

Data written to the working file .

5 variables and 227 cases written .

Variable :Name Type:String Format :A27

Variable :Year Type:Number Format :F4 One or more values were set to system-missing .

Variable :Max.Wind.Speedkts Type:Number Format :F3 One or more values were set to system-missing .

Variable :Central.Pressuremb Type:Number Format :F4 One or more values were set to system-missing .

Variable :Category Type:Number Format :F1 One or more values were set to system-missing .

Substitute the following to build syntax for these data .

/VARIABLES=

Name A27

Year F4

Max.Wind.Speedkts F3

Central.Pressuremb F4

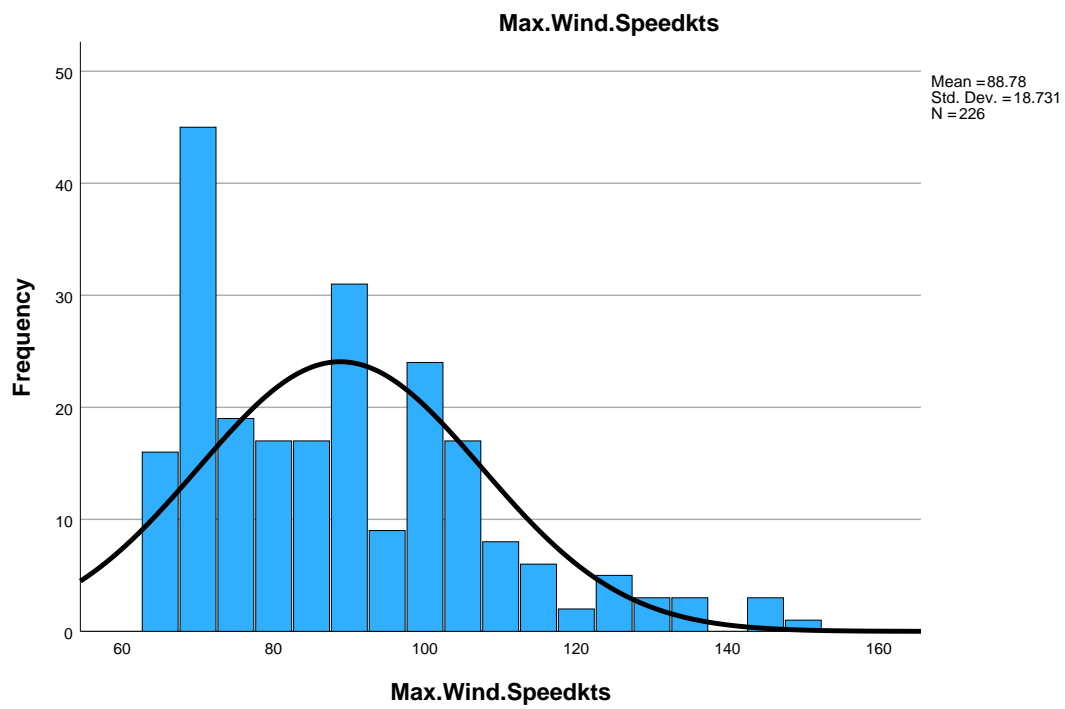
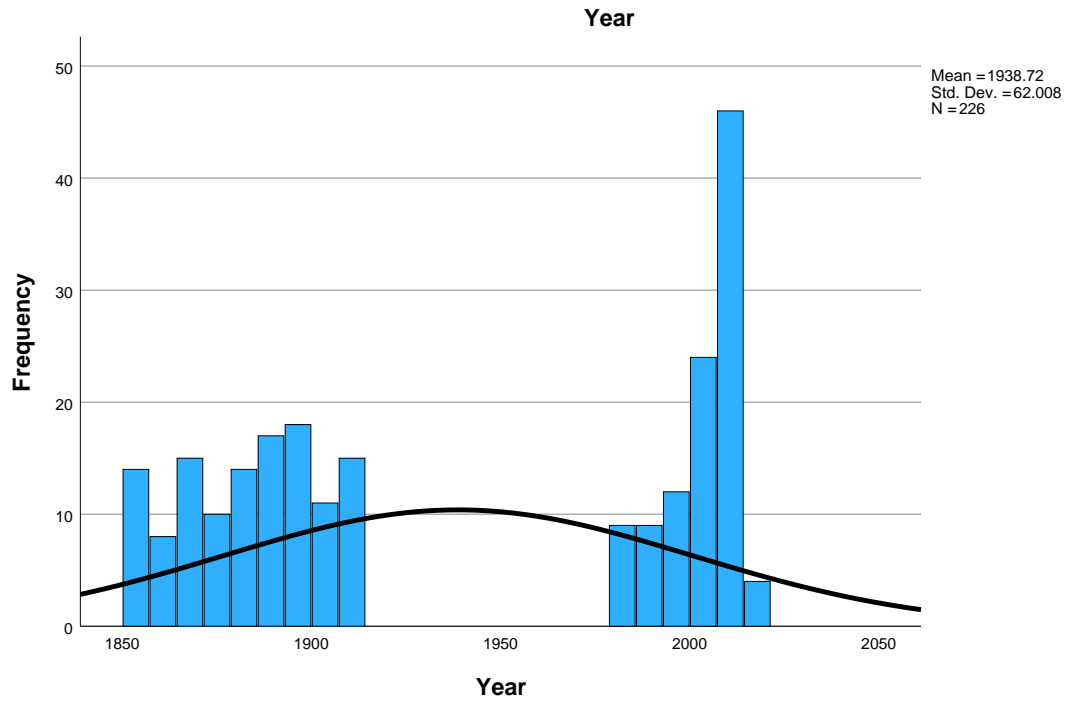
Category F1

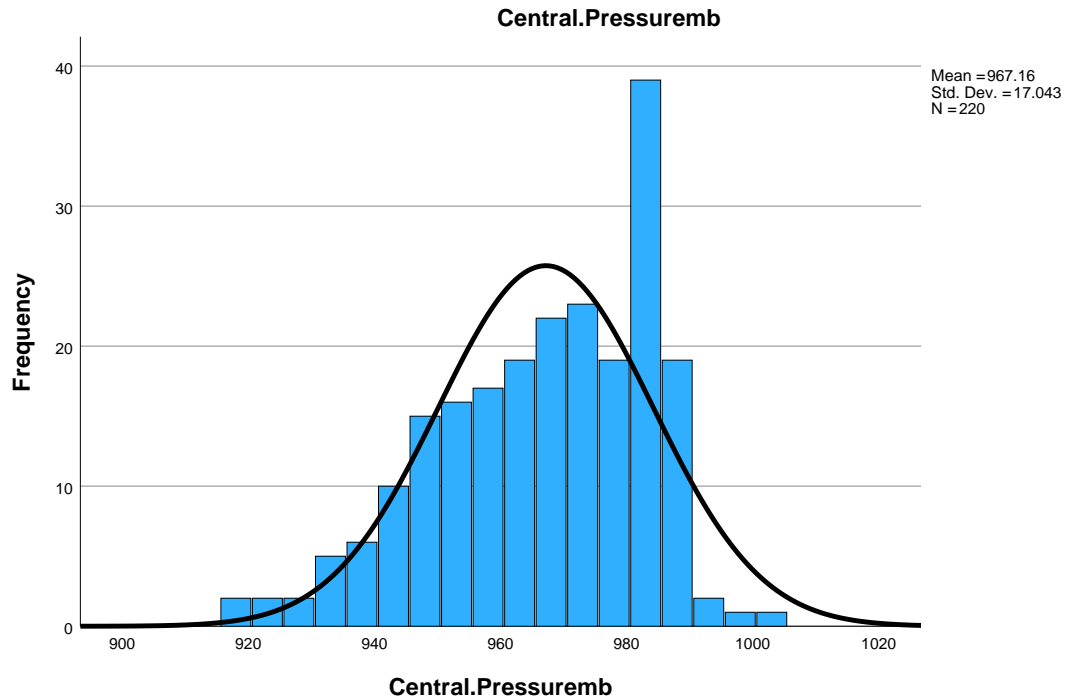
Frequencies

[DataSet1]

		Statistics		
		Year	Max.Wind. Speedkts	Central. Pressuremb
N	Valid	226	226	220
	Missing	1	1	7
Mean		1938.72	88.78	967.16
Median		1909.50	85.00	969.50
Std. Deviation		62.008	18.731	17.043
Skewness		.053	.876	-.603
Std. Error of Skewness		.162	.162	.164
Kurtosis		-1.800	.460	-.258
Std. Error of Kurtosis		.322	.322	.327
Minimum		1851	65	918
Maximum		2015	150	1002
Percentiles	25	1881.75	70.00	955.00
	50	1909.50	85.00	969.50
	75	2006.00	100.00	983.00

Histogram





Frequencies

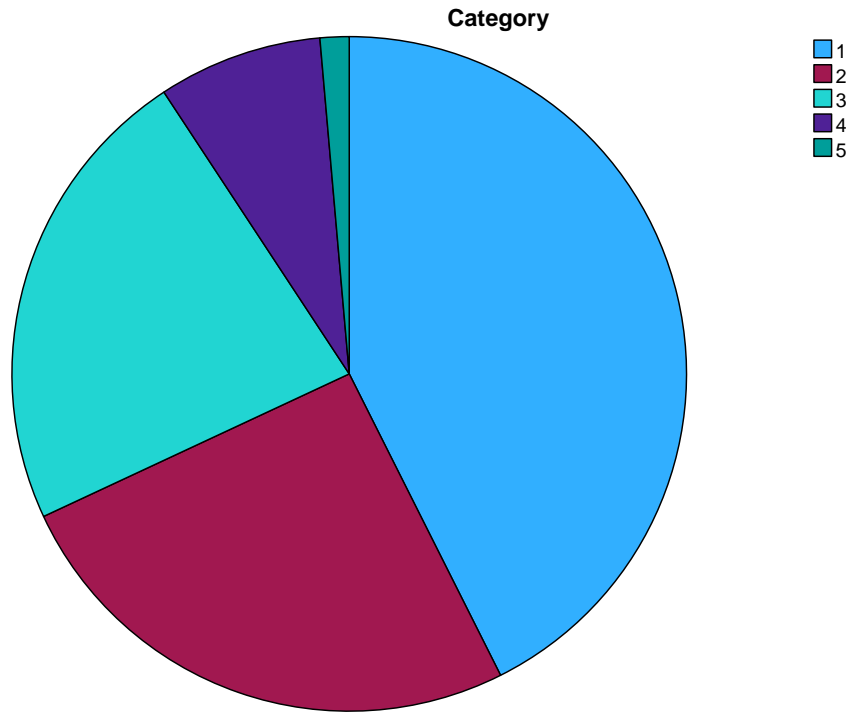
Statistics

Category

N	Valid	216
	Missing	11

Category

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	92	40.5	42.6	42.6
	2	55	24.2	25.5	68.1
	3	49	21.6	22.7	90.7
	4	17	7.5	7.9	98.6
	5	3	1.3	1.4	100.0
	Total	216	95.2	100.0	
Missing	System	11	4.8		
Total		227	100.0		



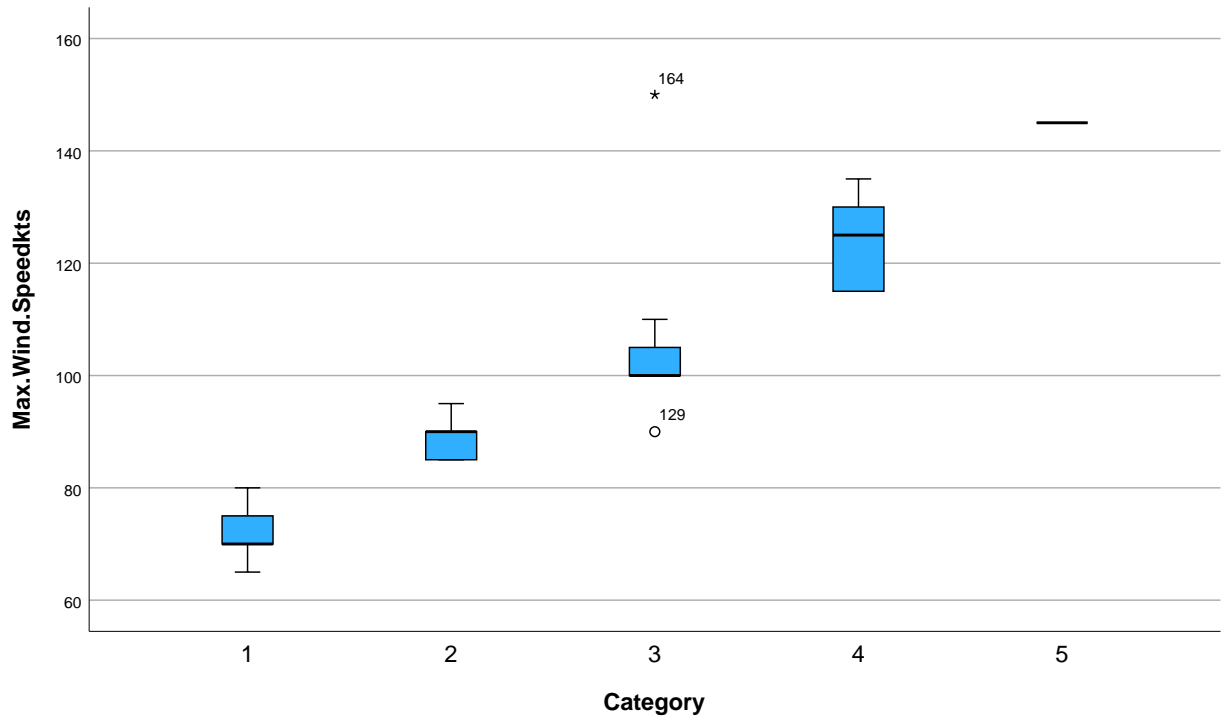
Explore

Category

Case Processing Summary

		Valid		Cases Missing		Total	
Category		N	Percent	N	Percent	N	Percent
Max.Wind.Speedkts	1	92	100.0%	0	0.0%	92	100.0%
	2	55	100.0%	0	0.0%	55	100.0%
	3	49	100.0%	0	0.0%	49	100.0%
	4	17	100.0%	0	0.0%	17	100.0%
	5	3	100.0%	0	0.0%	3	100.0%

Max.Wind.Speedkts



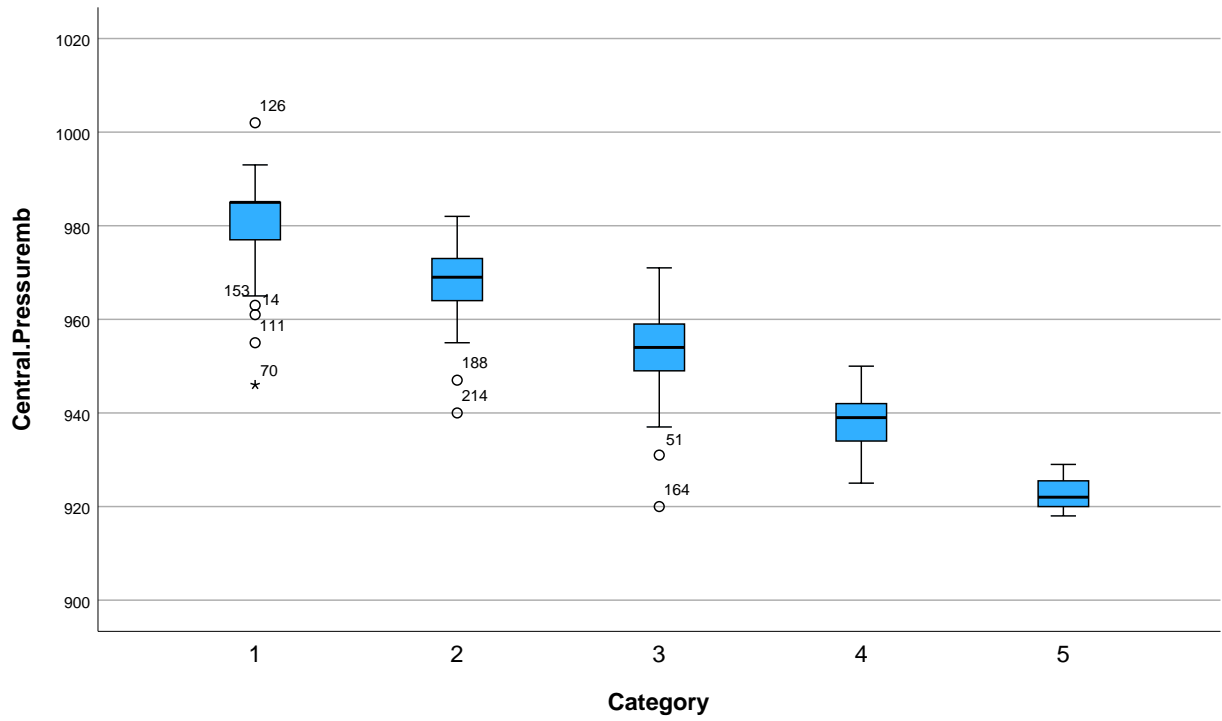
Explore

Category

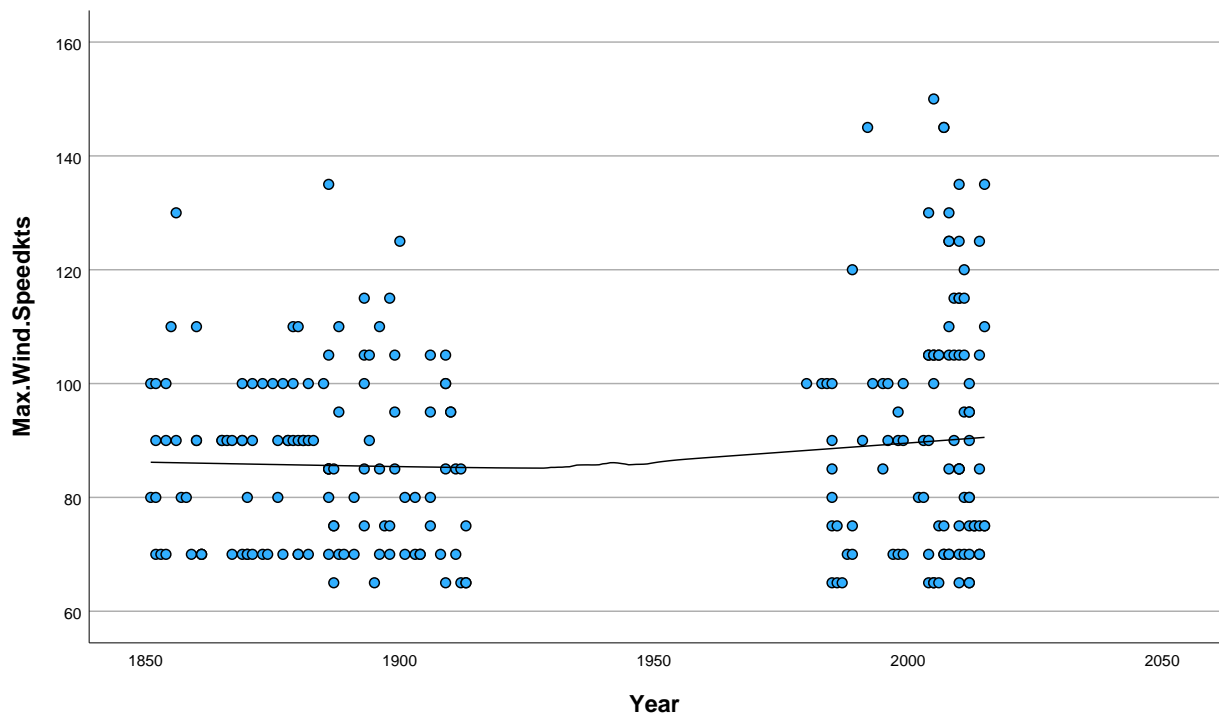
Case Processing Summary

		Valid		Cases Missing		Total	
Category		N	Percent	N	Percent	N	Percent
Central.Pressuremb	1	91	98.9%	1	1.1%	92	100.0%
	2	53	96.4%	2	3.6%	55	100.0%
	3	49	100.0%	0	0.0%	49	100.0%
	4	14	82.4%	3	17.6%	17	100.0%
	5	3	100.0%	0	0.0%	3	100.0%

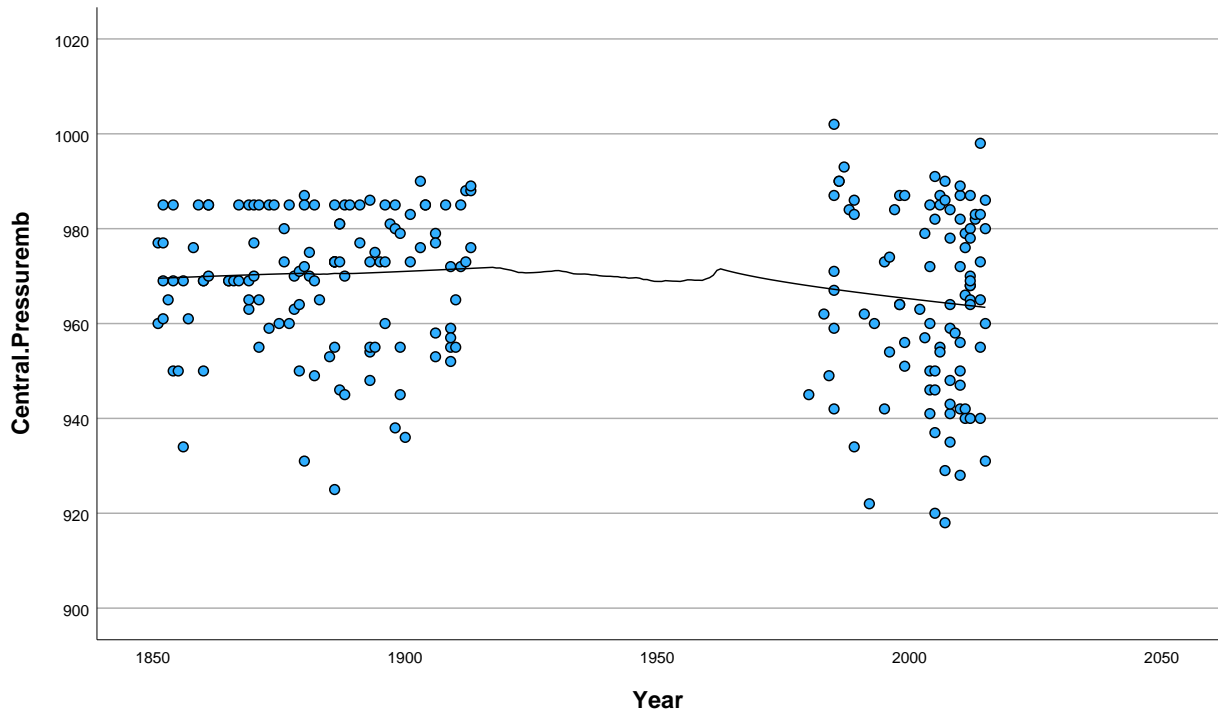
Central.Pressuremb



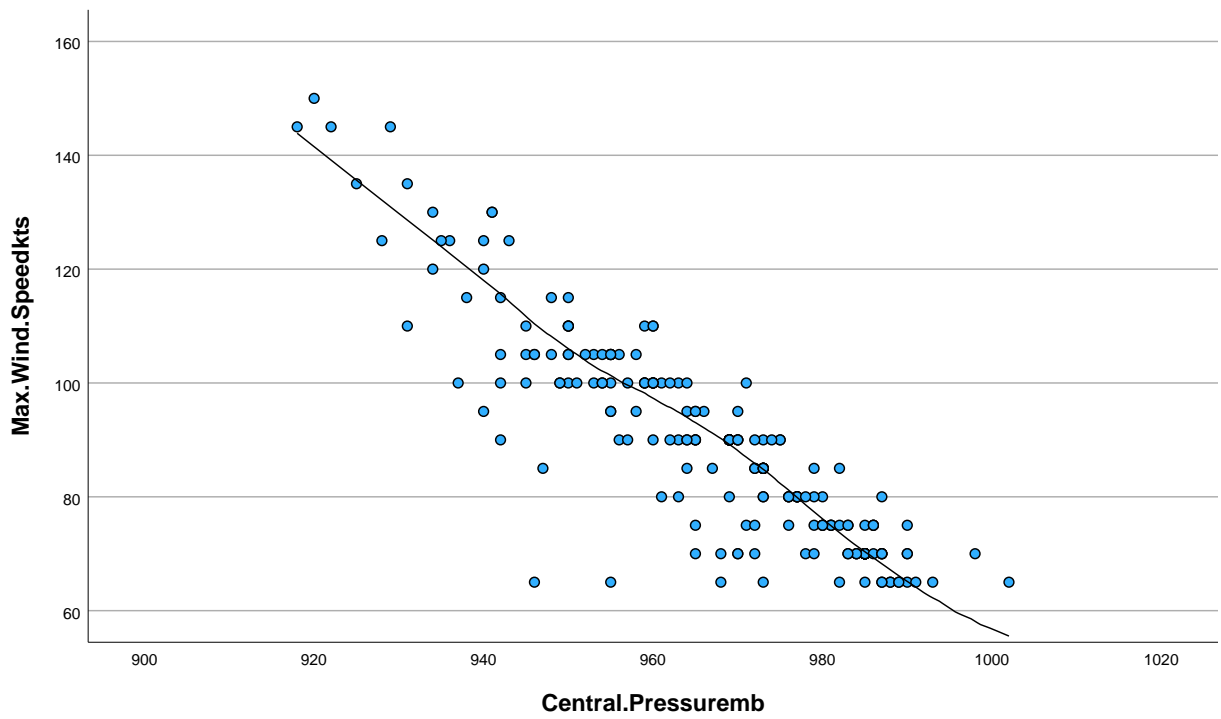
Graph



Graph

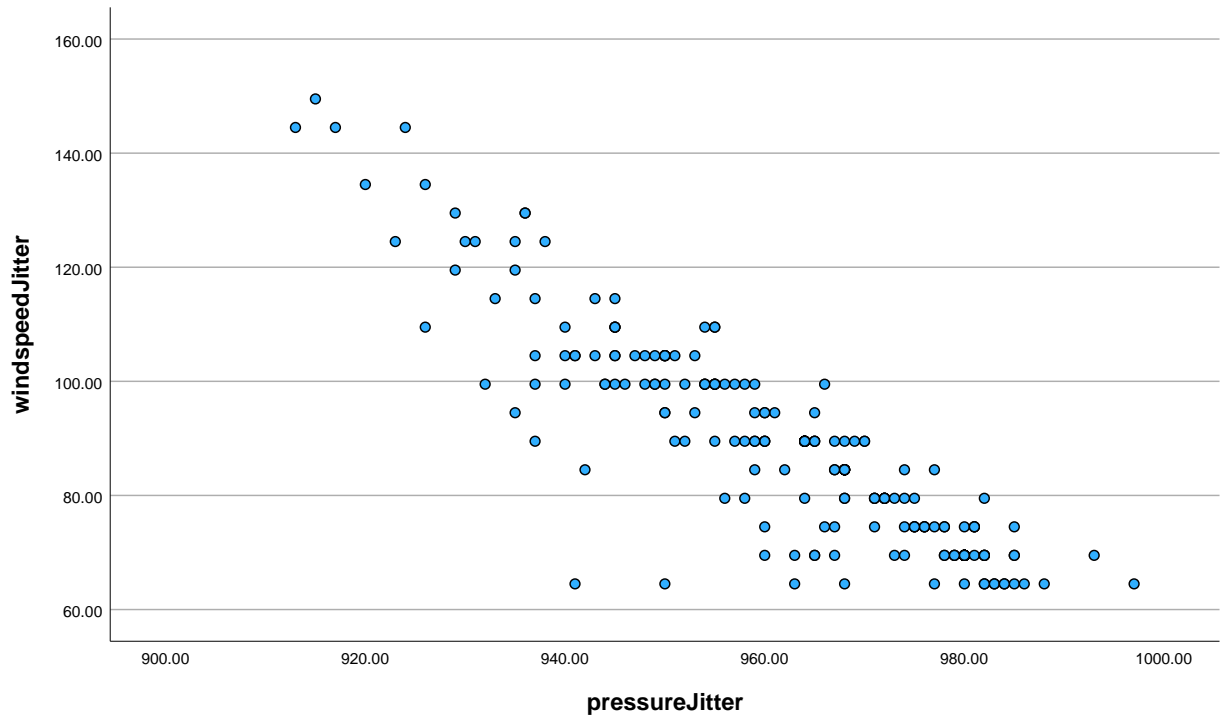


Graph



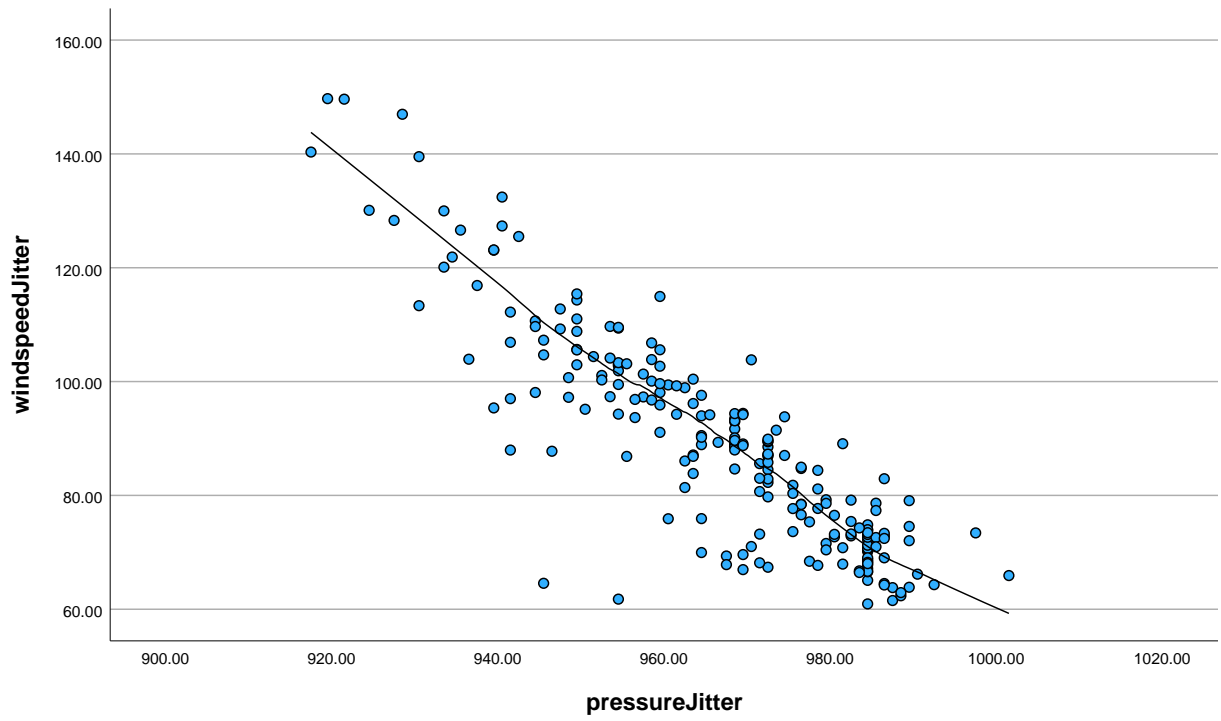
Graph

Graph

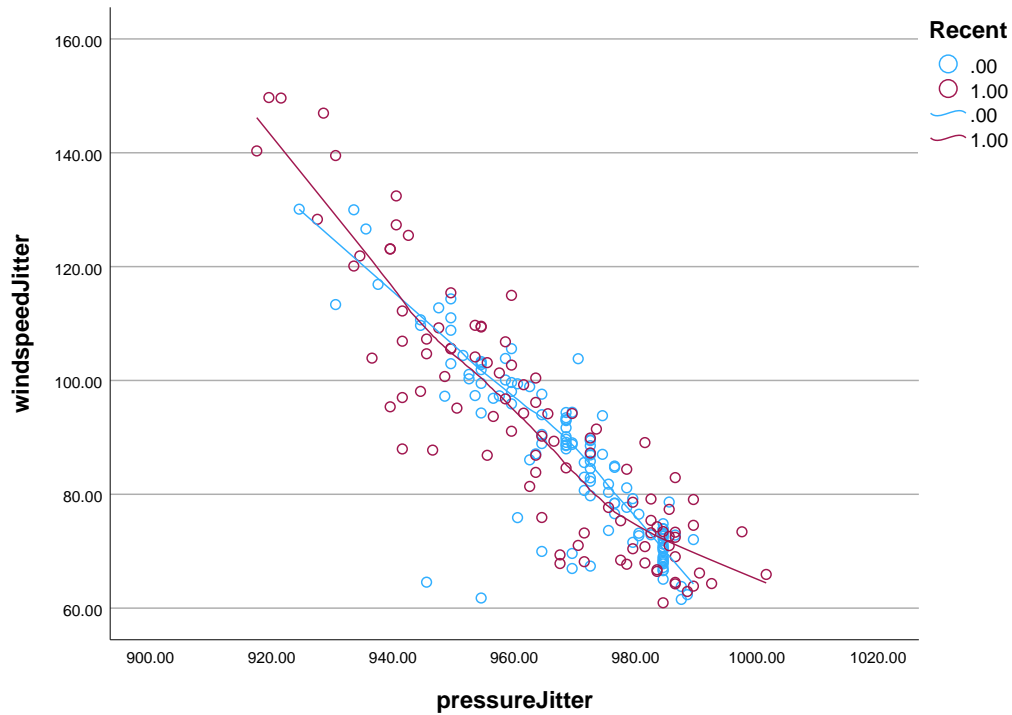


Graph

Graph



Graph



Regression

Descriptive Statistics

	Mean	Std. Deviation	N
Max.Wind.Speedkts	88.43	18.510	220
Central.Pressuremb	967.16	17.043	220

Correlations

		Max.Wind. Speedkts	Central. Pressuremb
Pearson Correlation	Max.Wind.Speedkts	1.000	-.898
	Central.Pressuremb	-.898	1.000
Sig. (1-tailed)	Max.Wind.Speedkts	.	<.001
	Central.Pressuremb	.000	.
N	Max.Wind.Speedkts	220	220
	Central.Pressuremb	220	220

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Central.Pressuremb ^b	.	Enter

a. Dependent Variable: Max.Wind.Speedkts

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.898 ^a	.806	.805	8.180

a. Predictors: (Constant), Central.Pressuremb

b. Dependent Variable: Max.Wind.Speedkts

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	60447.306	1	60447.306	903.394	<.001 ^b
	Residual	14586.672	218	66.911		
	Total	75033.977	219			

a. Dependent Variable: Max.Wind.Speedkts

b. Predictors: (Constant), Central.Pressuremb

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1031.244	31.373		32.871	<.001
	Central.Pressuremb	-.975	.032	-.898	-30.057	<.001

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	969.411	1093.077
	Central.Pressuremb	-1.039	-.911

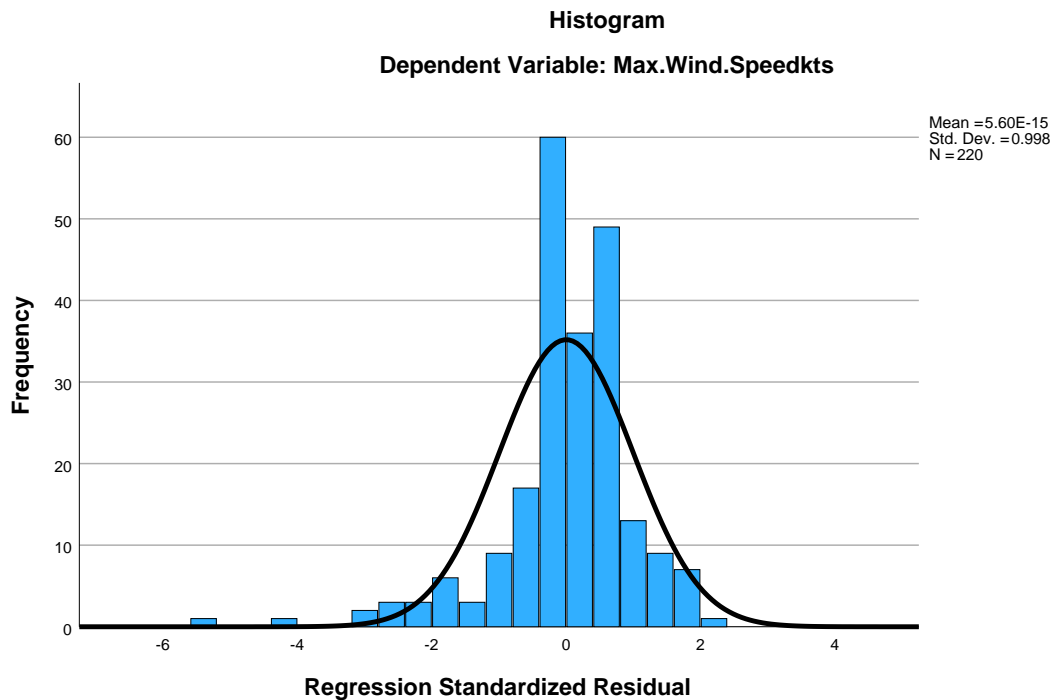
a. Dependent Variable: Max.Wind.Speedkts

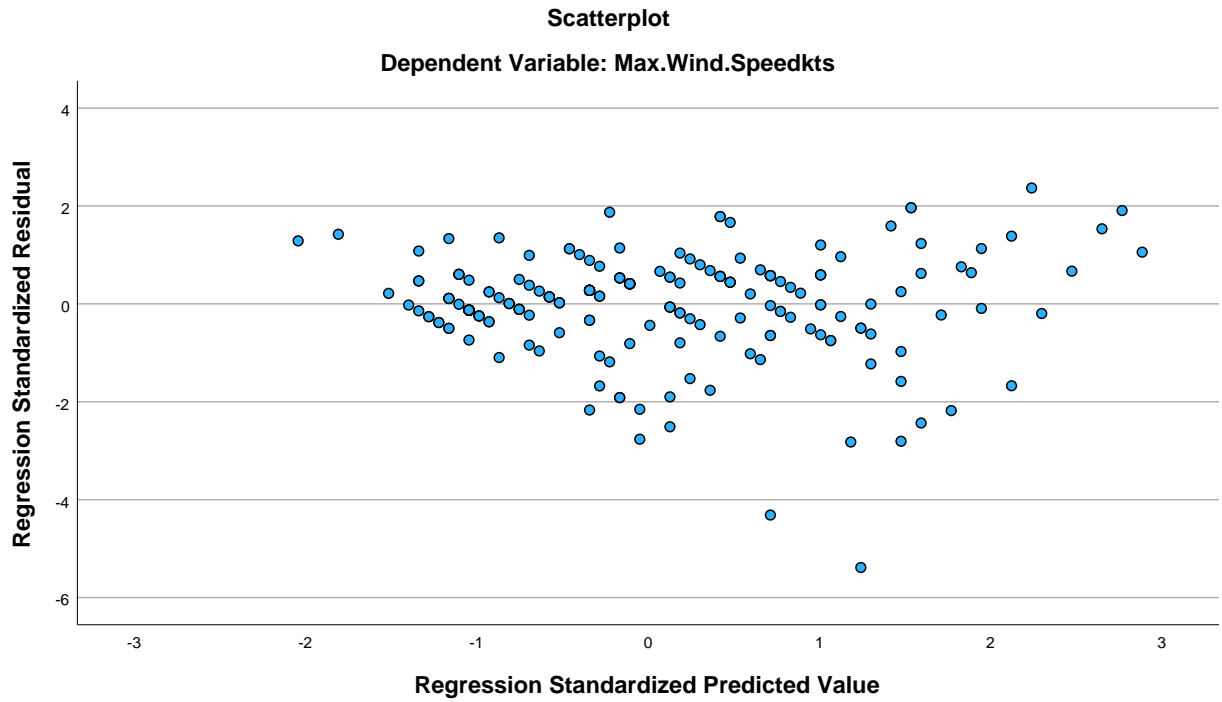
Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	54.47	136.36	88.43	16.614	220
Std. Predicted Value	-2.044	2.885	.000	1.000	220
Standard Error of Predicted Value	.552	1.687	.751	.209	220
Adjusted Predicted Value	54.22	135.97	88.42	16.598	220
Residual	-44.063	19.365	.000	8.161	220
Std. Residual	-5.387	2.367	.000	.998	220
Stud. Residual	-5.418	2.401	.000	1.003	220
Deleted Residual	-44.579	19.912	.008	8.253	220
Stud. Deleted Residual	-5.811	2.427	-.003	1.022	220
Mahal. Distance	.000	8.322	.995	1.309	220
Cook's Distance	.000	.172	.006	.017	220
Centered Leverage Value	.000	.038	.005	.006	220

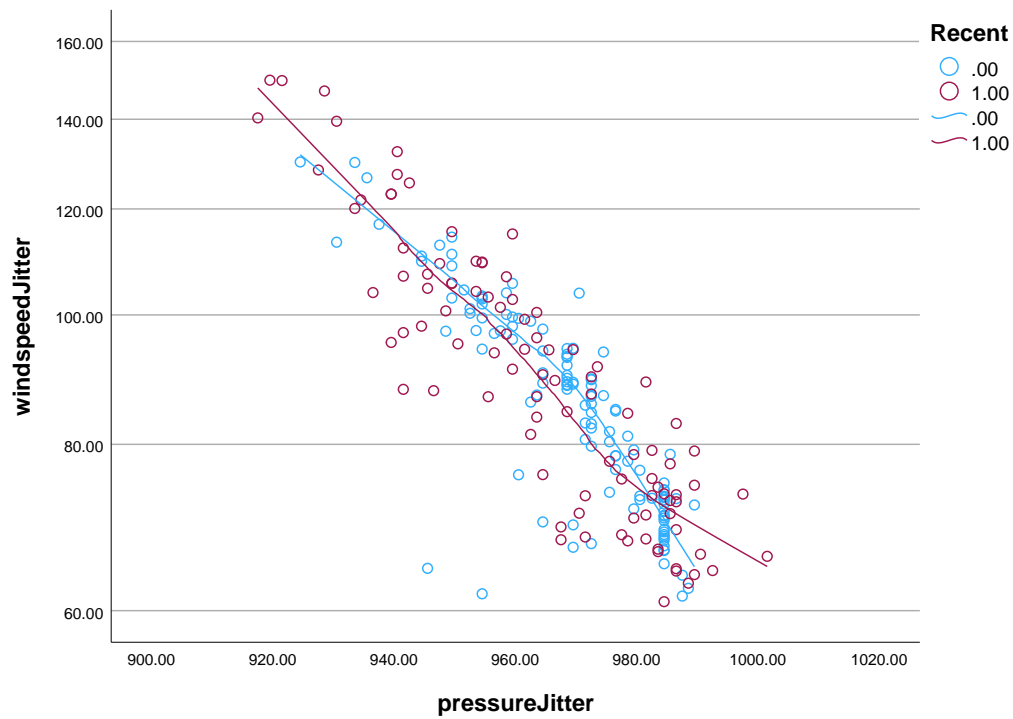
a. Dependent Variable: Max.Wind.Speedkts

Charts





Graph



Regression

Descriptive Statistics

	Mean	Std. Deviation	N
log_Windspeed	1.9378	.08665	220
Central.Pressuremb	967.16	17.043	220

Correlations

		log_Windspeed	Central. Pressuremb
Pearson Correlation	log_Windspeed	1.000	-.892
	Central.Pressuremb	-.892	1.000
Sig. (1-tailed)	log_Windspeed	.	<.001
	Central.Pressuremb	.000	.
N	log_Windspeed	220	220
	Central.Pressuremb	220	220

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Central. Pressuremb ^b	.	Enter

a. Dependent Variable: log_Windspeed

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.892 ^a	.795	.794	.03929

a. Predictors: (Constant), Central.Pressuremb

b. Dependent Variable: log_Windspeed

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.308	1	1.308	847.314	<.001 ^b
	Residual	.336	218	.002		
	Total	1.644	219			

a. Dependent Variable: log_Windspeed

b. Predictors: (Constant), Central.Pressuremb

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	6.323	.151		41.964	<.001
	Central.Pressuremb	-.005	.000	-.892	-29.109	<.001

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	6.026	6.620
	Central.Pressuremb	-.005	-.004

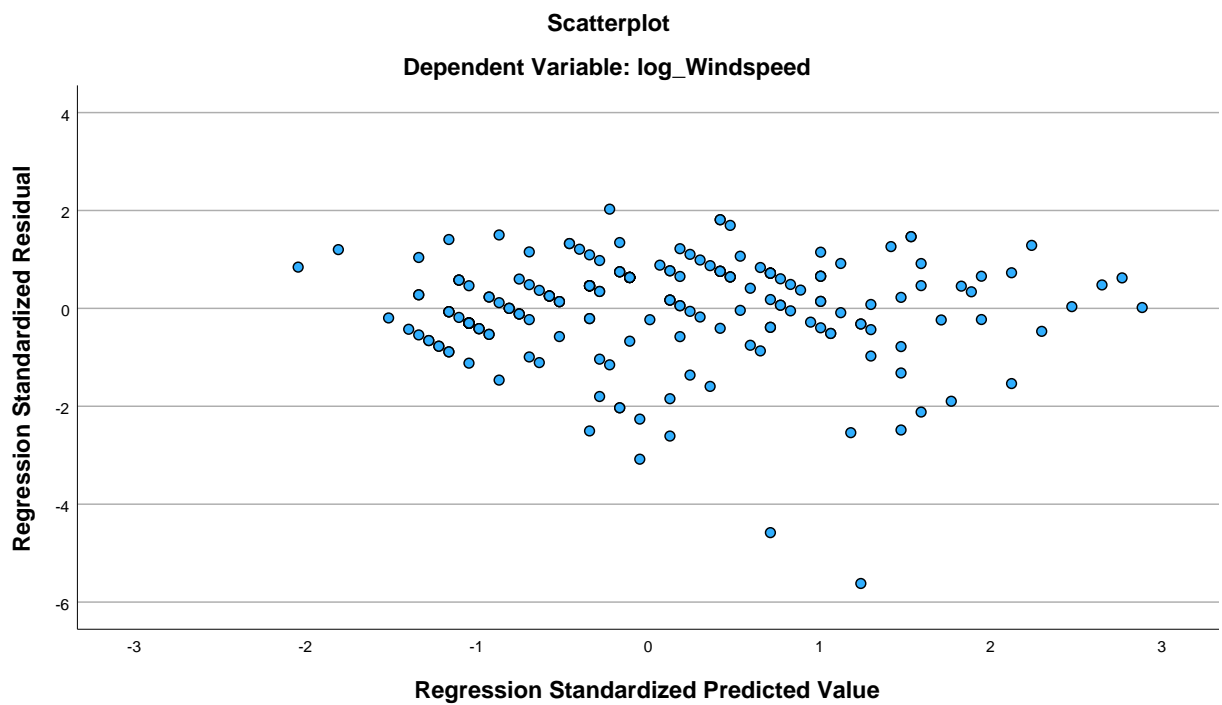
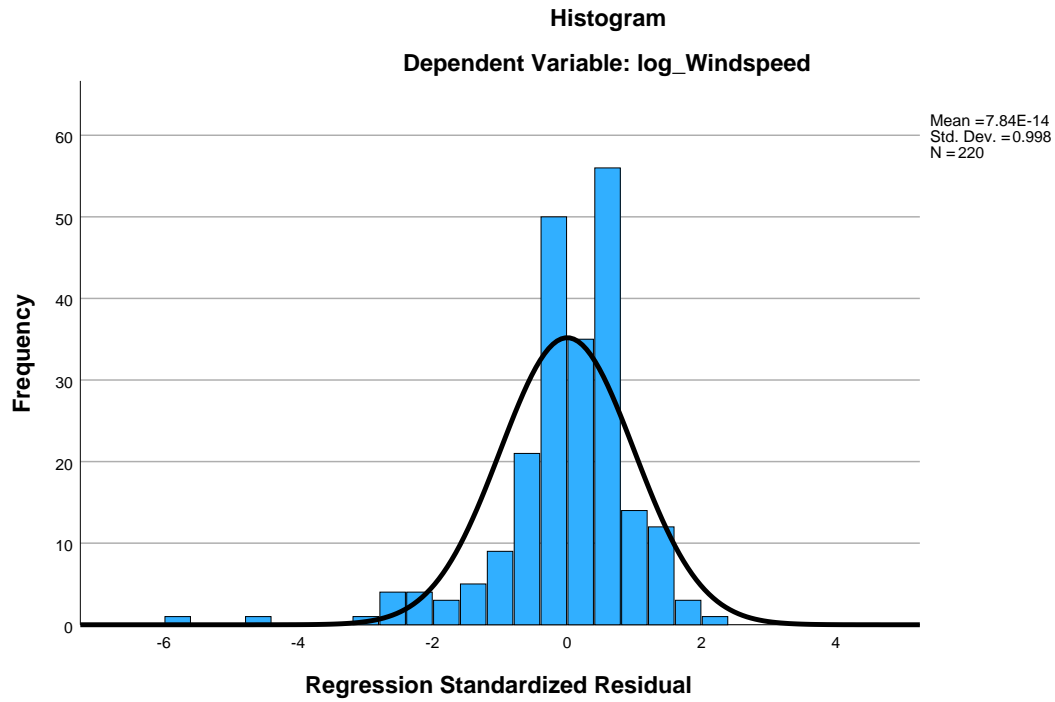
a. Dependent Variable: log_Windspeed

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	1.7798	2.1607	1.9378	.07728	220
Std. Predicted Value	-2.044	2.885	.000	1.000	220
Standard Error of Predicted Value	.003	.008	.004	.001	220
Adjusted Predicted Value	1.7790	2.1607	1.9378	.07728	220
Residual	-.22081	.07964	.00000	.03920	220
Std. Residual	-5.620	2.027	.000	.998	220
Stud. Residual	-5.653	2.032	.000	1.002	220
Deleted Residual	-.22340	.08002	-.00001	.03955	220
Stud. Deleted Residual	-6.105	2.047	-.004	1.023	220
Mahal. Distance	.000	8.322	.995	1.309	220
Cook's Distance	.000	.187	.004	.015	220
Centered Leverage Value	.000	.038	.005	.006	220

a. Dependent Variable: log_Windspeed

Charts



Regression

Descriptive Statistics

	Mean	Std. Deviation	N
Max.Wind.Speedkts	79.44	10.789	152
Central.Pressuremb	976.56	9.331	152

Correlations

		Max.Wind. Speedkts	Central. Pressuremb
Pearson Correlation	Max.Wind.Speedkts	1.000	-.811
	Central.Pressuremb	-.811	1.000
Sig. (1-tailed)	Max.Wind.Speedkts	.	<.001
	Central.Pressuremb	.000	.
N	Max.Wind.Speedkts	152	152
	Central.Pressuremb	152	152

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Central. Pressuremb ^b	.	Enter

a. Dependent Variable: Max.Wind.Speedkts

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.811 ^a	.658	.656	6.330

a. Predictors: (Constant), Central.Pressuremb

b. Dependent Variable: Max.Wind.Speedkts

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	11567.988	1	11567.988	288.744	<.001 ^b
	Residual	6009.479	150	40.063		
	Total	17577.467	151			

a. Dependent Variable: Max.Wind.Speedkts

b. Predictors: (Constant), Central.Pressuremb

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	995.464	53.910		18.465	<.001
	Central.Pressuremb	-.938	.055	-.811	-16.992	<.001

Coefficients^a

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	888.943	1101.985
	Central.Pressuremb	-1.047	-.829

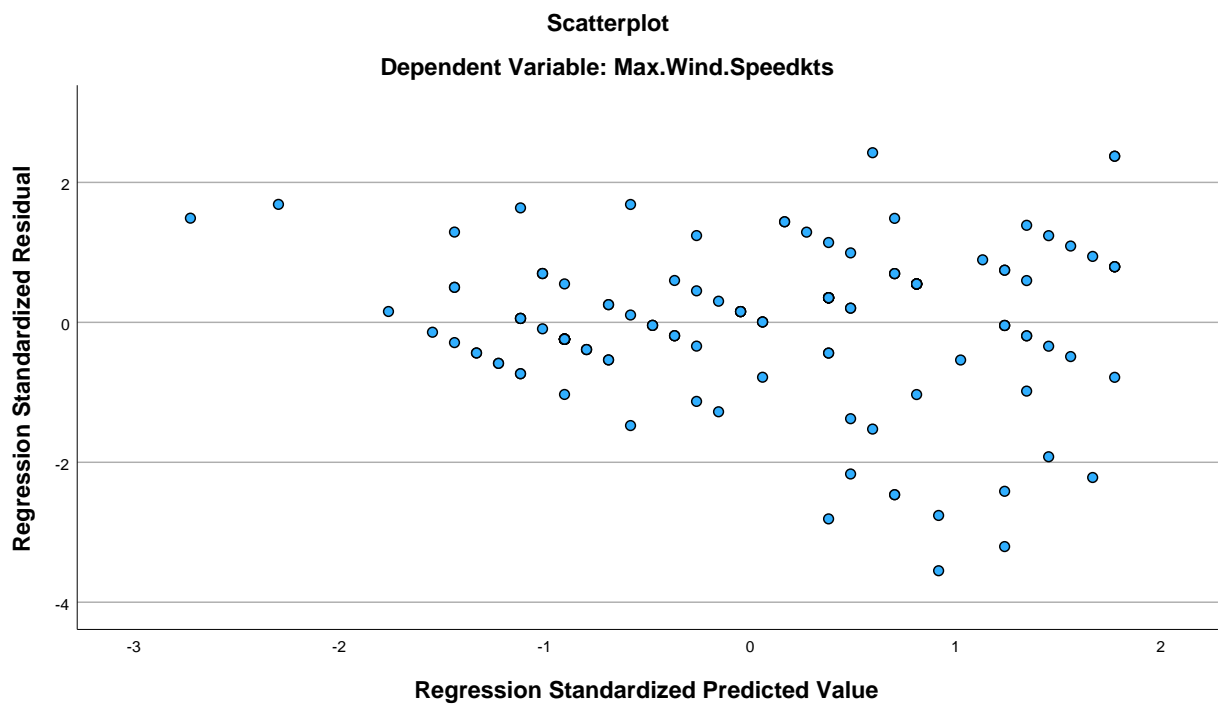
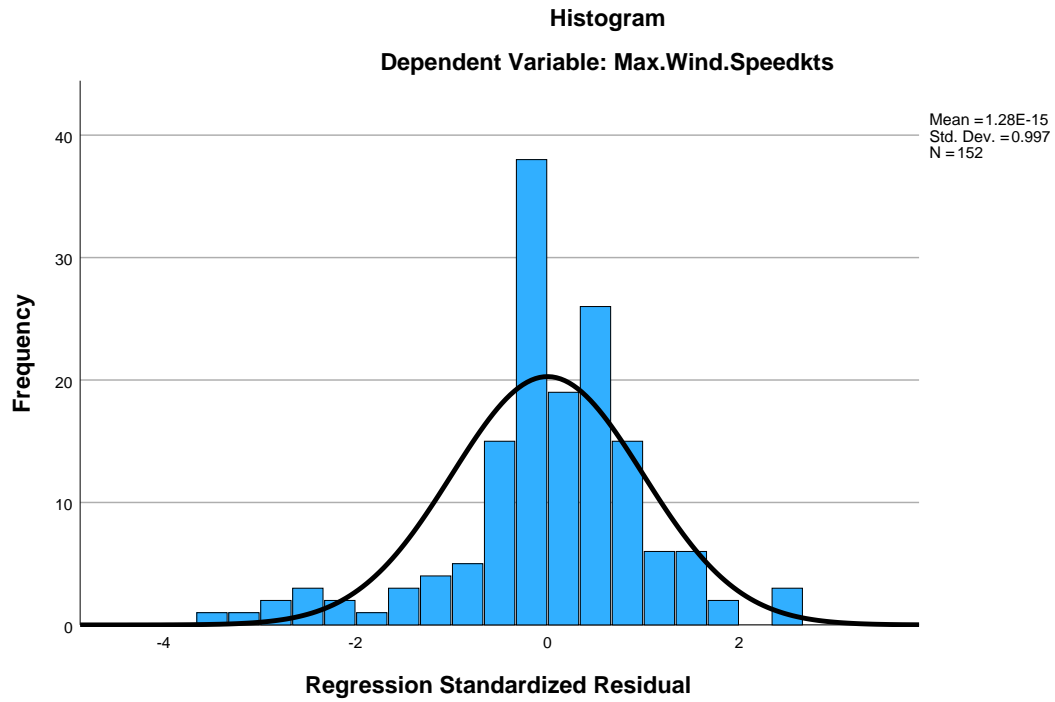
a. Dependent Variable: Max.Wind.Speedkts

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	55.58	94.97	79.44	8.753	152
Std. Predicted Value	-2.726	1.775	.000	1.000	152
Standard Error of Predicted Value	.514	1.495	.707	.167	152
Adjusted Predicted Value	55.02	95.11	79.43	8.761	152
Residual	-22.469	15.345	.000	6.309	152
Std. Residual	-3.550	2.424	.000	.997	152
Stud. Residual	-3.572	2.435	.001	1.004	152
Deleted Residual	-22.746	15.483	.008	6.406	152
Stud. Deleted Residual	-3.722	2.476	-.002	1.018	152
Mahal. Distance	.002	7.434	.993	1.050	152
Cook's Distance	.000	.089	.008	.017	152
Centered Leverage Value	.000	.049	.007	.007	152

a. Dependent Variable: Max.Wind.Speedkts

Charts



Regression

Descriptive Statistics^a

	Mean	Std. Deviation	N
Max.Wind.Speedkts	86.15	15.277	122
Central.Pressuremb	969.49	14.149	122

a. Selecting only cases for which Recent = .00

Correlations^a

		Max.Wind. Speedkts	Central. Pressuremb
Pearson Correlation	Max.Wind.Speedkts	1.000	-.872
	Central.Pressuremb	-.872	1.000
Sig. (1-tailed)	Max.Wind.Speedkts	.	<.001
	Central.Pressuremb	.000	.
N	Max.Wind.Speedkts	122	122
	Central.Pressuremb	122	122

a. Selecting only cases for which Recent = .00

Variables Entered/Removed^{a,b}

Model	Variables Entered	Variables Removed	Method
1	Central. Pressuremb ^c	.	Enter

a. Dependent Variable: Max.Wind.Speedkts

b. Models are based only on cases for which
Recent = .00

c. All requested variables entered.

Model Summary^{b,c}

Model	Recent = .00 (Selected)	R Recent ~ = .00 (Unselected)	R Square	Adjusted R Square	Std. Error of the Estimate
1	.872 ^a	.910	.761	.759	7.497

a. Predictors: (Constant), Central.Pressuremb

b. Unless noted otherwise, statistics are based only on cases for which Recent = .00.

c. Dependent Variable: Max.Wind.Speedkts

ANOVA^{a,b}

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	21494.776	1	21494.776	382.437	<.001 ^c
	Residual	6744.568	120	56.205		
	Total	28239.344	121			

a. Dependent Variable: Max.Wind.Speedkts

b. Selecting only cases for which Recent = .00

c. Predictors: (Constant), Central.Pressuremb

Coefficients^{a,b}

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	999.384	46.703		21.398	<.001
	Central.Pressuremb	-.942	.048	-.872	-19.556	<.001

Coefficients^{a,b}

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	906.914	1091.854
	Central.Pressuremb	-1.037	-.847

a. Dependent Variable: Max.Wind.Speedkts

b. Selecting only cases for which Recent = .00

Residuals Statistics^{a,b}

	Recent = .00 (Selected)				N	Recent ~ = .
	Minimum	Maximum	Mean	Std. Deviation		Minimum
Predicted Value	66.83	128.06	86.15	13.328	122	55.53
Std. Predicted Value	-1.449	3.144	.000	1.000	122	-2.298
Standard Error of Predicted Value	.679	2.248	.921	.270	122	.679
Adjusted Predicted Value	66.75	127.37	86.15	13.323	122	55.53
Residual	-43.276	15.273	.000	7.466	122	-22.553
Std. Residual	-5.772	2.037	.000	.996	122	-3.008
Stud. Residual	-5.864	2.046	.000	1.006	122	-2.996
Deleted Residual	-44.660	15.401	-.005	7.627	122	-22.553
Stud. Deleted Residual	-6.914	2.074	-.014	1.083	122	-2.996
Mahal. Distance	.001	9.888	.992	1.444	122	.001
Cook's Distance	.000	.550	.011	.054	122	.000
Centered Leverage Value	.000	.082	.008	.012	122	.000

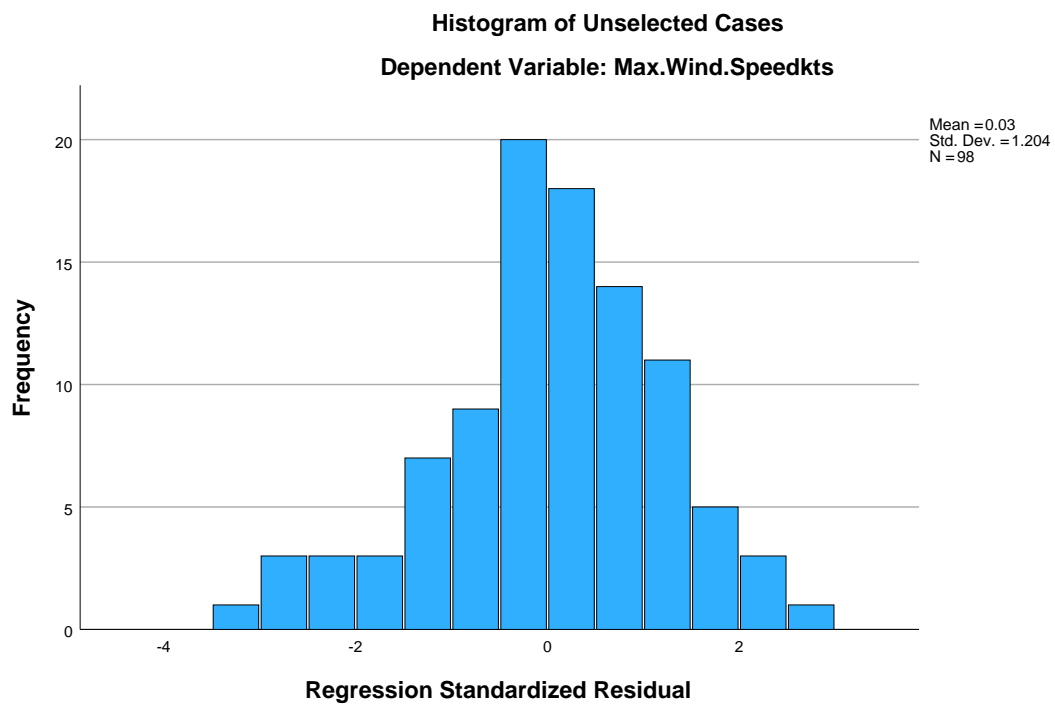
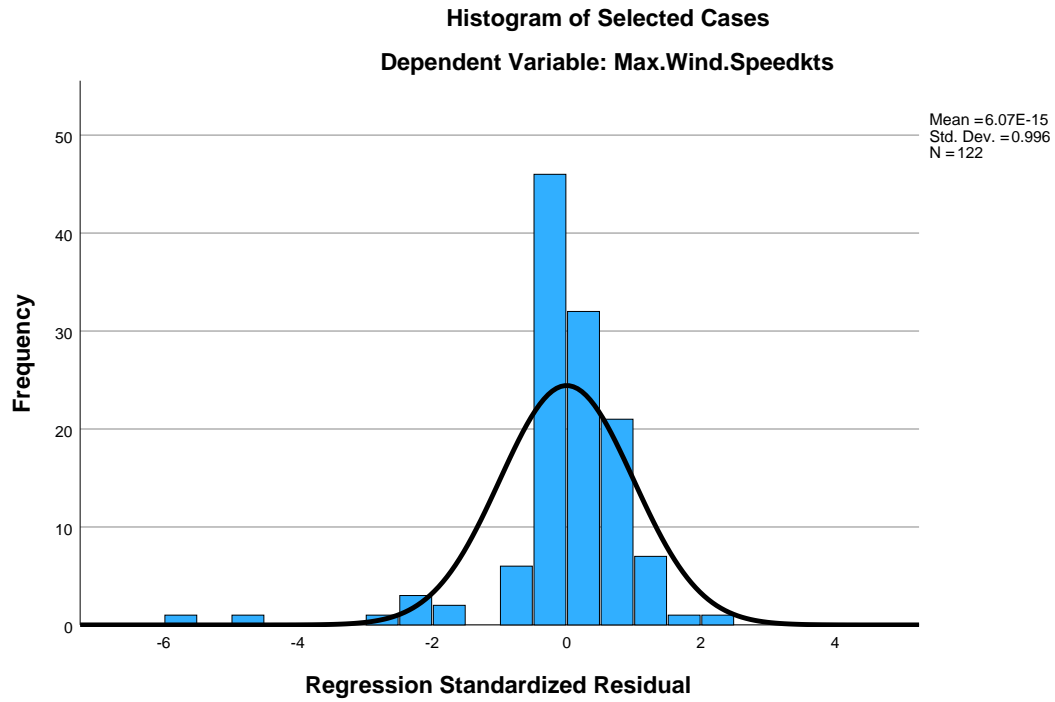
Residuals Statistics^{a,b}

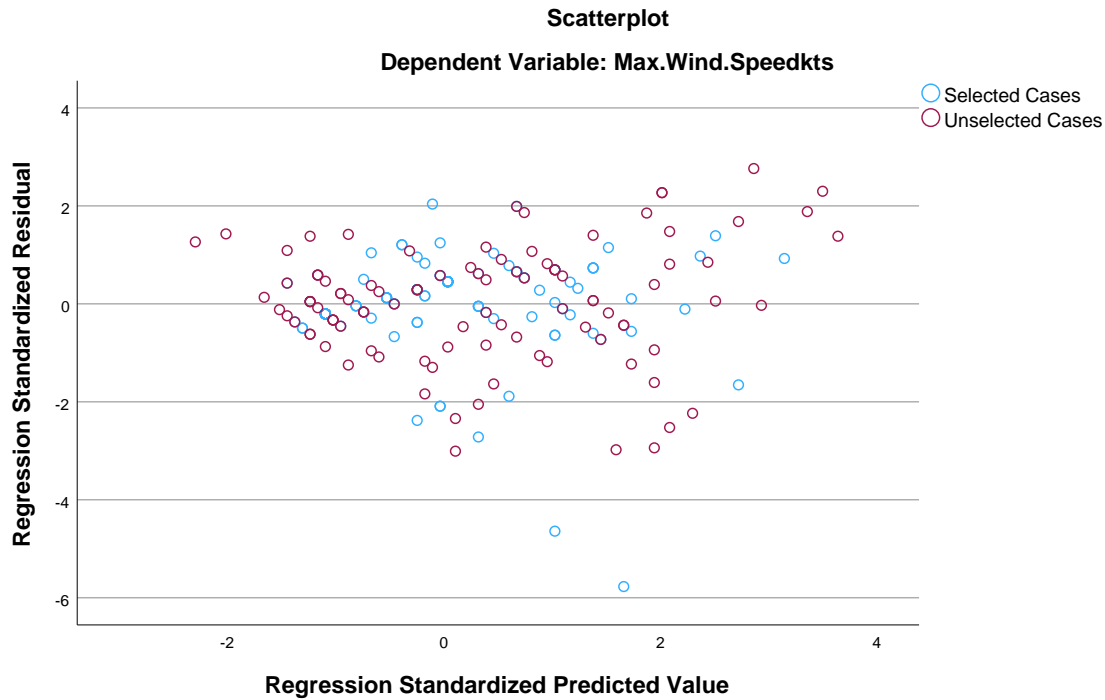
	Recent ~ = .00 (Unselected)			
	Maximum	Mean	Std. Deviation	N
Predicted Value	134.65	91.07	18.620	98
Std. Predicted Value	3.639	.369	1.397	98
Standard Error of Predicted Value	2.571	1.117	.420	98
Adjusted Predicted Value	134.65	91.07	18.620	98
Residual	20.710	.205	9.029	98
Std. Residual	2.762	.027	1.204	98
Stud. Residual	2.663	.023	1.184	98
Deleted Residual	20.710	.205	9.029	98
Stud. Deleted Residual	2.663	.023	1.184	98
Mahal. Distance	11.850	1.968	2.390	98
Cook's Distance	.288	.025	.053	98
Centered Leverage Value	.097	.016	.020	98

a. Dependent Variable: Max.Wind.Speedkts

b. Pooled Cases

Charts





Regression

Descriptive Statistics^a

	Mean	Std. Deviation	N
Max.Wind.Speedkts	91.28	21.626	98
Central.Pressuremb	964.27	19.767	98

a. Selecting only cases for which Recent = 1.00

Correlations^a

		Max.Wind. Speedkts	Central. Pressuremb
Pearson Correlation	Max.Wind.Speedkts	1.000	-.910
	Central.Pressuremb	-.910	1.000
Sig. (1-tailed)	Max.Wind.Speedkts	.	<.001
	Central.Pressuremb	.000	.
N	Max.Wind.Speedkts	98	98
	Central.Pressuremb	98	98

a. Selecting only cases for which Recent = 1.00

Variables Entered/Removed^{a,b}

Model	Variables Entered	Variables Removed	Method
1	Central.Pressuremb ^c	.	Enter

a. Dependent Variable: Max.Wind.Speedkts

b. Models are based only on cases for which
Recent = 1.00

c. All requested variables entered.

Model Summary^{b,c}

Model	R		R Square	Adjusted R Square	Std. Error of the Estimate
	Recent = 1.00 (Selected)	Recent ~= 1.00 (Unselected)			
1	.910 ^a	.872	.828	.826	9.014

a. Predictors: (Constant), Central.Pressuremb

b. Unless noted otherwise, statistics are based only on cases for which Recent = 1.00.

c. Dependent Variable: Max.Wind.Speedkts

ANOVA^{a,b}

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	37565.969	1	37565.969	462.375	<.001 ^c
	Residual	7799.593	96	81.246		
	Total	45365.561	97			

a. Dependent Variable: Max.Wind.Speedkts

b. Selecting only cases for which Recent = 1.00

c. Predictors: (Constant), Central.Pressuremb

Coefficients^{a,b}

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1051.268	44.654		23.542	<.001
	Central.Pressuremb	-.996	.046	-.910	-21.503	<.001

Coefficients^{a,b}

Model		95.0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	962.631	1139.906
	Central.Pressuremb	-1.087	-.904

a. Dependent Variable: Max.Wind.Speedkts

b. Selecting only cases for which Recent = 1.00

Residuals Statistics^{a,b}

	Recent = 1.00 (Selected)					Recent ~ = .
	Minimum	Maximum	Mean	Std. Deviation	N	Minimum
Predicted Value	53.71	137.34	91.28	19.679	98	65.65
Std. Predicted Value	-1.909	2.341	.000	1.000	98	-1.302
Standard Error of Predicted Value	.911	2.328	1.250	.312	98	.911
Adjusted Predicted Value	53.14	136.79	91.24	19.652	98	65.65
Residual	-23.464	18.615	.000	8.967	98	-44.460
Std. Residual	-2.603	2.065	.000	.995	98	-4.933
Stud. Residual	-2.632	2.111	.002	1.006	98	-4.886
Deleted Residual	-24.001	19.452	.033	9.176	98	-44.460
Stud. Deleted Residual	-2.718	2.151	-.001	1.019	98	-4.886
Mahal. Distance	.000	5.478	.990	1.087	98	.000
Cook's Distance	.000	.100	.012	.021	98	.000
Centered Leverage Value	.000	.056	.010	.011	98	.000

Residuals Statistics^{a,b}

Recent ~ = 1.00 (Unselected)

	Maximum	Mean	Std. Deviation	N
Predicted Value	130.37	86.07	14.087	122
Std. Predicted Value	1.986	-.264	.716	122
Standard Error of Predicted Value	2.033	1.127	.208	122
Adjusted Predicted Value	130.37	86.07	14.087	122
Residual	15.429	.075	7.504	122
Std. Residual	1.712	.008	.833	122
Stud. Residual	1.702	.008	.826	122
Deleted Residual	15.429	.075	7.504	122
Stud. Deleted Residual	1.702	.008	.826	122
Mahal. Distance	3.755	.565	.611	122
Cook's Distance	.305	.006	.030	122
Centered Leverage Value	.038	.006	.006	122

a. Dependent Variable: Max.Wind.Speedkts

b. Pooled Cases

Charts

Histogram of Selected Cases
Dependent Variable: Max.Wind.Speedkts

