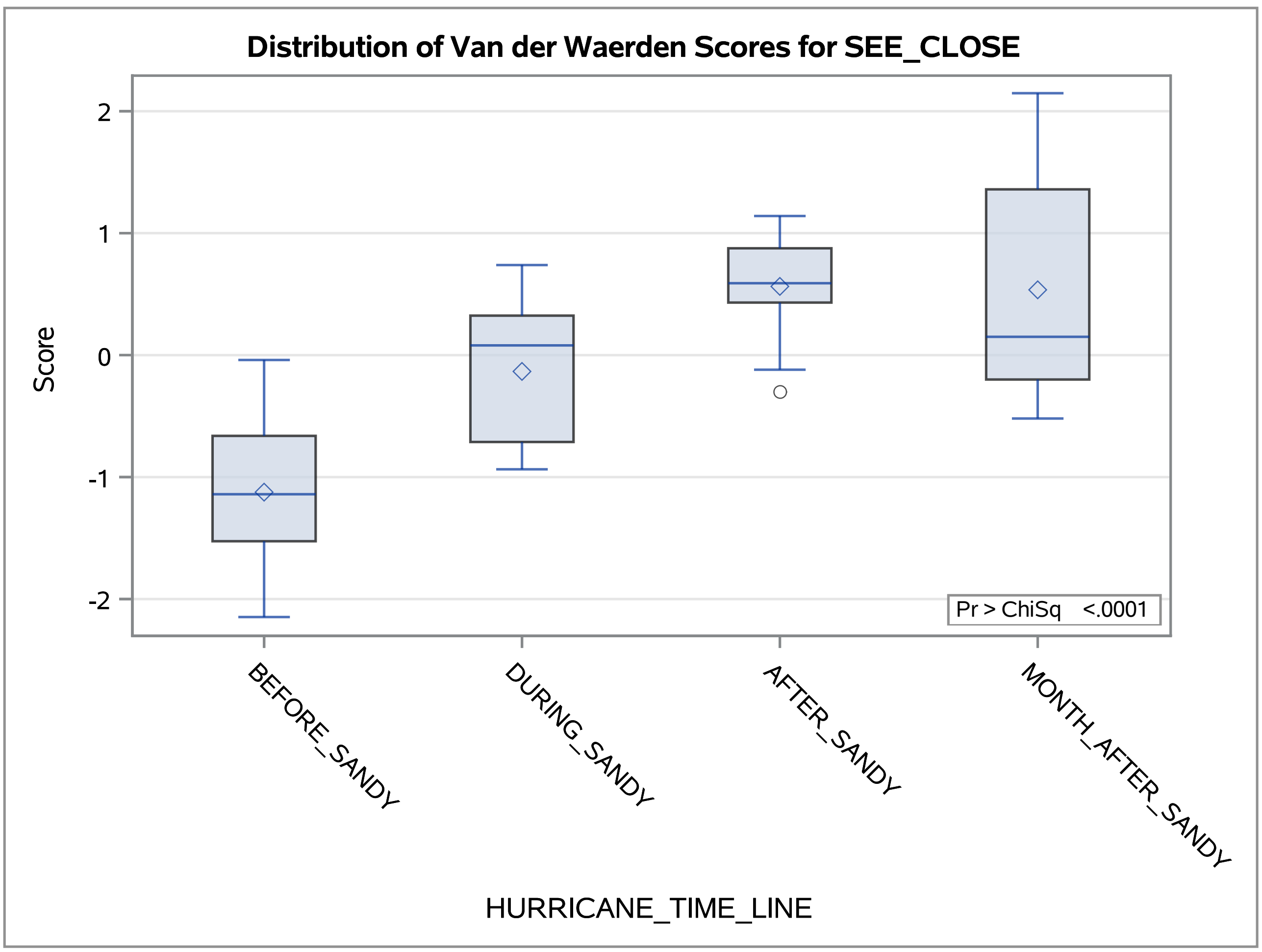
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable SEE_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-16.855601	0.0	3.205009	-1.123707
DURING_SANDY	13	-1.738323	0.0	3.046523	-0.133717
AFTER_SANDY	14	7.887056	0.0	3.129099	0.563361
MONTH_AFTER_SANDY	20	10.706868	0.0	3.498439	0.535343

Average scores were used for ties.

Van der Waerden One-Way Analysis	
Chi-Square	32.4879
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

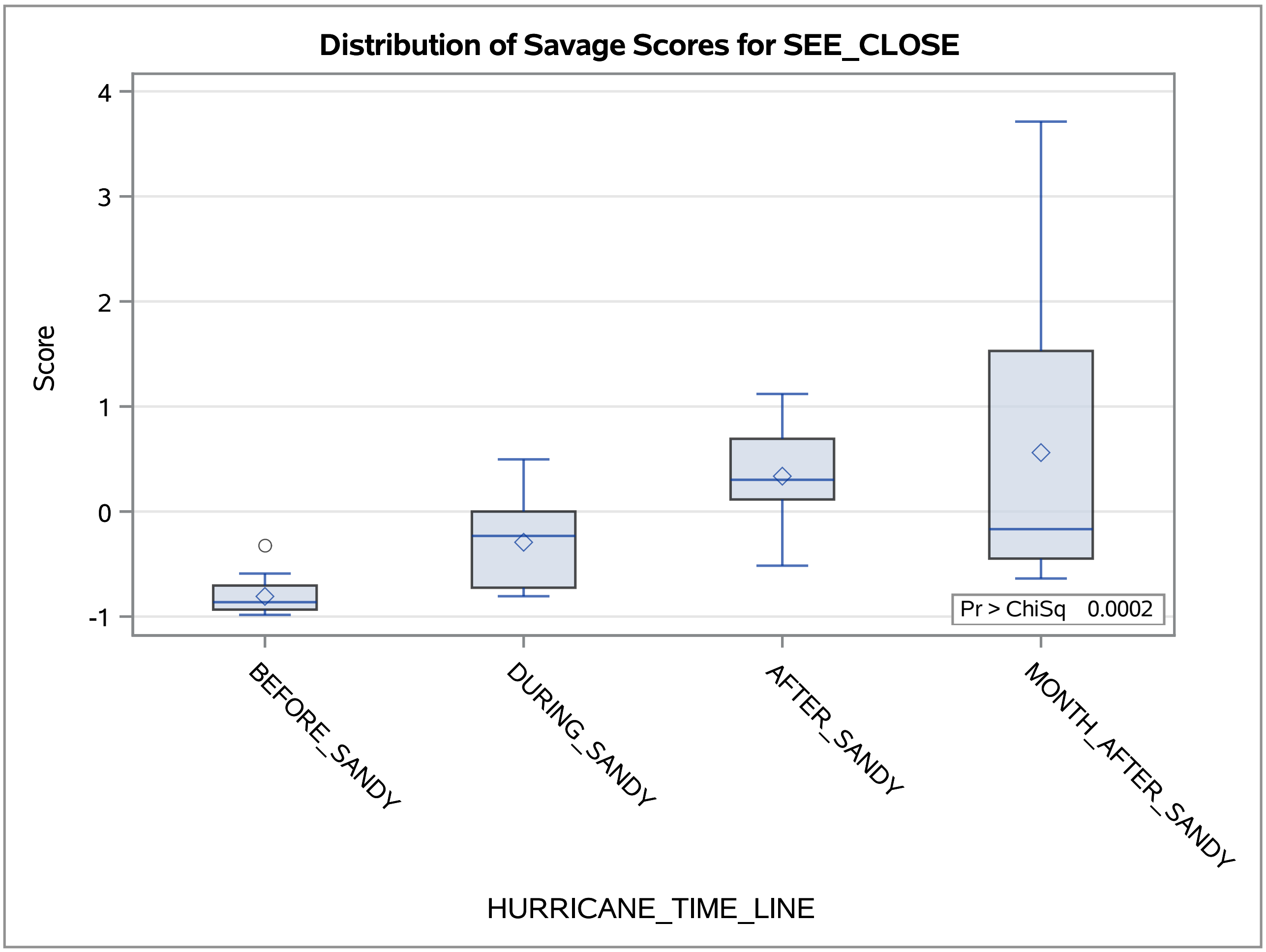
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable SEE_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-12.120416	0.0	3.267148	-0.808028
DURING_SANDY	13	-3.805140	0.0	3.105589	-0.292703
AFTER_SANDY	14	4.708769	0.0	3.189766	0.336341
MONTH_AFTER_SANDY	20	11.216787	0.0	3.566267	0.560839

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	20.0079
DF	3
Pr > Chi-Square	0.0002



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

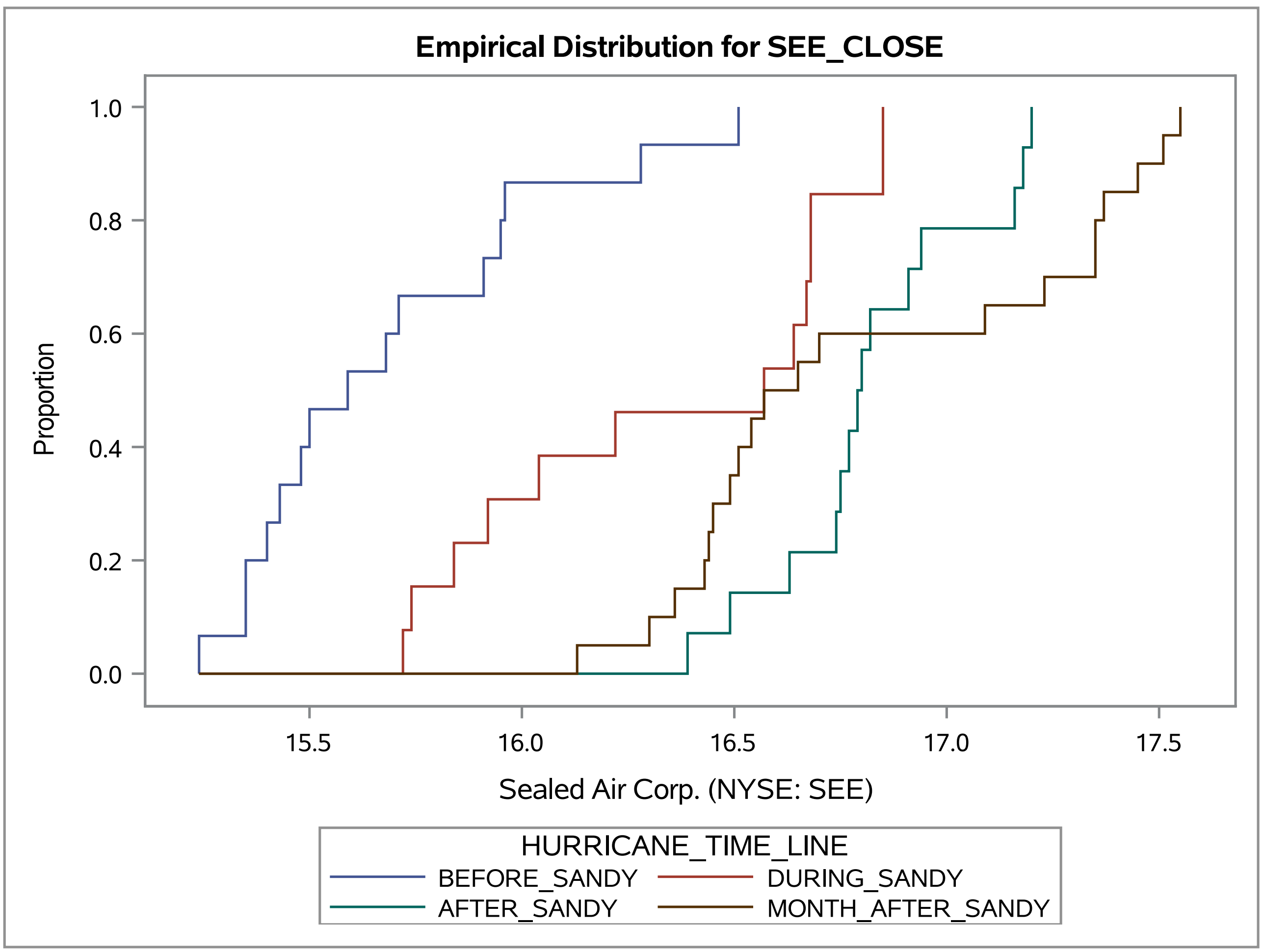
The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable SEE_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	0.933333	2.302968
DURING_SANDY	13	0.461538	0.442865
AFTER_SANDY	14	0.000000	-1.267336
MONTH_AFTER_SANDY	20	0.050000	-1.291149
Total	62	0.338710	
Maximum Deviation Occurred at Observation 13			
Value of SEE_CLOSE at Maximum = 16.280			

Kolmogorov-Smirnov Statistics (Asymptotic)

KS	0.376165	KSa	2.961924



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable SEE_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	2.227542
DURING_SANDY	13	0.144633
AFTER_SANDY	14	0.946049
MONTH_AFTER_SANDY	20	0.534251

Cramer-von Mises Statistics (Asymptotic)

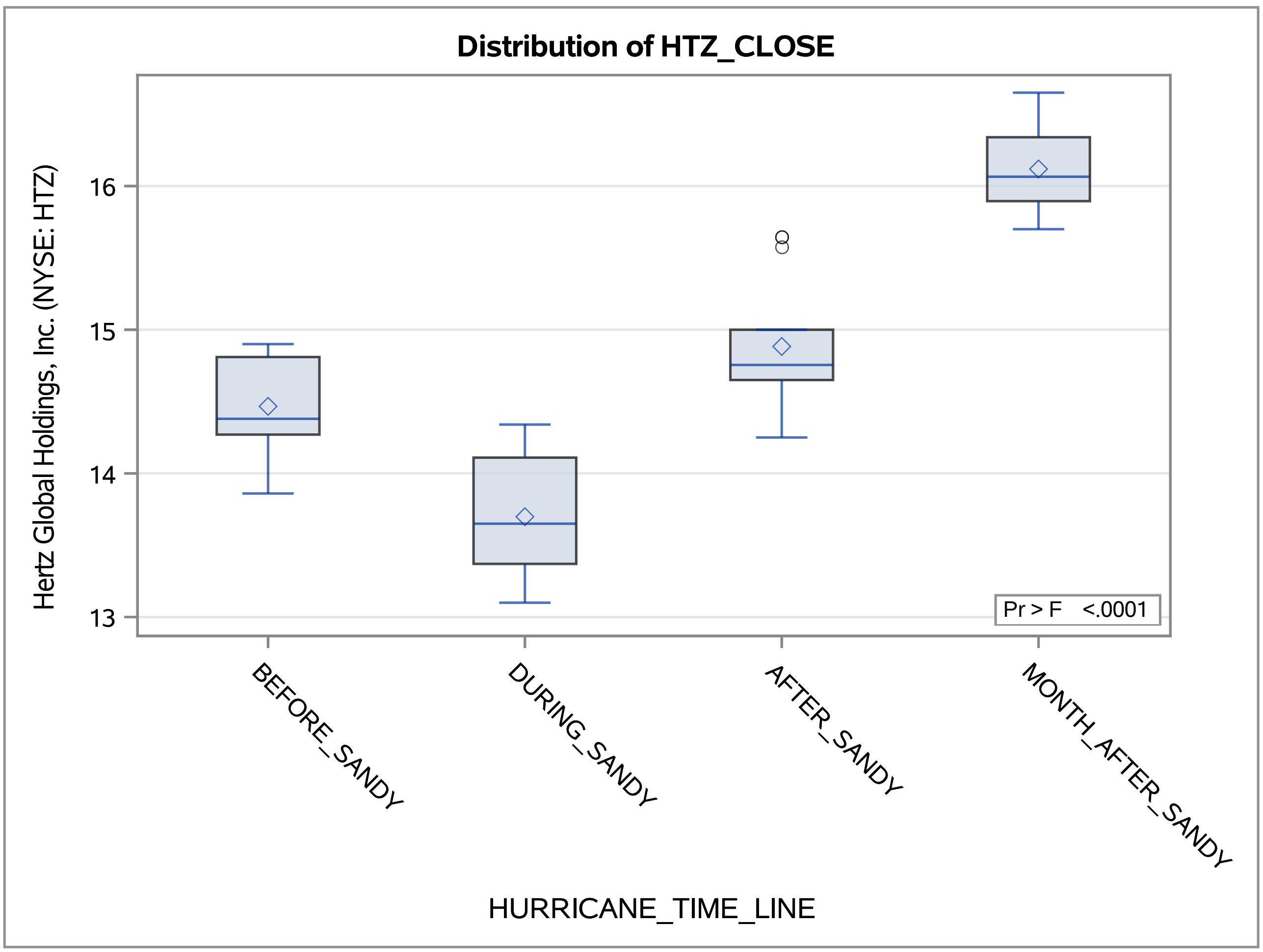
CM	0.062137	CMa	3.852475

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable HTZ_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	14.466667
DURING_SANDY	13	13.698462
AFTER_SANDY	14	14.883571
MONTH_AFTER_SANDY	20	16.119000

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	51.241230	17.080410	124.8253	<.0001
Within	58	7.936404	0.136835		
Average scores were used for ties.					

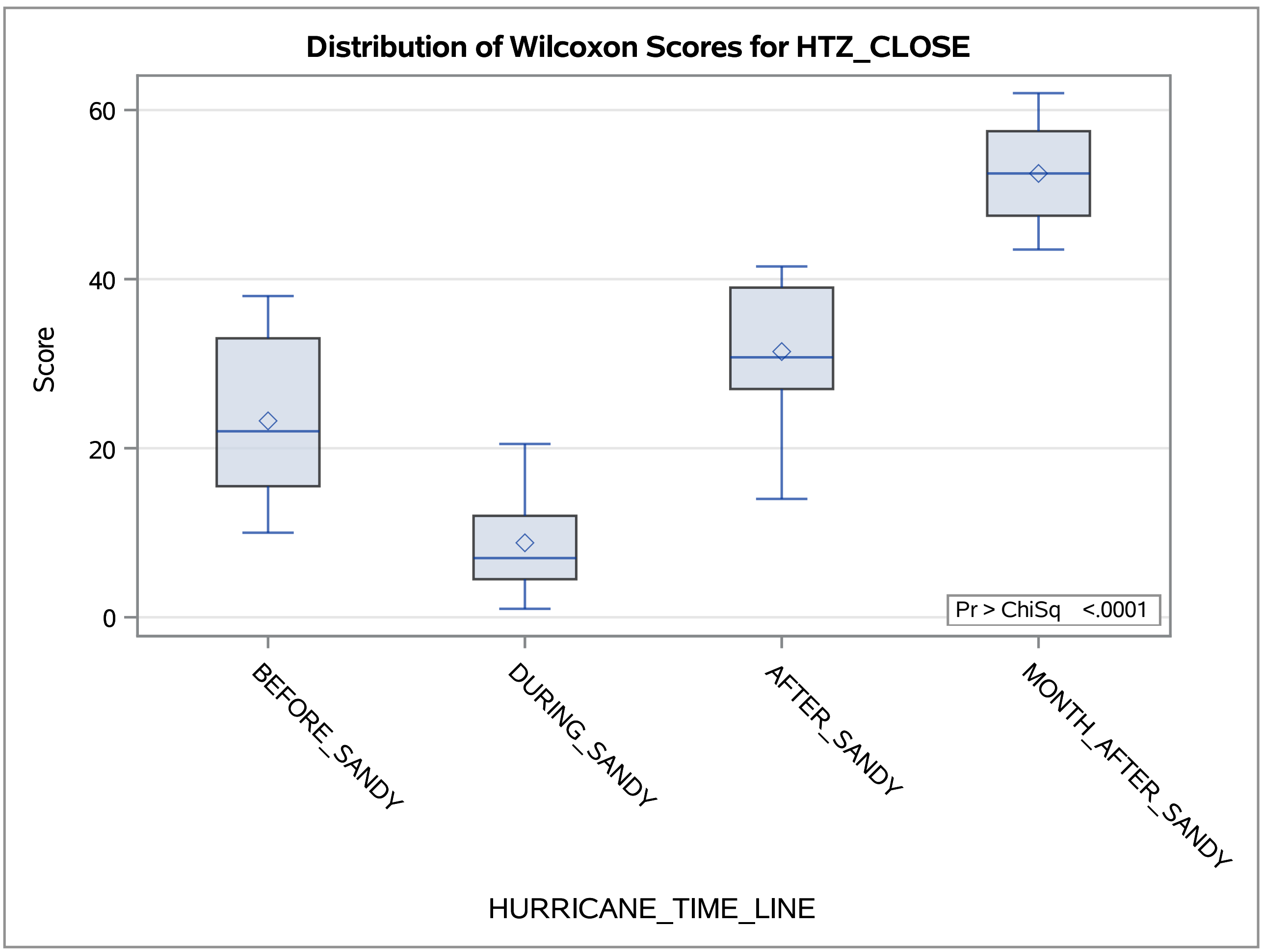


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable HTZ_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	348.50	472.50	60.833303	23.233333
DURING_SANDY	13	114.50	409.50	57.825122	8.807692
AFTER_SANDY	14	440.00	441.00	59.392482	31.428571
MONTH_AFTER_SANDY	20	1050.00	630.00	66.402814	52.500000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	50.8199
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

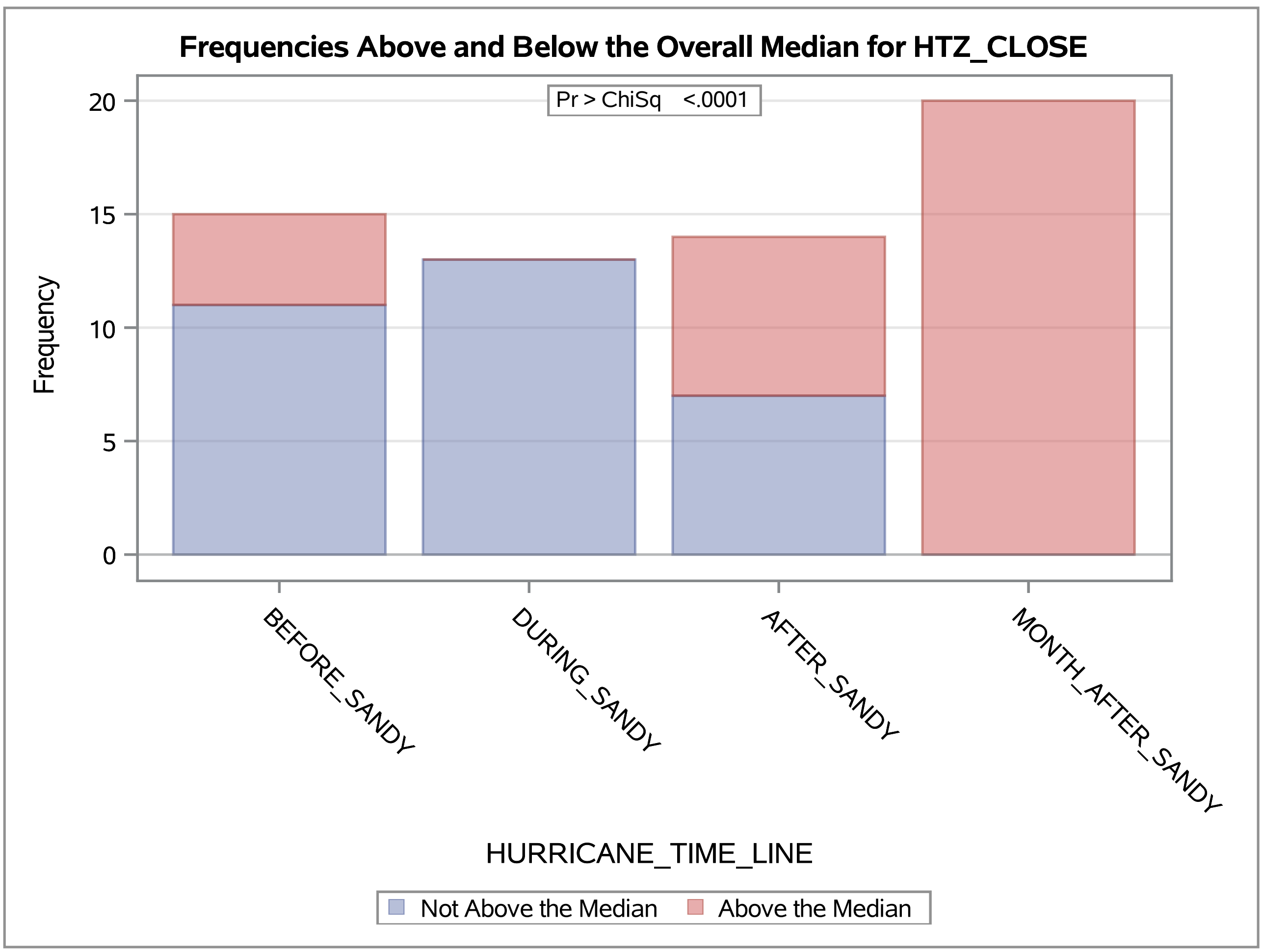
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable HTZ_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	4.0	7.50	1.699807	0.266667
DURING_SANDY	13	0.0	6.50	1.615752	0.000000
AFTER_SANDY	14	7.0	7.00	1.659548	0.500000
MONTH_AFTER_SANDY	20	20.0	10.00	1.855431	1.000000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	35.6817
DF	3
Pr > Chi-Square	<.0001

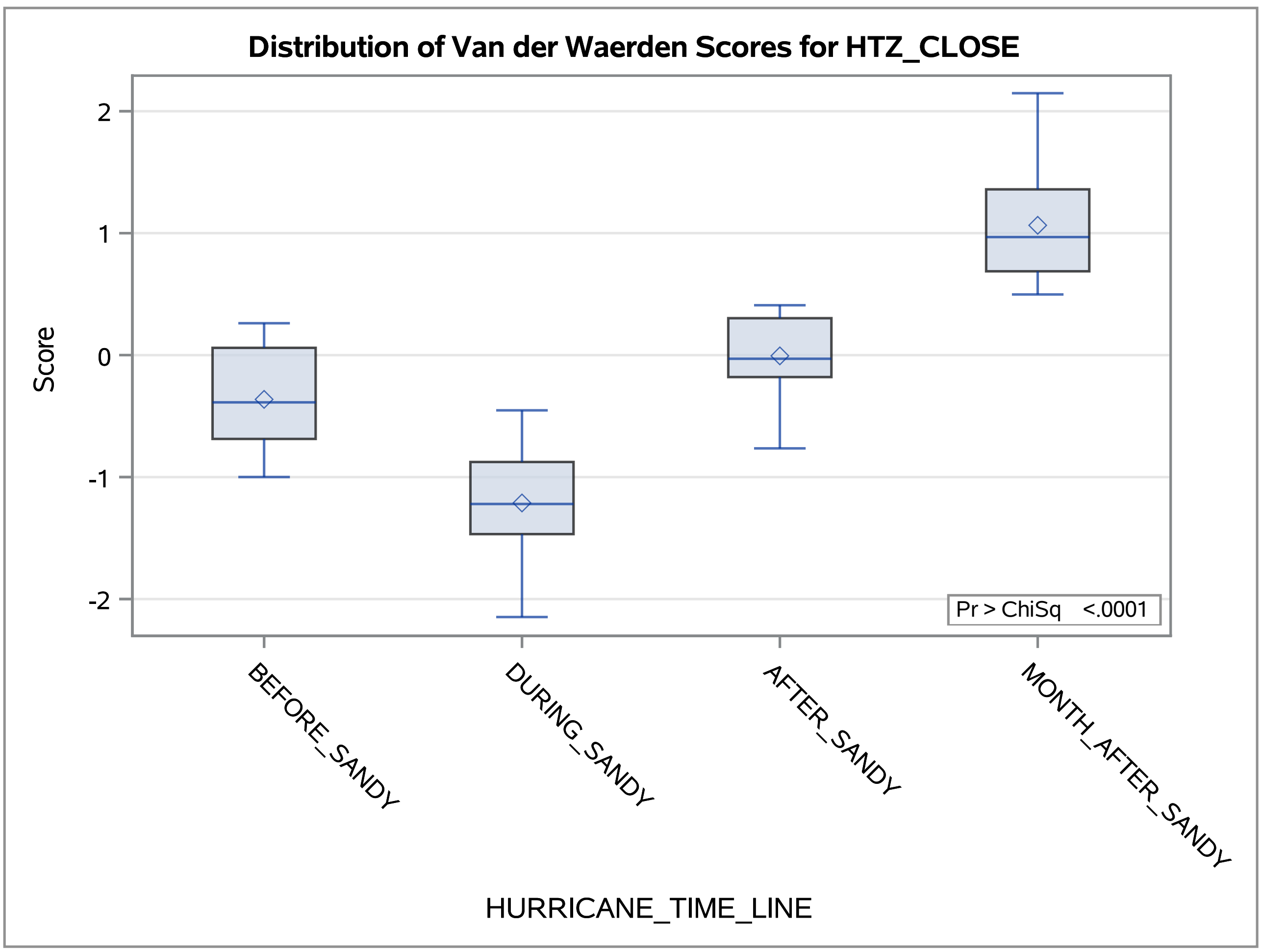


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable HTZ_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-5.444063	0.0	3.205457	-0.362938
DURING_SANDY	13	-15.760022	0.0	3.046948	-1.212309
AFTER_SANDY	14	-0.085454	0.0	3.129536	-0.006104
MONTH_AFTER_SANDY	20	21.289539	0.0	3.498928	1.064477
Average scores were used for ties.					

Van der Waerden One-Way Analysis	
Chi-Square	48.4108
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

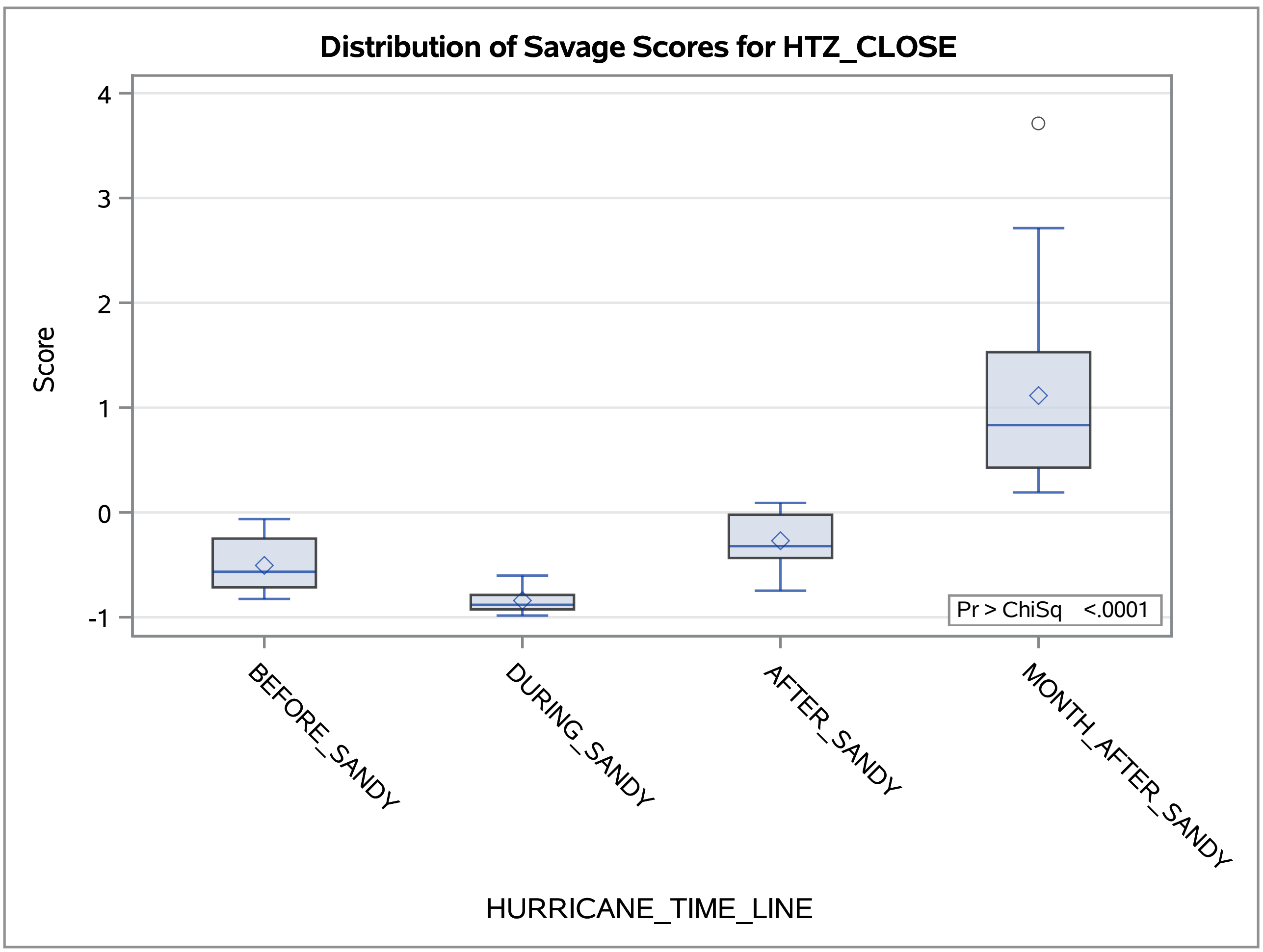
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable HTZ_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-7.580029	0.0	3.267762	-0.505335
DURING_SANDY	13	-10.927690	0.0	3.106172	-0.840592
AFTER_SANDY	14	-3.785346	0.0	3.190365	-0.270382
MONTH_AFTER_SANDY	20	22.293065	0.0	3.566937	1.114653

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	41.4114
DF	3
Pr > Chi-Square	<.0001

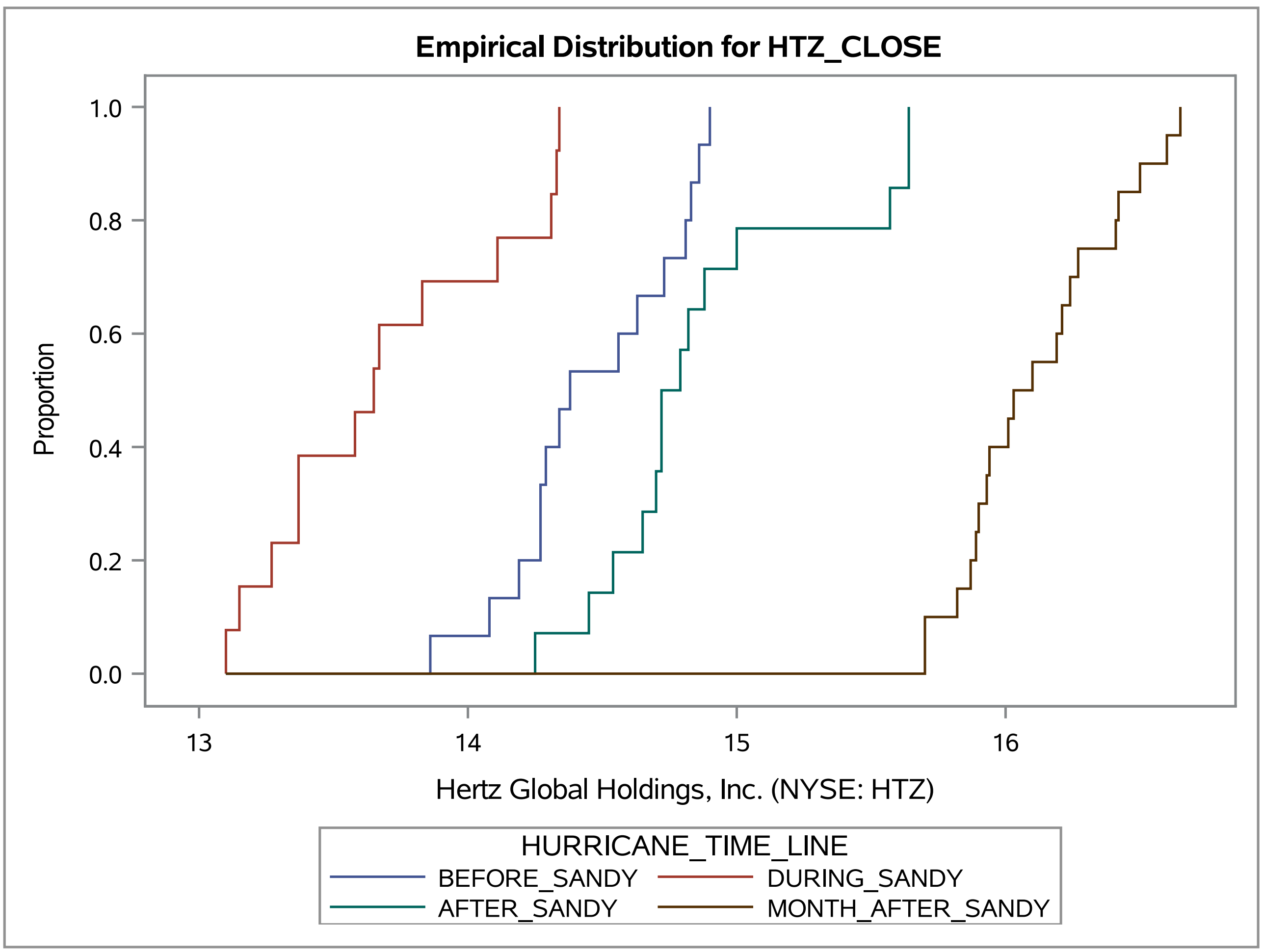


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable HTZ_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	N	EDF at Maximum	Deviation from Mean at Maximum
BEFORE_SANDY	15	1.000000	1.249349
DURING_SANDY	13	1.000000	1.163081
AFTER_SANDY	14	1.000000	1.206986
MONTH_AFTER_SANDY	20	0.000000	-3.029511
Total	62	0.677419	
Maximum Deviation Occurred at Observation 41			
Value of HTZ_CLOSE at Maximum = 15.640			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.467464	KSa	3.680813



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable HTZ_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.565756
DURING_SANDY	13	2.228318
AFTER_SANDY	14	0.412331
MONTH_AFTER_SANDY	20	3.066155

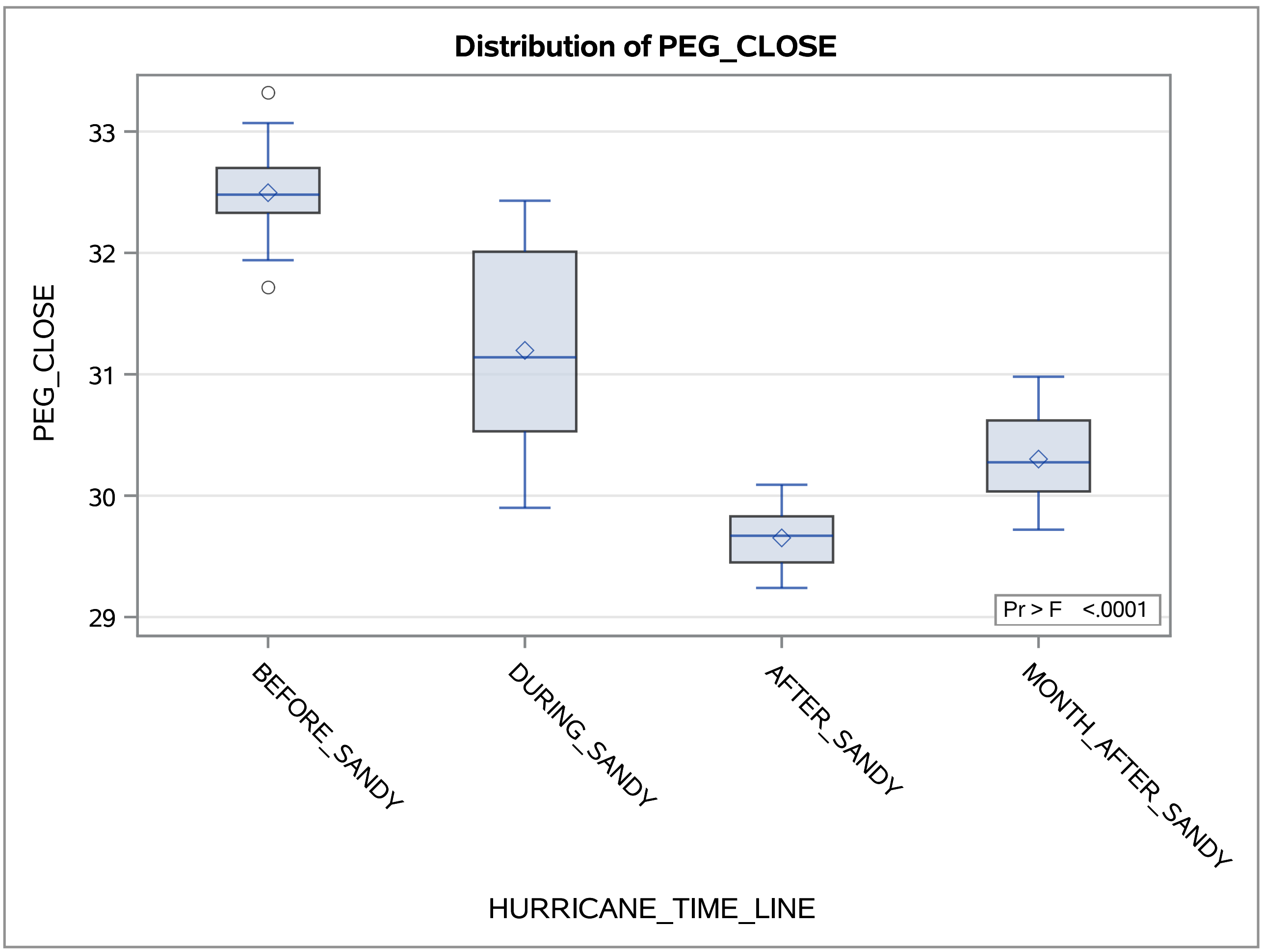
Cramer-von Mises Statistics (Asymptotic)			
CM	0.101170	CMa	6.272560

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable PEG_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	32.496000
DURING_SANDY	13	31.196923
AFTER_SANDY	14	29.652143
MONTH_AFTER_SANDY	20	30.301500

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	68.275092	22.758364	84.5335	<.0001
Within	58	15.614928	0.269223		
Average scores were used for ties.					

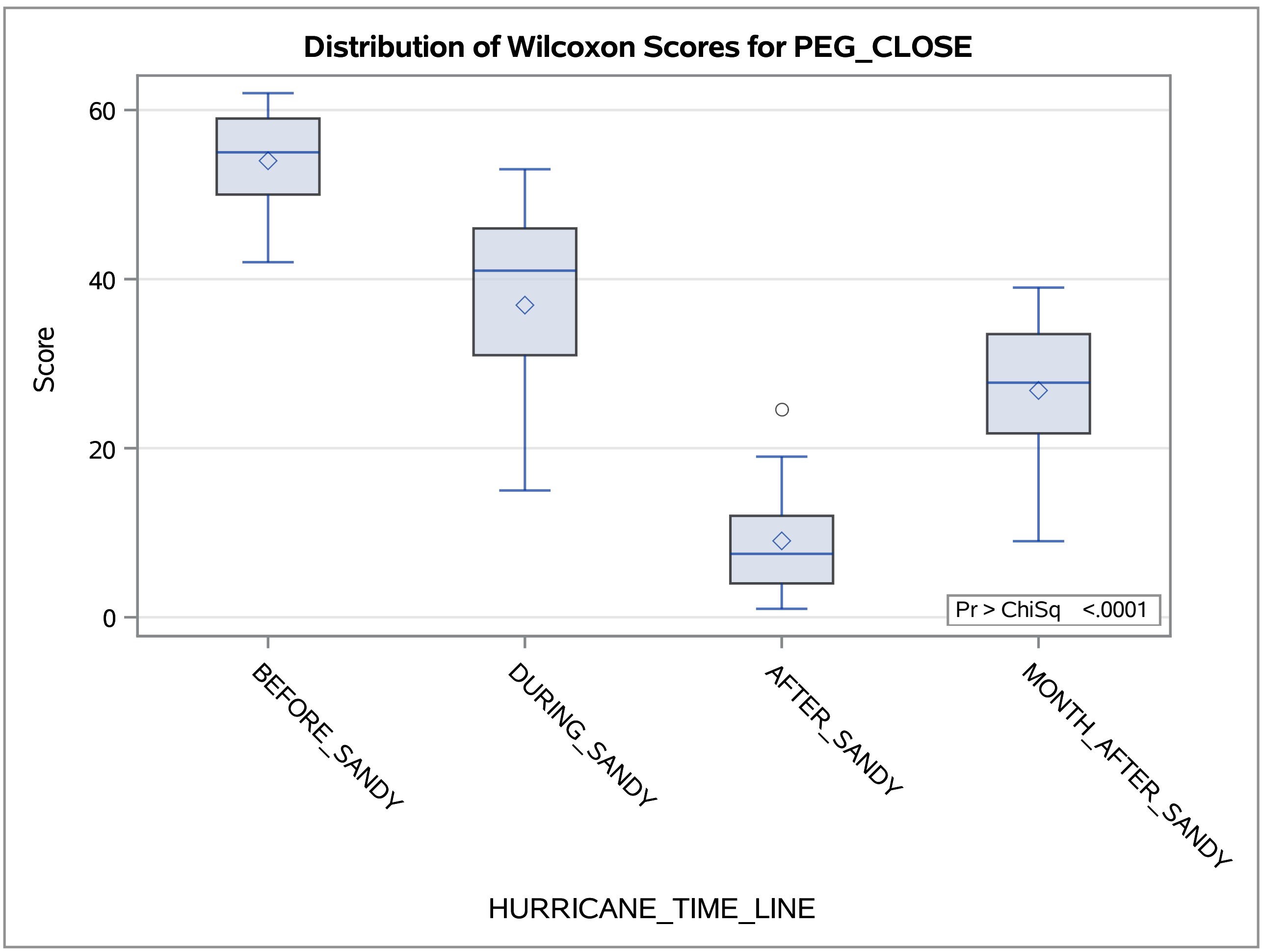


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable PEG_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	810.00	472.50	60.831005	54.000000
DURING_SANDY	13	480.00	409.50	57.822937	36.923077
AFTER_SANDY	14	126.50	441.00	59.390238	9.035714
MONTH_AFTER_SANDY	20	536.50	630.00	66.400305	26.825000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	47.5629
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

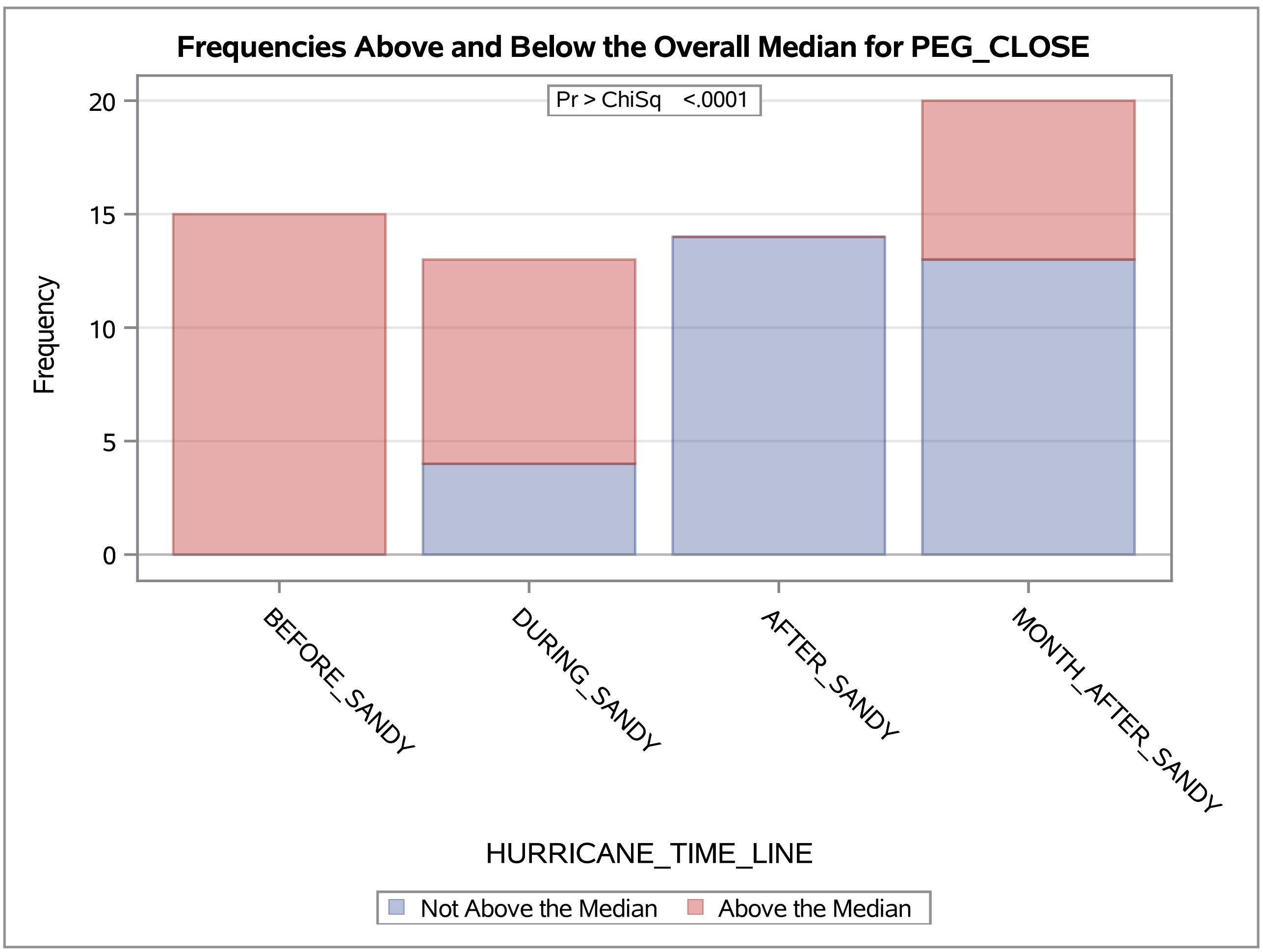
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable PEG_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	15.0	7.50	1.699807	1.000000
DURING_SANDY	13	9.0	6.50	1.615752	0.692308
AFTER_SANDY	14	0.0	7.00	1.659548	0.000000
MONTH_AFTER_SANDY	20	7.0	10.00	1.855431	0.350000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	32.1953
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

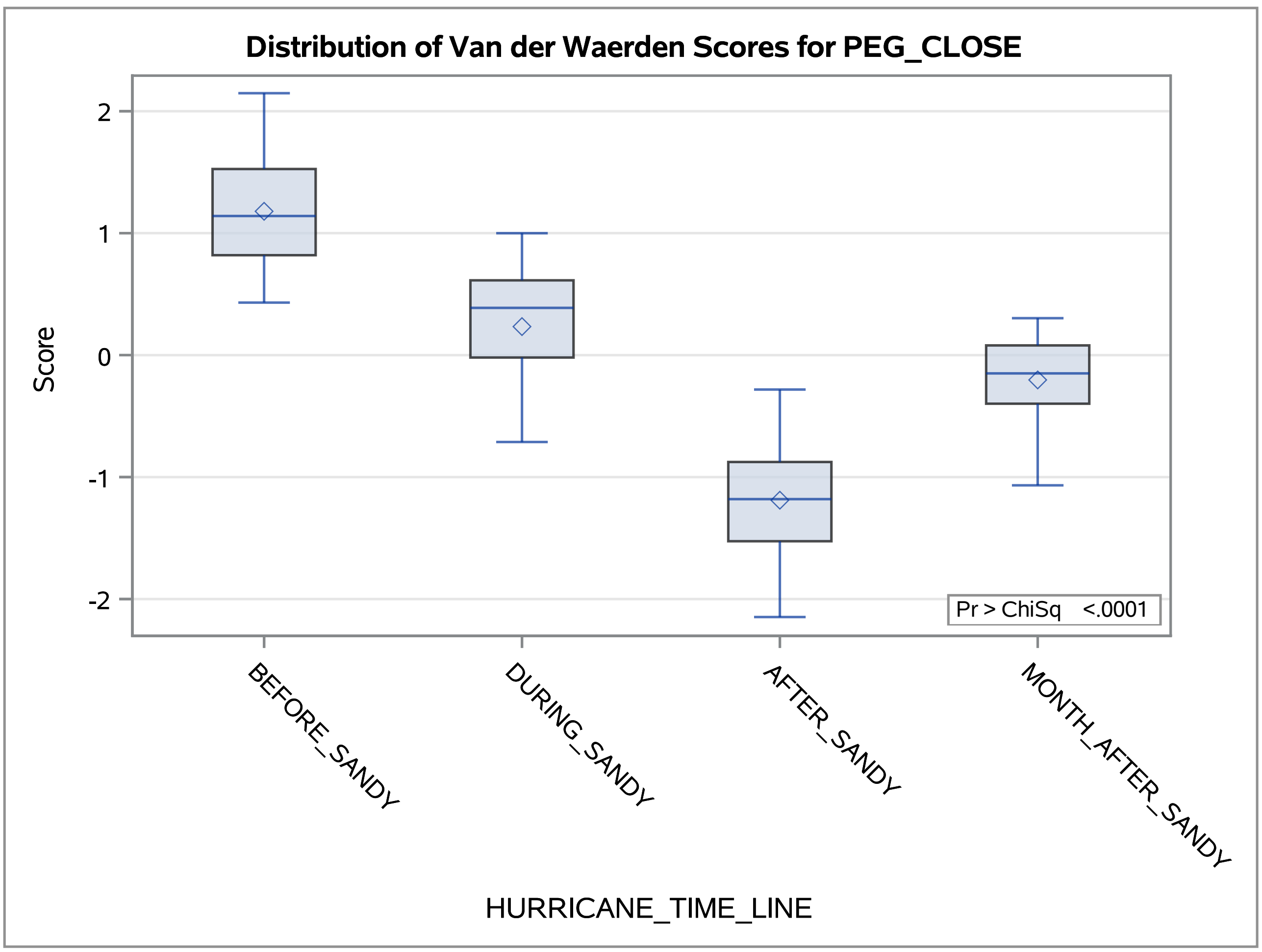
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable PEG_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	17.685866	0.0	3.205522	1.179058
DURING_SANDY	13	3.040657	0.0	3.047010	0.233897
AFTER_SANDY	14	-16.656900	0.0	3.129600	-1.189779
MONTH_AFTER_SANDY	20	-4.069624	0.0	3.498999	-0.203481

Average scores were used for ties.

Van der Waerden One-Way Analysis	
Chi-Square	46.7105
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

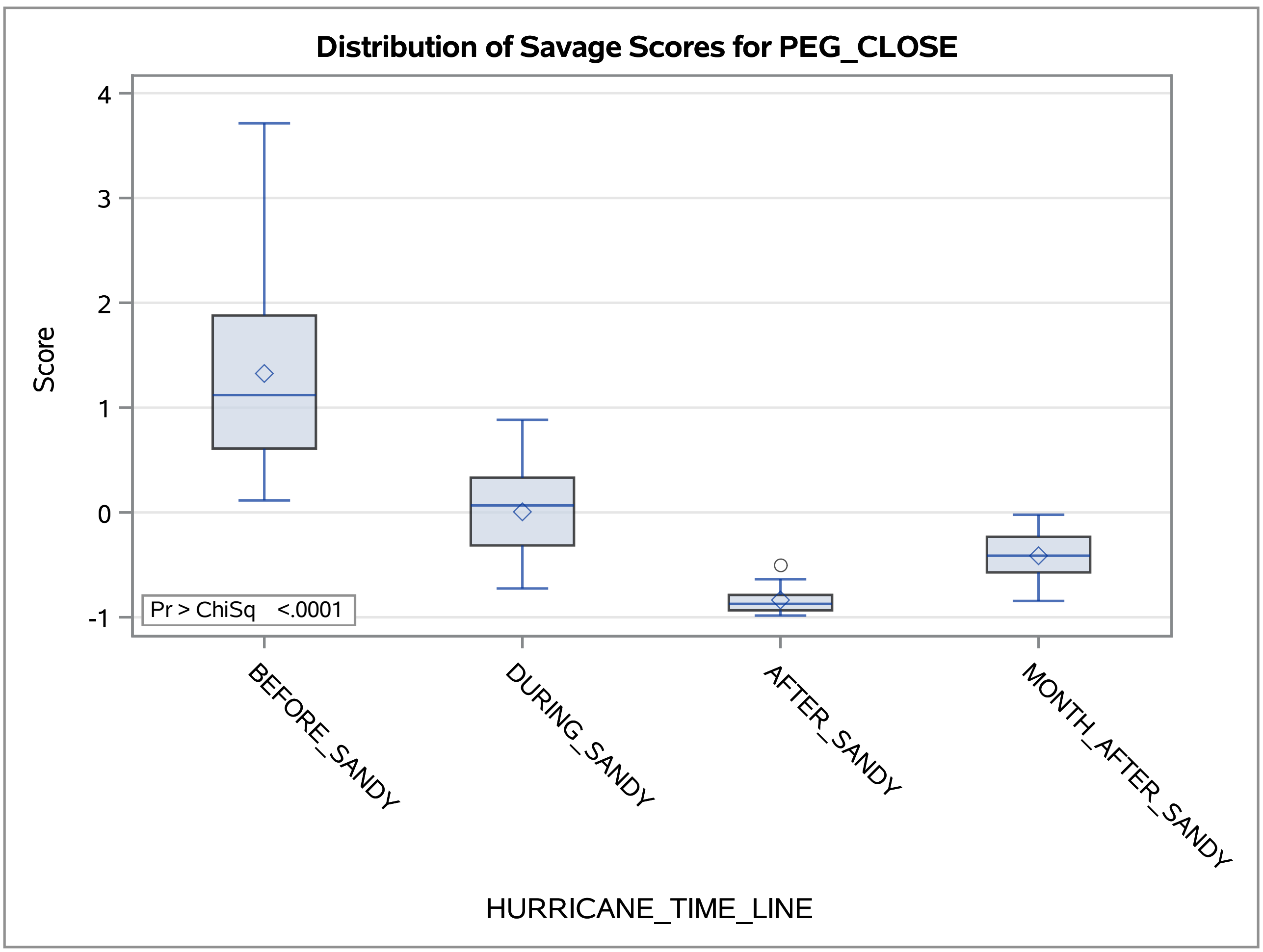
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable PEG_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	19.884268	0.0	3.267778	1.325618
DURING_SANDY	13	0.072592	0.0	3.106187	0.005584
AFTER_SANDY	14	-11.701044	0.0	3.190381	-0.835789
MONTH_AFTER_SANDY	20	-8.255816	0.0	3.566955	-0.412791

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	42.1119
DF	3
Pr > Chi-Square	<.0001

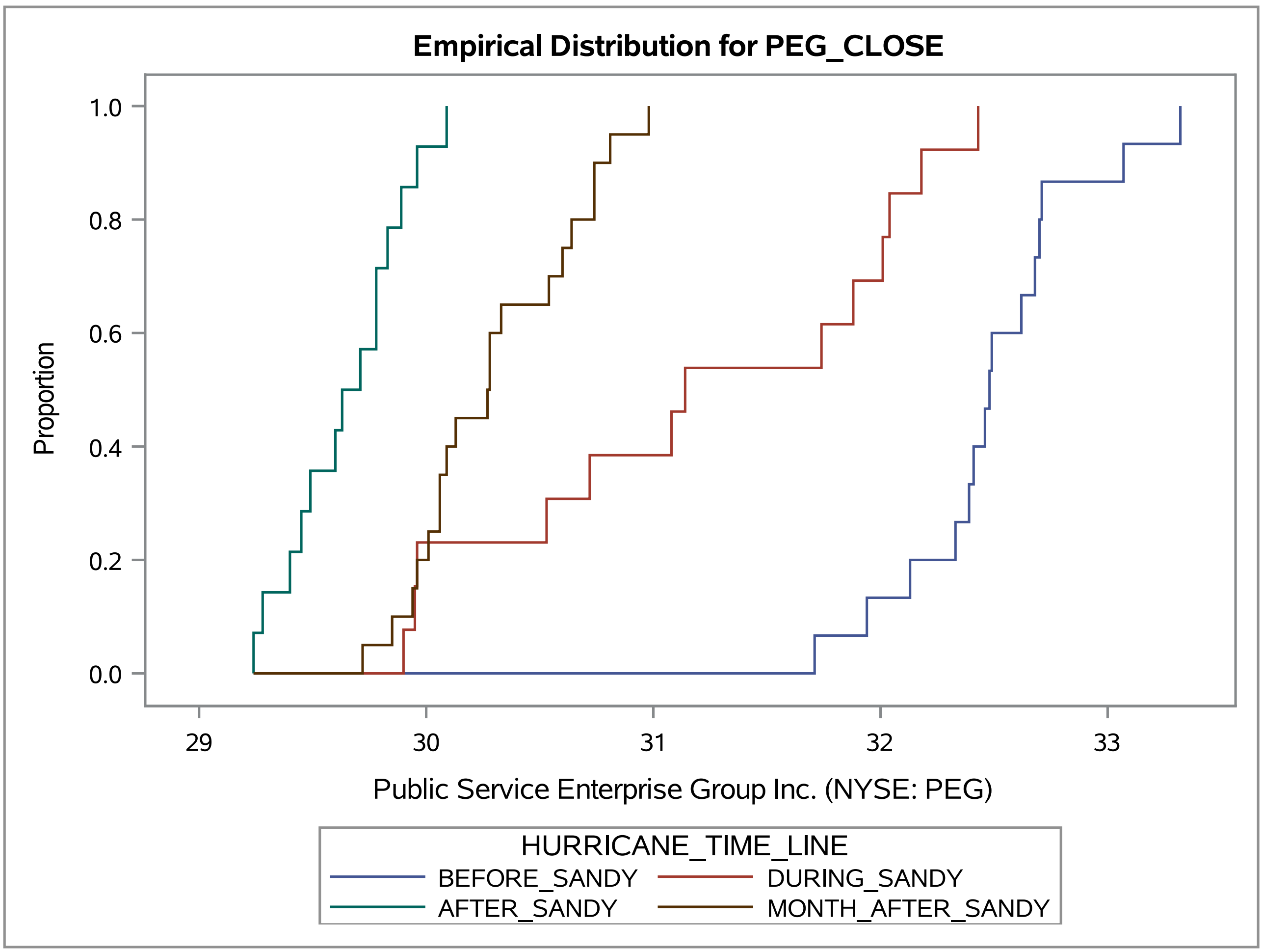


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable PEG_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.000000	-2.436231
DURING_SANDY	13	0.384615	-0.881258
AFTER_SANDY	14	1.000000	1.388034
MONTH_AFTER_SANDY	20	1.000000	1.659018
Total	62	0.629032	
Maximum Deviation Occurred at Observation 54			
Value of PEG_CLOSE at Maximum = 30.980			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.428629	**KSa**	3.375029



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable PEG_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	2.591380
DURING_SANDY	13	0.286957
AFTER_SANDY	14	2.373050
MONTH_AFTER_SANDY	20	0.631199

Cramer-von Mises Statistics (Asymptotic)

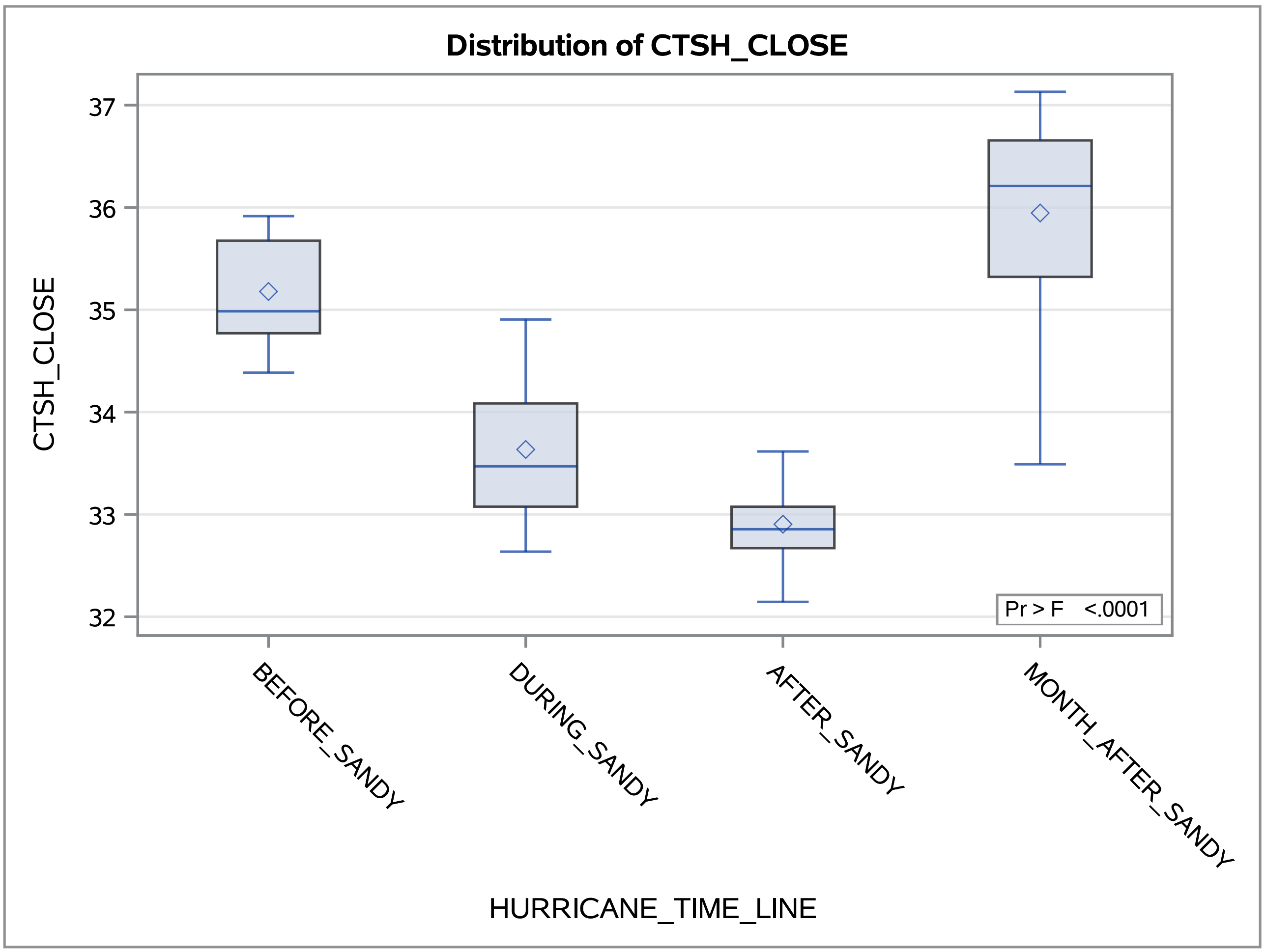
CM	0.094880	CMa	5.882585

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable CTSH_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	35.178167
DURING_SANDY	13	33.634285
AFTER_SANDY	14	32.904007
MONTH_AFTER_SANDY	20	35.945670

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	93.615887	31.205296	55.8281	<.0001
Within	58	32.419261	0.558953		
Average scores were used for ties.					

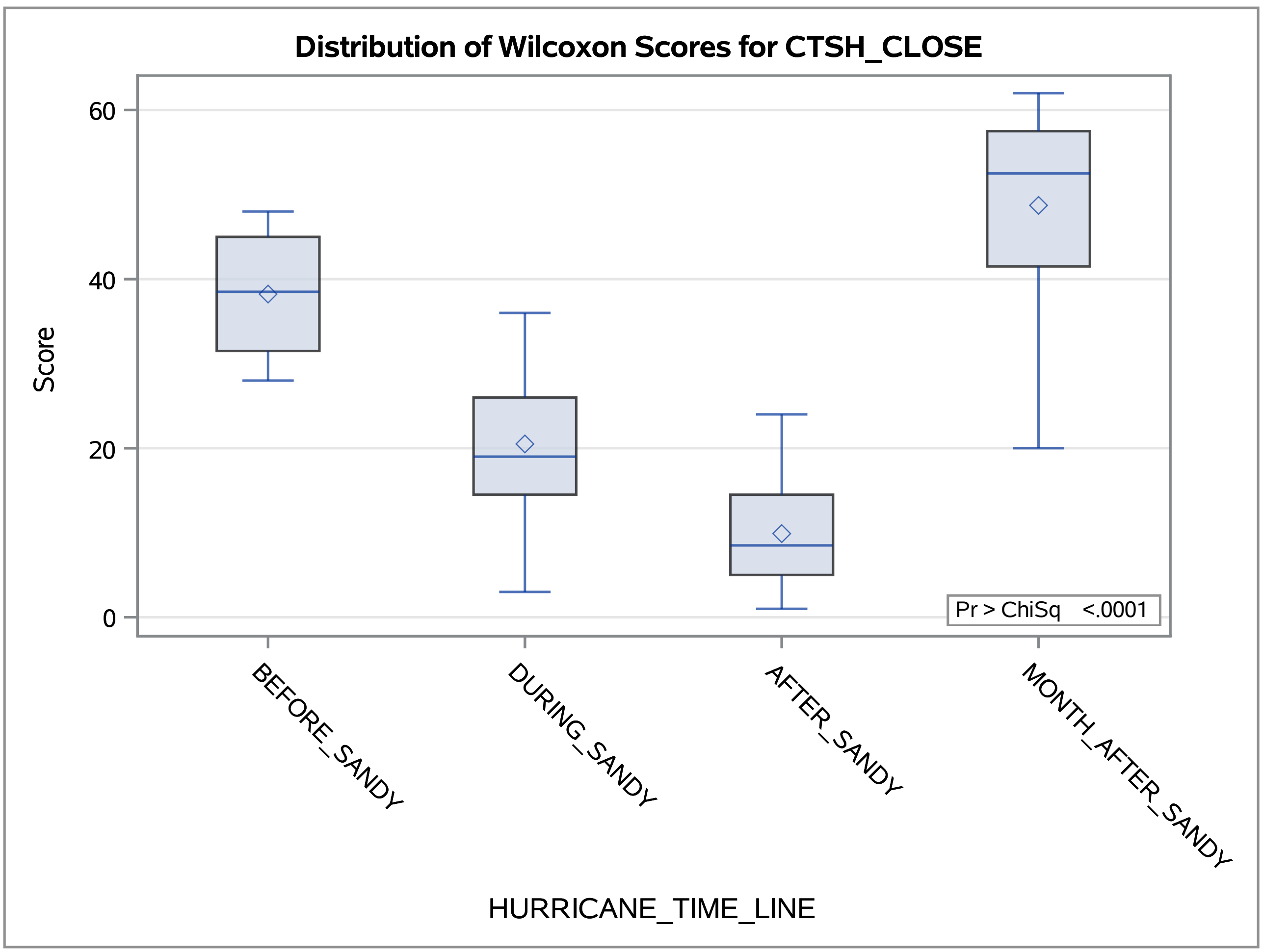


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable CTSH_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	573.50	472.50	60.835601	38.233333
DURING_SANDY	13	266.50	409.50	57.827306	20.500000
AFTER_SANDY	14	138.50	441.00	59.394726	9.892857
MONTH_AFTER_SANDY	20	974.50	630.00	66.405322	48.725000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	45.2361
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

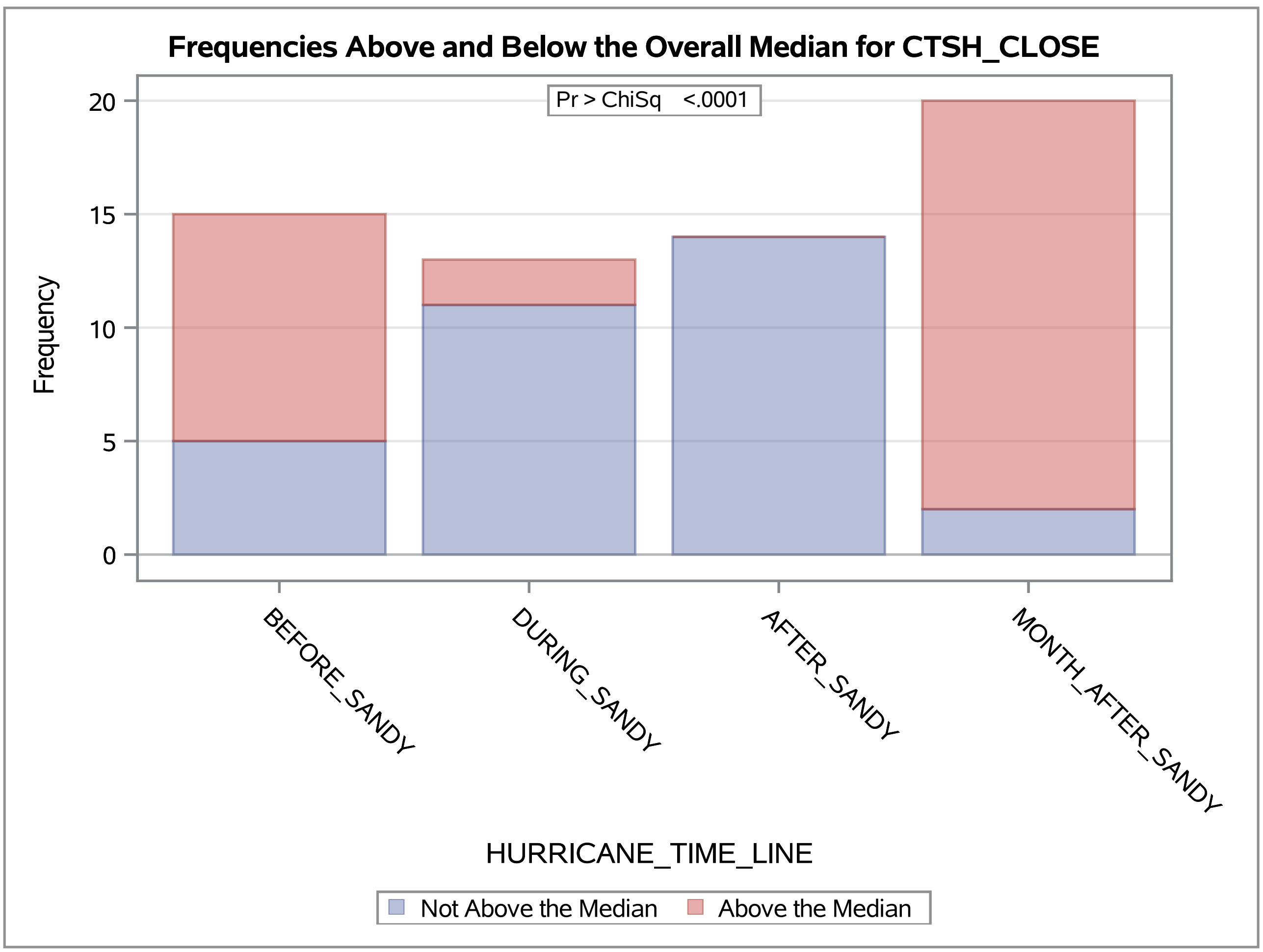
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable CTSH_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	11.0	7.50	1.672166	0.733333
DURING_SANDY	13	2.0	6.50	1.589478	0.153846
AFTER_SANDY	14	0.0	7.00	1.632561	0.000000
MONTH_AFTER_SANDY	20	18.0	10.00	1.825259	0.900000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	36.9024
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

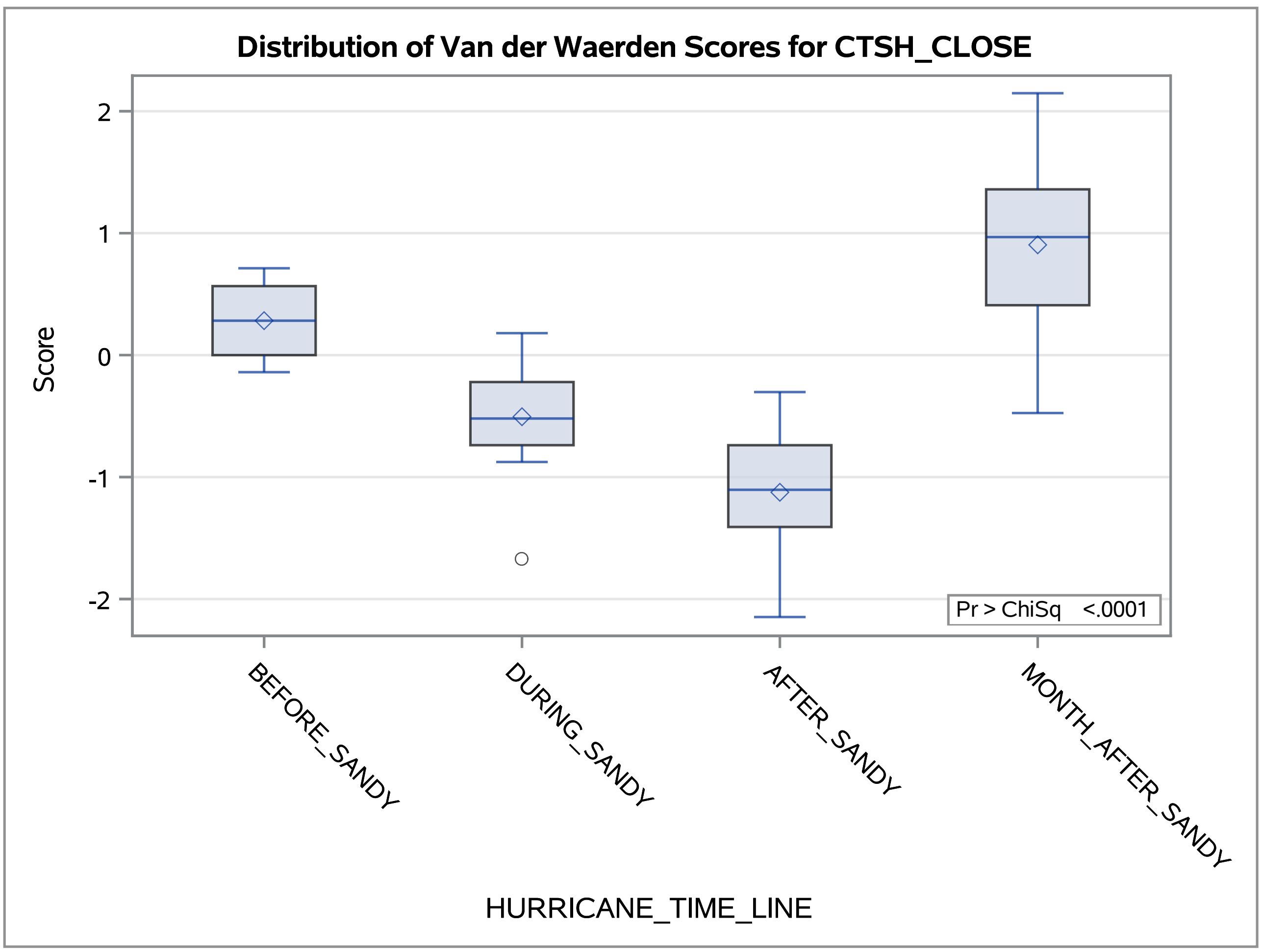
The NPAR1WAY Procedure

Van der Waerden Scores (Normal) for Variable CTSH_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	4.236841	0.0	3.205712	0.282456
DURING_SANDY	13	-6.568727	0.0	3.047191	-0.505287
AFTER_SANDY	14	-15.747087	0.0	3.129786	-1.124792
MONTH_AFTER_SANDY	20	18.078972	0.0	3.499207	0.903949

Average scores were used for ties.

Van der Waerden One-Way Analysis	
Chi-Square	42.6779
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

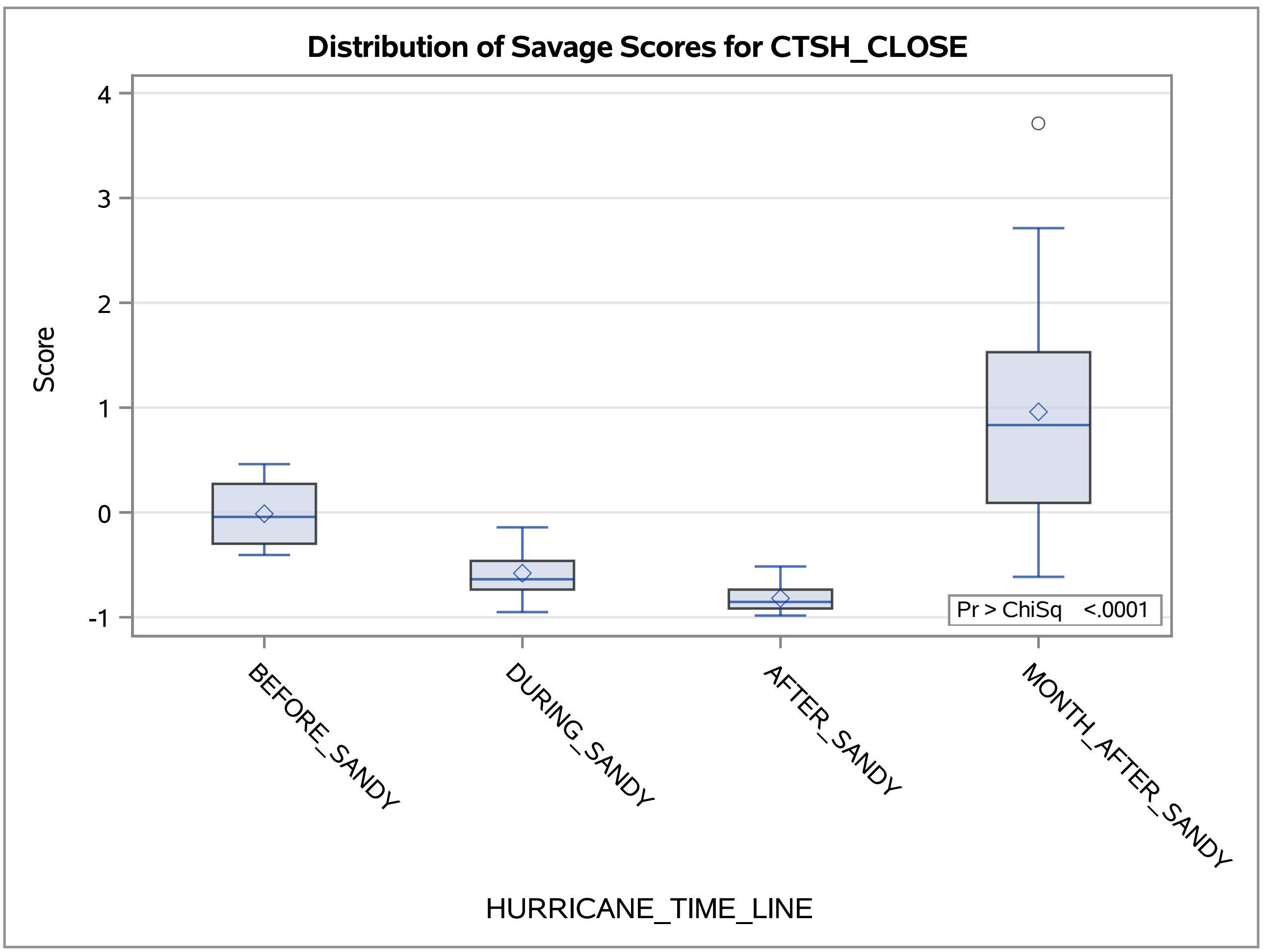
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable CTSH_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	-0.188116	0.0	3.267819	-0.012541
DURING_SANDY	13	-7.539103	0.0	3.106227	-0.579931
AFTER_SANDY	14	-11.468086	0.0	3.190422	-0.819149
MONTH_AFTER_SANDY	20	19.195305	0.0	3.567000	0.959765

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	34.2786
DF	3
Pr > Chi-Square	<.0001

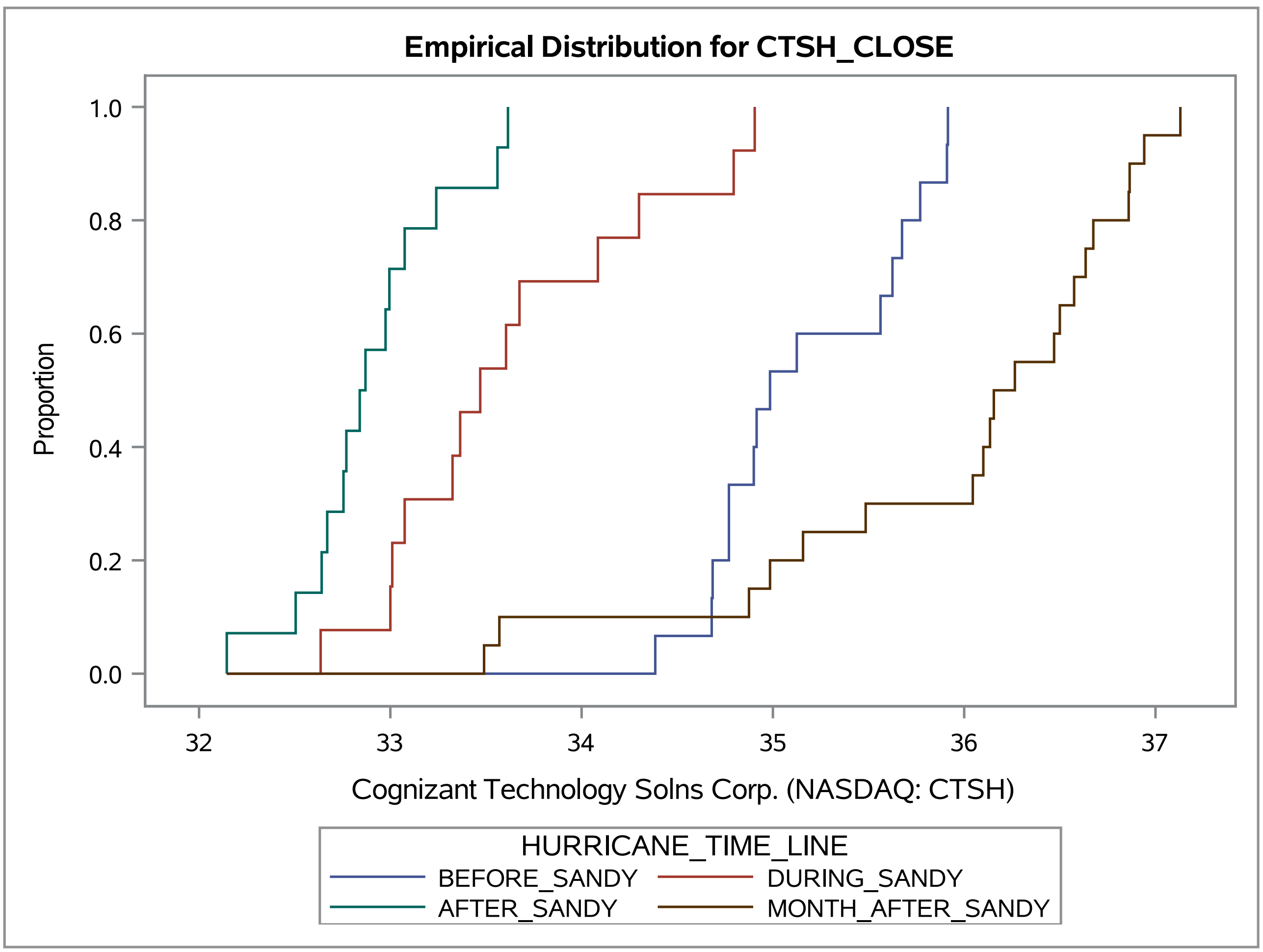


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable CTSH_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.000000	-1.686622
DURING_SANDY	13	0.846154	1.480692
AFTER_SANDY	14	1.000000	2.112226
MONTH_AFTER_SANDY	20	0.100000	-1.500329
Total	62	0.435484	
Maximum Deviation Occurred at Observation 18			
Value of CTSH_CLOSE at Maximum = 34.30			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.435328	**KSa**	3.427773



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable CTSH_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.659865
DURING_SANDY	13	0.715904
AFTER_SANDY	14	2.196972
MONTH_AFTER_SANDY	20	1.916628

Cramer-von Mises Statistics (Asymptotic)

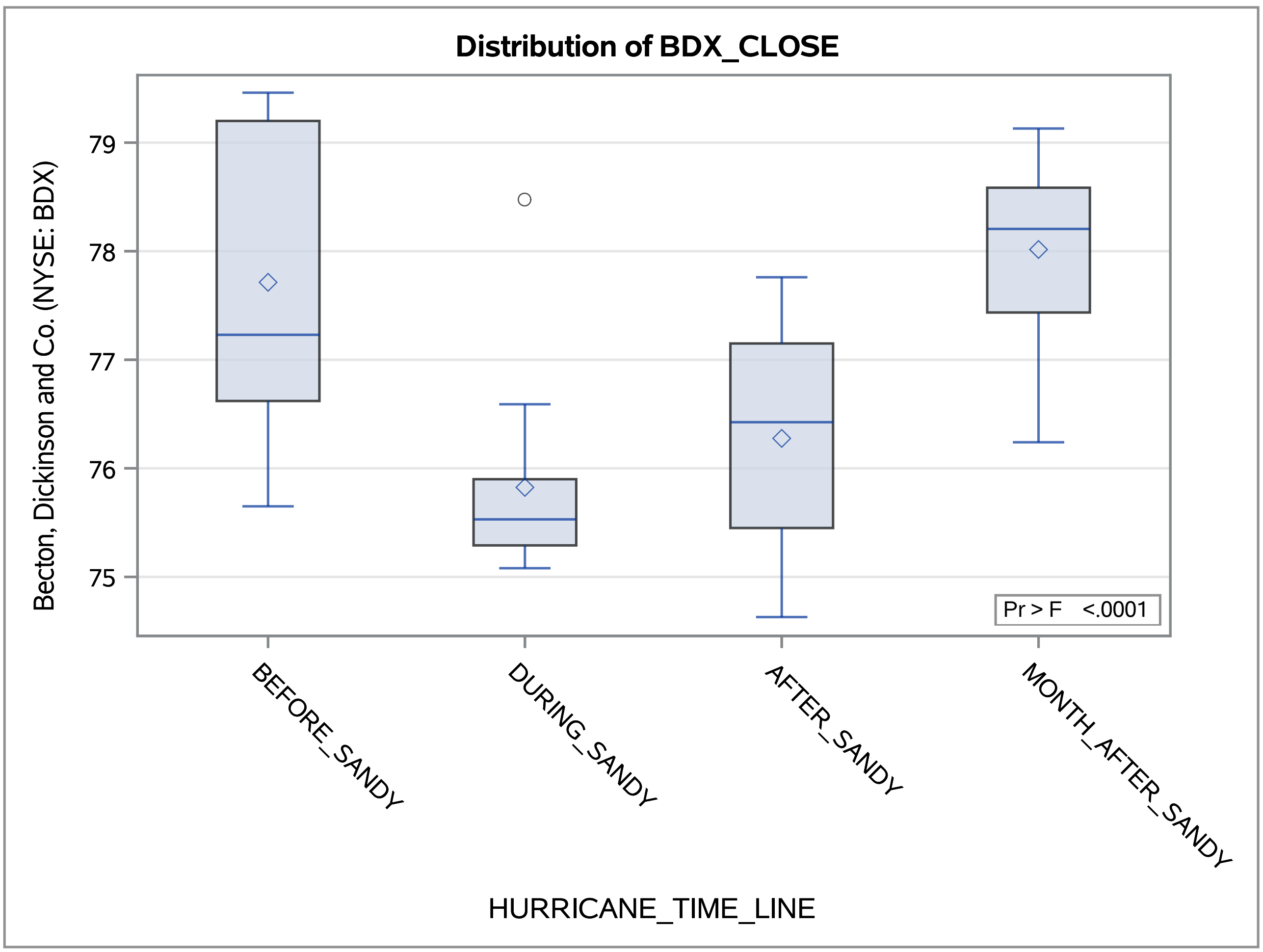
CM	0.088538	CMa	5.489369

NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Analysis of Variance for Variable BDX_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	**N**	**Mean**
BEFORE_SANDY	15	77.713333
DURING_SANDY	13	75.824615
AFTER_SANDY	14	76.275714
MONTH_AFTER_SANDY	20	78.015500

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Among	3	53.057604	17.685868	16.8102	<.0001
Within	58	61.021294	1.052091		
Average scores were used for ties.					

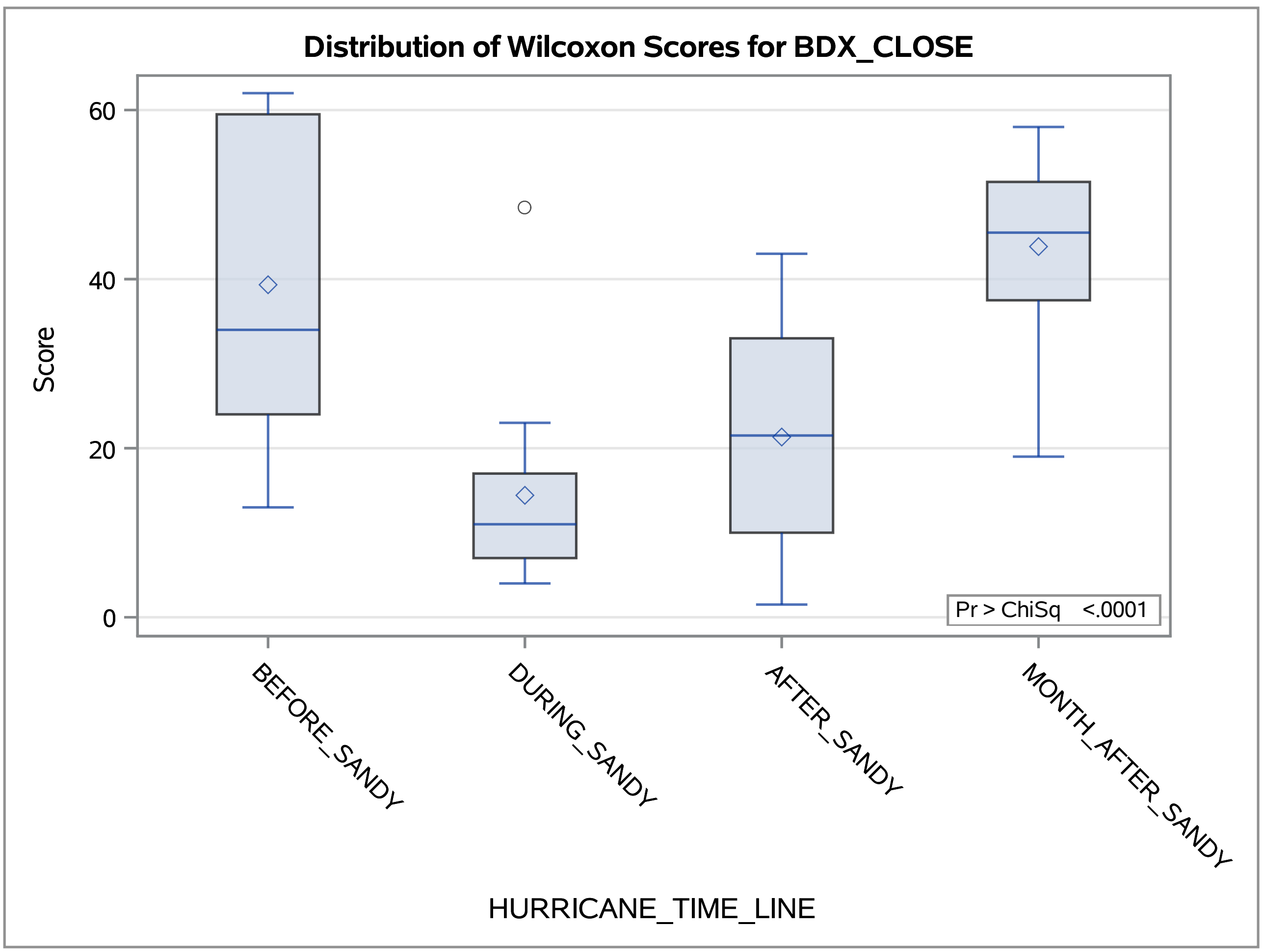


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable BDX_CLOSE Classified by Variable HURRICANE_TIME_LINE					
HURRICANE_TIME_LINE	**N**	**Sum of Scores**	**Expected Under H0**	**Std Dev Under H0**	**Mean Score**
BEFORE_SANDY	15	590.00	472.50	60.834835	39.333333
DURING_SANDY	13	187.50	409.50	57.826578	14.423077
AFTER_SANDY	14	298.50	441.00	59.393978	21.321429
MONTH_AFTER_SANDY	20	877.00	630.00	66.404486	43.850000
Average scores were used for ties.					

Kruskal-Wallis Test	
Chi-Square	28.3051
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

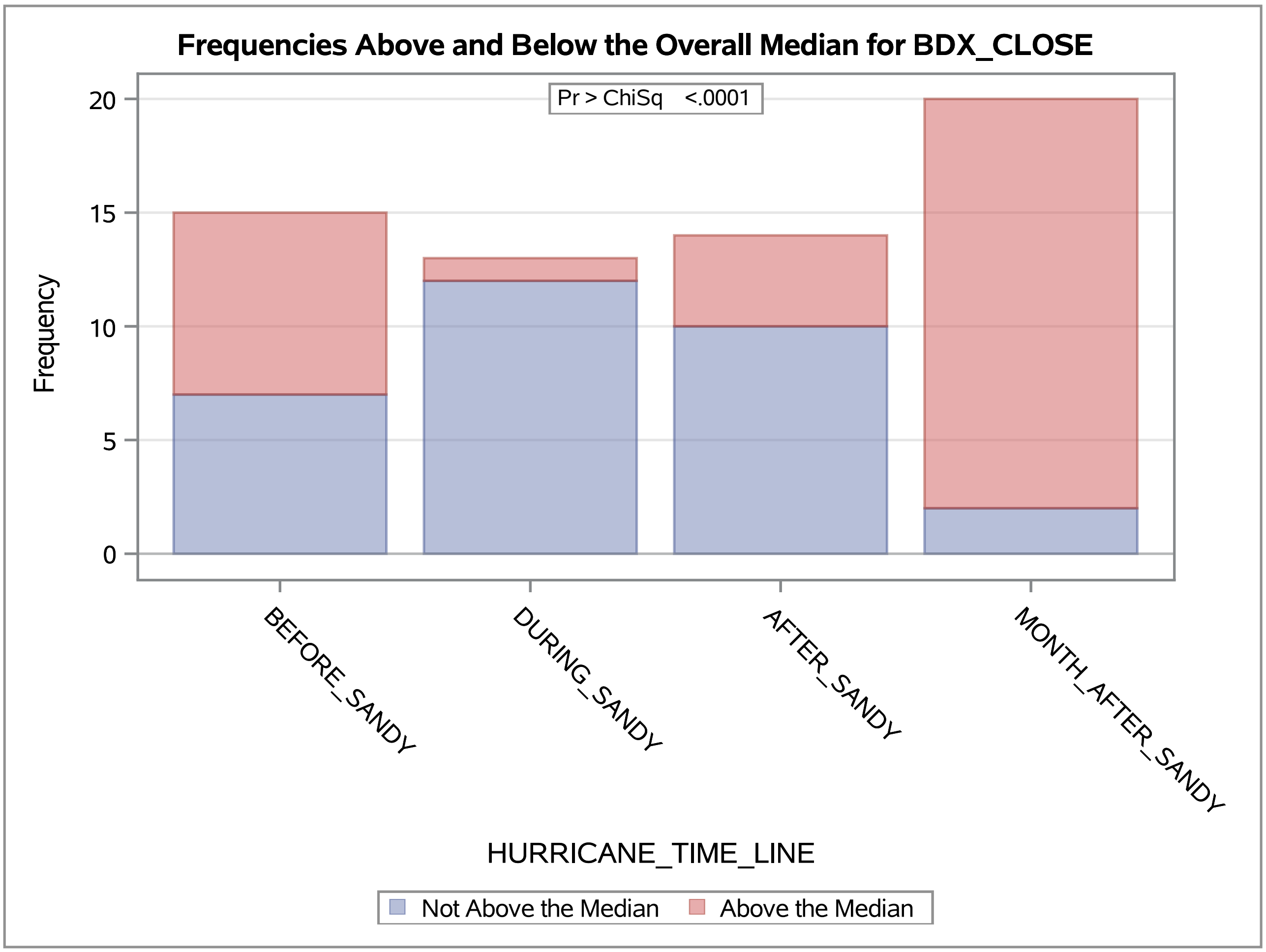
The NPAR1WAY Procedure

Median Scores (Number of Points Above Median) for Variable BDX_CLOSE Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	8.0	7.50	1.699807	0.533333
DURING_SANDY	13	1.0	6.50	1.615752	0.076923
AFTER_SANDY	14	4.0	7.00	1.659548	0.285714
MONTH_AFTER_SANDY	20	18.0	10.00	1.855431	0.900000

Average scores were used for ties.

Median One-Way Analysis	
Chi-Square	24.3467
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

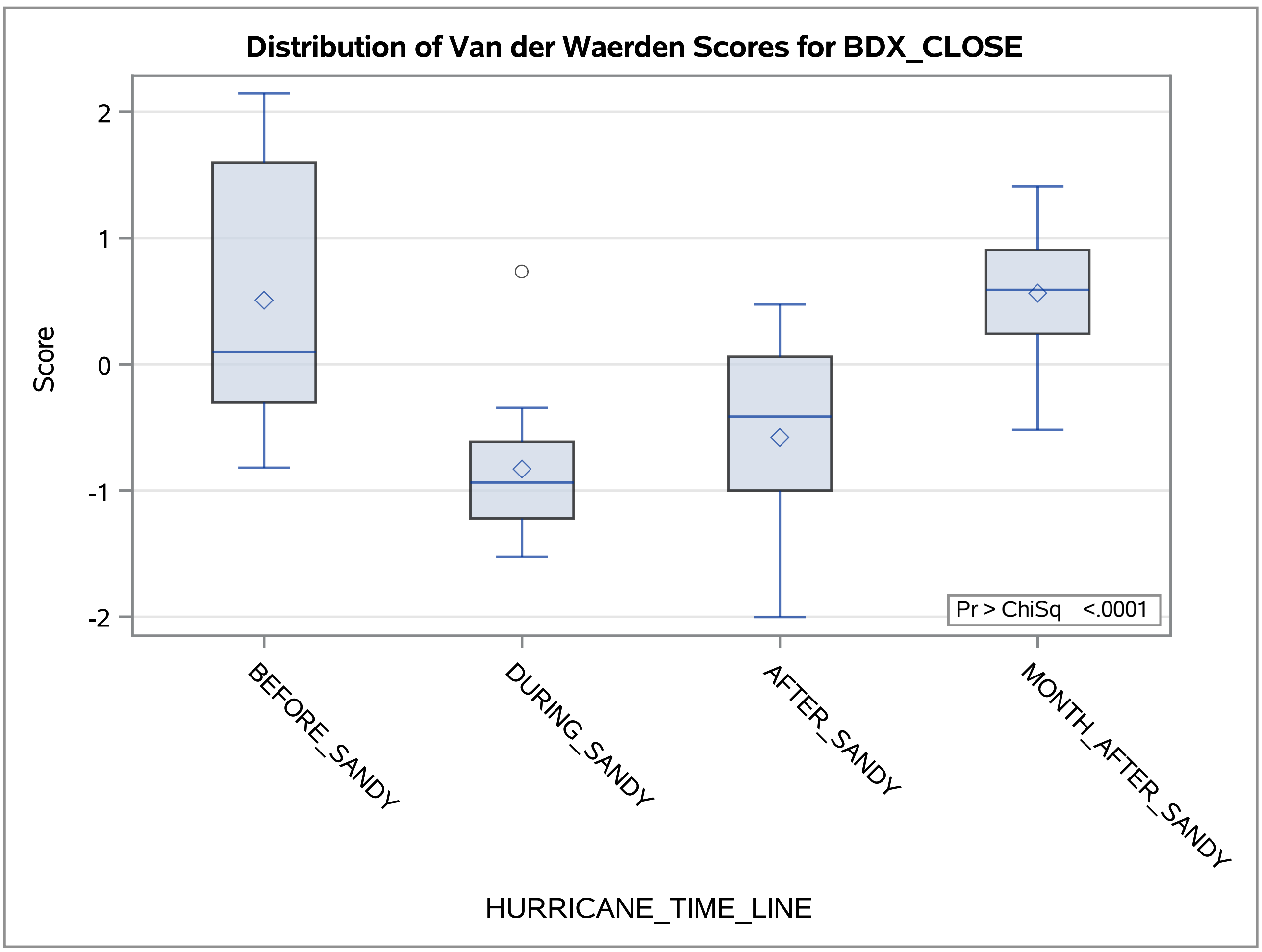
Van der Waerden Scores (Normal) for Variable BDX_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	7.613954	0.0	3.204204	0.507597
DURING_SANDY	13	-10.781331	0.0	3.045757	-0.829333
AFTER_SANDY	14	-8.109168	0.0	3.128313	-0.579226
MONTH_AFTER_SANDY	20	11.276545	0.0	3.497560	0.563827

Average scores were used for ties.

Van der Waerden One-Way Analysis

Chi-Square	26.4271
DF	3
Pr > Chi-Square	<.0001



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

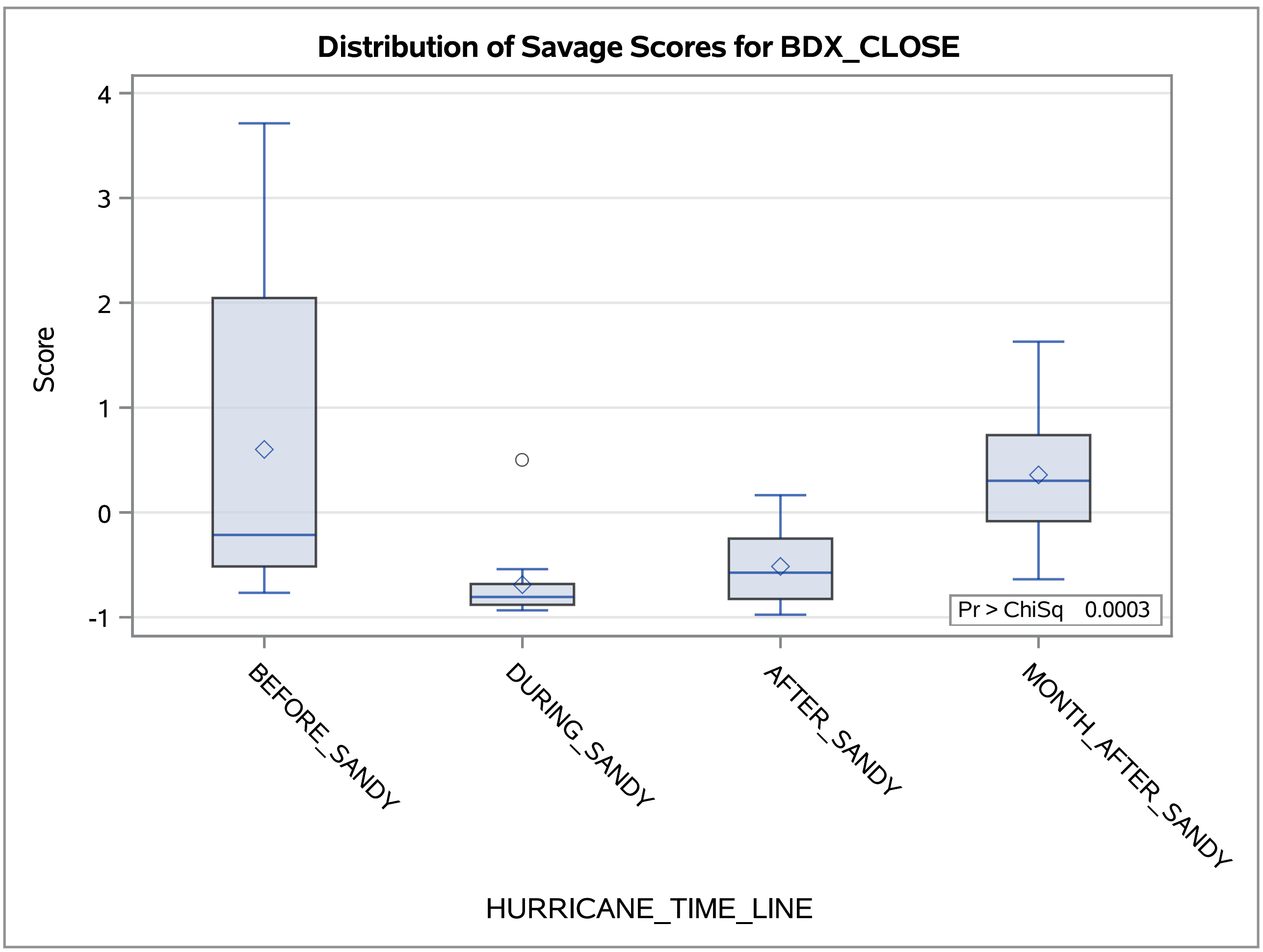
The NPAR1WAY Procedure

Savage Scores (Exponential) for Variable BDX_CLOSE
Classified by Variable HURRICANE_TIME_LINE

HURRICANE_TIME_LINE	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
BEFORE_SANDY	15	9.011636	0.0	3.266191	0.600776
DURING_SANDY	13	-8.958240	0.0	3.104680	-0.689095
AFTER_SANDY	14	-7.213574	0.0	3.188832	-0.515255
MONTH_AFTER_SANDY	20	7.160178	0.0	3.565223	0.358009

Average scores were used for ties.

Savage One-Way Analysis	
Chi-Square	19.0446
DF	3
Pr > Chi-Square	0.0003

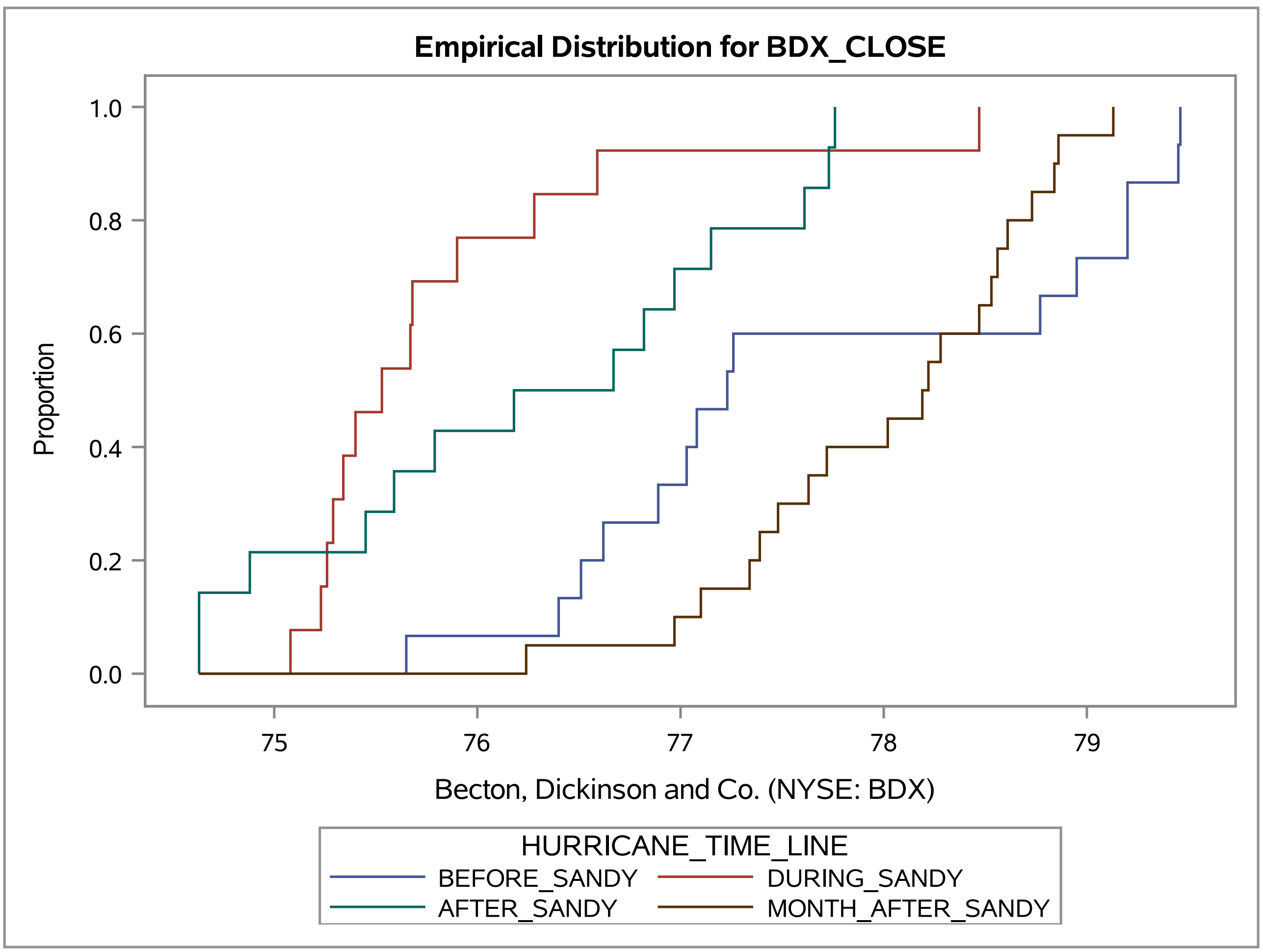


NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Kolmogorov-Smirnov Test for Variable BDX_CLOSE Classified by Variable HURRICANE_TIME_LINE			
HURRICANE_TIME_LINE	**N**	**EDF at Maximum**	**Deviation from Mean at Maximum**
BEFORE_SANDY	15	0.266667	-0.591359
DURING_SANDY	13	0.923077	1.816196
AFTER_SANDY	14	0.642857	0.836269
MONTH_AFTER_SANDY	20	0.050000	-1.651805
Total	62	0.419355	
Maximum Deviation Occurred at Observation 36			
Value of BDX_CLOSE at Maximum = 76.820			

Kolmogorov-Smirnov Statistics (Asymptotic)			
KS	0.337832	**KSa**	2.660090



NONPARAMETRIC TEST OF STOCK PRICE BEFORE, DURING AND AFTER HURRICANE SANDY

The NPAR1WAY Procedure

Cramer-von Mises Test for Variable BDX_CLOSE Classified by Variable HURRICANE_TIME_LINE		
HURRICANE_TIME_LINE	N	Summed Deviation from Mean
BEFORE_SANDY	15	0.324213
DURING_SANDY	13	1.358017
AFTER_SANDY	14	0.444338
MONTH_AFTER_SANDY	20	1.199540

Cramer-von Mises Statistics (Asymptotic)			
CM	0.053647	CMa	3.326108