Table of TYPE by SEX			
TYPE(TYPE)	**SEX(SEX)**		
Frequency **Percent** **Row Pct** **Col Pct**	**Male**	**Female**	**Total**
Non-shocked	20 17.86 60.61 34.48	13 11.61 39.39 24.07	33 29.46
Hypovolemi	9 8.04 52.94 15.52	8 7.14 47.06 14.81	17 15.18
Cardiogenic	10 8.93 50.00 17.24	10 8.93 50.00 18.52	20 17.86
Bacterial	10 8.93 62.50 17.24	6 5.36 37.50 11.11	16 14.29
Neurogenic	5 4.46 31.25 8.62	11 9.82 68.75 20.37	16 14.29
Other	4 3.57 40.00 6.90	6 5.36 60.00 11.11	10 8.93
Total	58 51.79	54 48.21	112 100.00

Statistics for Table of TYPE by SEX

Statistic	DF	Value	Prob
Chi-Square	5	5.0573	0.4089
Likelihood Ratio Chi-Square	5	5.1315	0.4000
Mantel-Haenszel Chi-Square	1	2.5859	0.1078
Phi Coefficient		0.2125	
Contingency Coefficient		0.2079	
Cramer's V		0.2125	

Fisher's Exact Test	
Table Probability (P)	<.0001

Fisher's Exact Test	
Pr <= P	0.4175

Sample Size = 112

Calculation and Test of Correlations, 95% CI

2 Variables:	SBP BSI

Simple Statistics							
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**	**Label**
SBP	112	105.93750	30.64245	11865	26.00000	171.00000	Systolic pressure (mm Hg)
BSI	112	1.68643	0.19221	188.88000	1.09000	2.25000	Body surface index (m2)

Pearson Correlation Coefficients, N = 112 Prob > |r| under H0: Rho=0		
	SBP	**BSI**
SBP **Systolic pressure (mm Hg)**	1.00000	0.23610 0.0122
BSI **Body surface index (m2)**	0.23610 0.0122	1.00000

Pearson Correlation Statistics (Fisher's z Transformation)										
									H0:Rho=Rho0	
Variable	**With Variable**	**N**	**Sample Correlation**	**Fisher's z**	**Bias Adjustment**	**Correlation Estimate**	**95% Confidence Limits**		**Rho0**	**p Value**
SBP	**BSI**	112	0.23610	0.24064	0.00106	0.23509	0.051797	0.403066	0	0.0120

Calculation and Test of Correlations, 95% CI

Variable: SBP (Systolic pressure (mm Hg))
TYPE = Non-shocked

Moments			
N	33	**Sum Weights**	33
Mean	127.151515	**Sum Observations**	4196
Std Deviation	23.6525913	**Variance**	559.445076
Skewness	-0.1171488	**Kurtosis**	-0.6743223
Uncorrected SS	551430	**Corrected SS**	17902.2424
Coeff Variation	18.601895	**Std Error Mean**	4.11738765

Basic Statistical Measures			
Location		**Variability**	
Mean	127.1515	**Std Deviation**	23.65259
Median	124.0000	**Variance**	559.44508
Mode	114.0000	**Range**	97.00000
		Interquartile Range	34.00000

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

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	30.8816	**Pr > |t|**	<.0001
Sign	**M**	16.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	280.5	**Pr >= |S|**	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.97583	**Pr < W**	0.6554
Kolmogorov-Smirnov	**D**	0.120576	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.068011	**Pr > W-Sq**	>0.2500
Anderson-Darling	**A-Sq**	0.364524	**Pr > A-Sq**	>0.2500

Quantiles (Definition 5)

Level	Quantile
100% Max	171
99%	171
95%	166
90%	154
75% Q3	146
50% Median	124
25% Q1	112
10%	97
5%	91
1%	74
0% Min	74

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
74	77	153	58
91	100	154	26
95	17	159	60
97	111	166	110
102	96	171	57

Calculation and Test of Correlations, 95% CI

Variable: SBP (Systolic pressure (mm Hg))
TYPE = Hypovolemi

Moments			
N	17	**Sum Weights**	17
Mean	91.9411765	**Sum Observations**	1563
Std Deviation	30.9262643	**Variance**	956.433824
Skewness	0.02597681	**Kurtosis**	0.170497
Uncorrected SS	159007	**Corrected SS**	15302.9412
Coeff Variation	33.6370117	**Std Error Mean**	7.50072084

Basic Statistical Measures			
Location		**Variability**	
Mean	91.94118	**Std Deviation**	30.92626
Median	85.00000	**Variance**	956.43382
Mode	.	**Range**	124.00000
		Interquartile Range	32.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	12.25765	**Pr > |t|**	<.0001
Sign	**M**	8.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	76.5	**Pr >= |S|**	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.973499	**Pr < W**	0.8763
Kolmogorov-Smirnov	**D**	0.118205	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.038732	**Pr > W-Sq**	>0.2500
Anderson-Darling	**A-Sq**	0.25142	**Pr > A-Sq**	>0.2500

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	150

Quantiles (Definition 5)	
Level	**Quantile**
99%	150
95%	150
90%	136
75% Q3	106
50% Median	85
25% Q1	74
10%	63
5%	26
1%	26
0% Min	26

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
26	29	106	46
63	62	122	80
67	104	129	74
68	16	136	70
74	64	150	63

Calculation and Test of Correlations, 95% CI

Variable: SBP (Systolic pressure (mm Hg))
TYPE = Cardiogenic

Moments			
N	20	**Sum Weights**	20
Mean	102.65	**Sum Observations**	2053
Std Deviation	32.3765266	**Variance**	1048.23947
Skewness	0.25951463	**Kurtosis**	-1.0799289
Uncorrected SS	230657	**Corrected SS**	19916.55
Coeff Variation	31.5406981	**Std Error Mean**	7.23961143

Basic Statistical Measures			
Location		**Variability**	
Mean	102.6500	**Std Deviation**	32.37653
Median	100.0000	**Variance**	1048
Mode	62.0000	**Range**	106.00000
		Interquartile Range	53.00000

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

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	14.17894	**Pr > |t|**	<.0001
Sign	**M**	10	**Pr >= |M|**	<.0001
Signed Rank	**S**	105	**Pr >= |S|**	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.944507	**Pr < W**	0.2913
Kolmogorov-Smirnov	**D**	0.145687	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.063811	**Pr > W-Sq**	>0.2500
Anderson-Darling	**A-Sq**	0.405607	**Pr > A-Sq**	>0.2500

Quantiles (Definition 5)

Level	Quantile
100% Max	158.0
99%	158.0
95%	154.5
90%	148.0
75% Q3	134.0
50% Median	100.0
25% Q1	81.0
10%	62.0
5%	57.0
1%	52.0
0% Min	52.0

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
52	44	137	82
62	4	144	99
62	1	145	36
67	68	151	33
80	3	158	109

Calculation and Test of Correlations, 95% CI

Variable: SBP (Systolic pressure (mm Hg))
TYPE = Bacterial

Moments			
N	16	**Sum Weights**	16
Mean	94.0625	**Sum Observations**	1505
Std Deviation	17.8791079	**Variance**	319.6625
Skewness	-0.0876388	**Kurtosis**	0.48261958
Uncorrected SS	146359	**Corrected SS**	4794.9375
Coeff Variation	19.0076895	**Std Error Mean**	4.46977698

Basic Statistical Measures			
Location		**Variability**	
Mean	94.06250	**Std Deviation**	17.87911
Median	93.50000	**Variance**	319.66250
Mode	.	**Range**	72.00000
		Interquartile Range	18.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	21.04411	**Pr > |t|**	<.0001
Sign	**M**	8	**Pr >= |M|**	<.0001
Signed Rank	**S**	68	**Pr >= |S|**	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.98244	**Pr < W**	0.9799
Kolmogorov-Smirnov	**D**	0.121078	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.029775	**Pr > W-Sq**	>0.2500
Anderson-Darling	**A-Sq**	0.195784	**Pr > A-Sq**	>0.2500

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	128.0

Quantiles (Definition 5)	
Level	**Quantile**
99%	128.0
95%	128.0
90%	118.0
75% Q3	102.0
50% Median	93.5
25% Q1	84.0
10%	72.0
5%	56.0
1%	56.0
0% Min	56.0

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
56	106	101	24
72	81	103	51
80	112	116	55
82	66	118	38
86	94	128	6

Calculation and Test of Correlations, 95% CI

Variable: SBP (Systolic pressure (mm Hg))
TYPE = Neurogenic

Moments			
N	16	**Sum Weights**	16
Mean	95.4375	**Sum Observations**	1527
Std Deviation	28.5306122	**Variance**	813.995833
Skewness	0.15800578	**Kurtosis**	0.65942673
Uncorrected SS	157943	**Corrected SS**	12209.9375
Coeff Variation	29.8945511	**Std Error Mean**	7.13265305

Basic Statistical Measures			
Location		**Variability**	
Mean	95.43750	**Std Deviation**	28.53061
Median	94.00000	**Variance**	813.99583
Mode	.	**Range**	113.00000
		Interquartile Range	28.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	13.38036	**Pr > |t|**	<.0001
Sign	**M**	8	**Pr >= |M|**	<.0001
Signed Rank	**S**	68	**Pr >= |S|**	<.0001

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.970363	**Pr < W**	0.8445
Kolmogorov-Smirnov	**D**	0.11738	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.032888	**Pr > W-Sq**	>0.2500
Anderson-Darling	**A-Sq**	0.239082	**Pr > A-Sq**	>0.2500

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	158.0

Quantiles (Definition 5)	
Level	**Quantile**
99%	158.0
95%	158.0
90%	126.0
75% Q3	108.5
50% Median	94.0
25% Q1	80.5
10%	48.0
5%	45.0
1%	45.0
0% Min	45.0

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
45	61	107	49
48	69	110	88
71	41	125	40
78	86	126	9
83	97	158	53

Calculation and Test of Correlations, 95% CI

Variable: SBP (Systolic pressure (mm Hg))
TYPE = Other

Moments			
N	10	**Sum Weights**	10
Mean	102.1	**Sum Observations**	1021
Std Deviation	35.7971135	**Variance**	1281.43333
Skewness	0.10931815	**Kurtosis**	-1.3922836
Uncorrected SS	115777	**Corrected SS**	11532.9
Coeff Variation	35.0608359	**Std Error Mean**	11.3200412

Basic Statistical Measures			
Location		**Variability**	
Mean	102.1000	**Std Deviation**	35.79711
Median	101.0000	**Variance**	1281
Mode	.	**Range**	98.00000
		Interquartile Range	64.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	9.019402	**Pr > |t|**	<.0001
Sign	**M**	5	**Pr >= |M|**	0.0020
Signed Rank	**S**	27.5	**Pr >= |S|**	0.0020

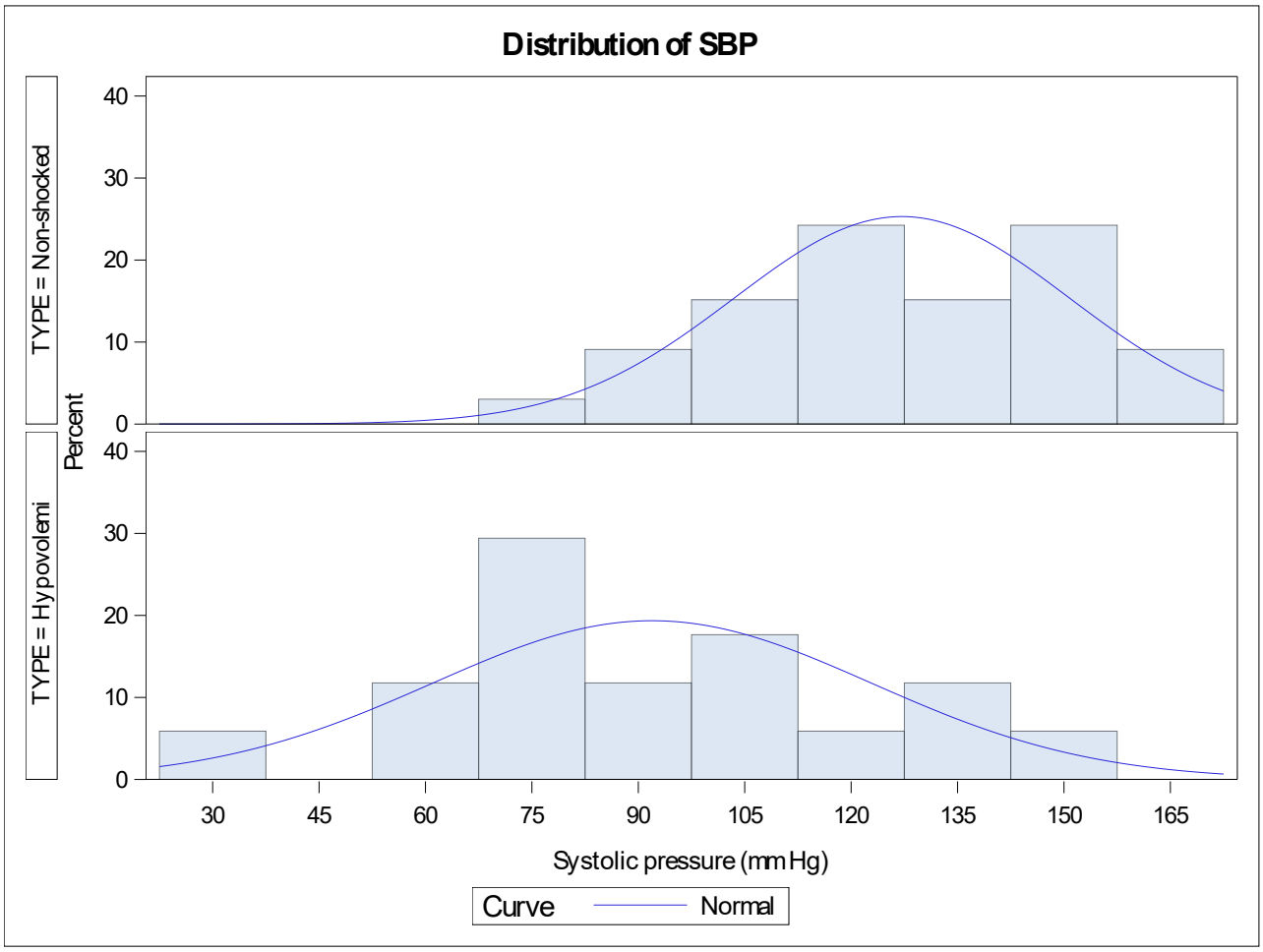
Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.933281	**Pr < W**	0.4809
Kolmogorov-Smirnov	**D**	0.132324	**Pr > D**	>0.1500
Cramer-von Mises	**W-Sq**	0.034339	**Pr > W-Sq**	>0.2500
Anderson-Darling	**A-Sq**	0.254872	**Pr > A-Sq**	>0.2500

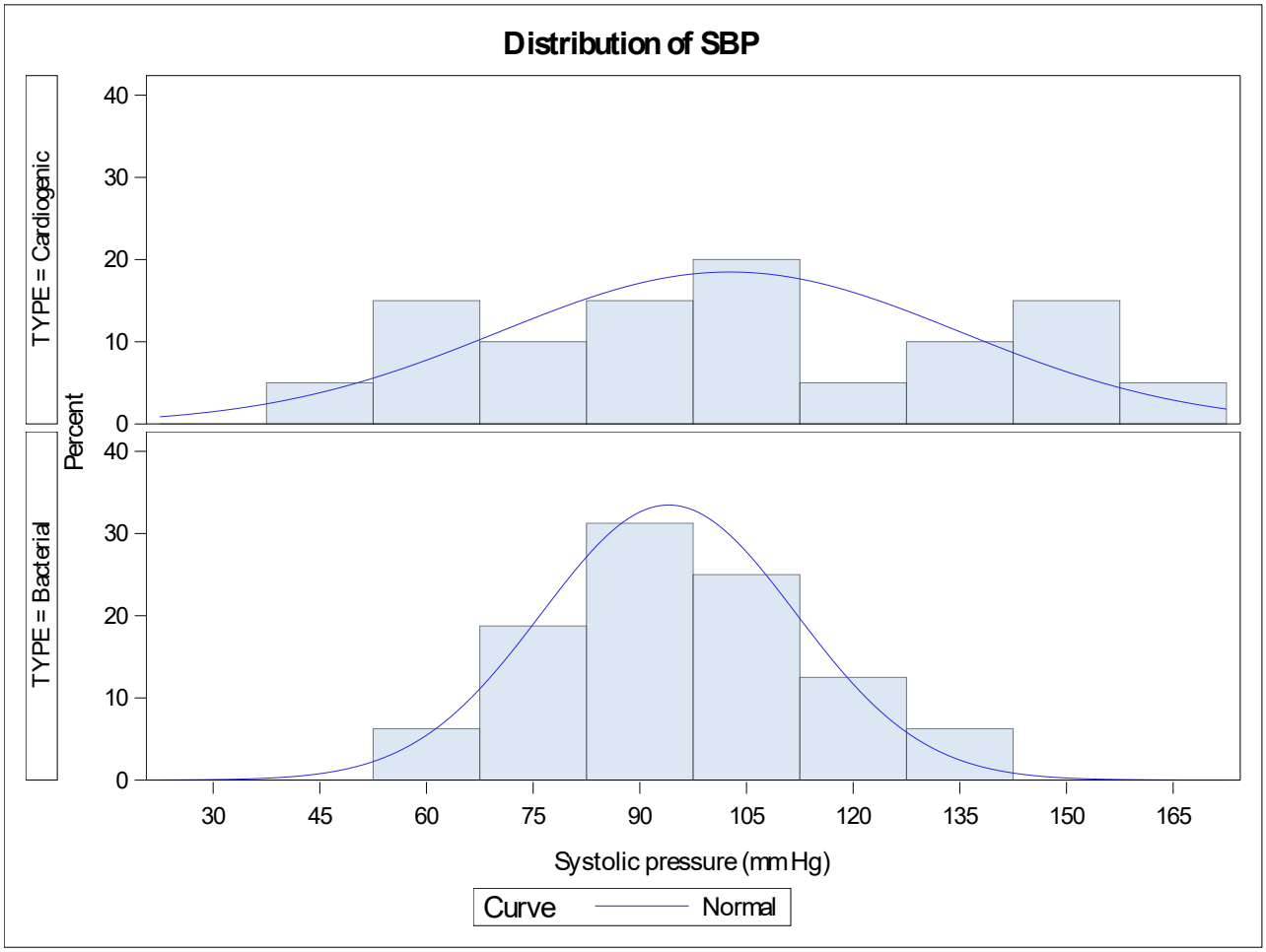
Quantiles (Definition 5)	
Level	**Quantile**
100% Max	153

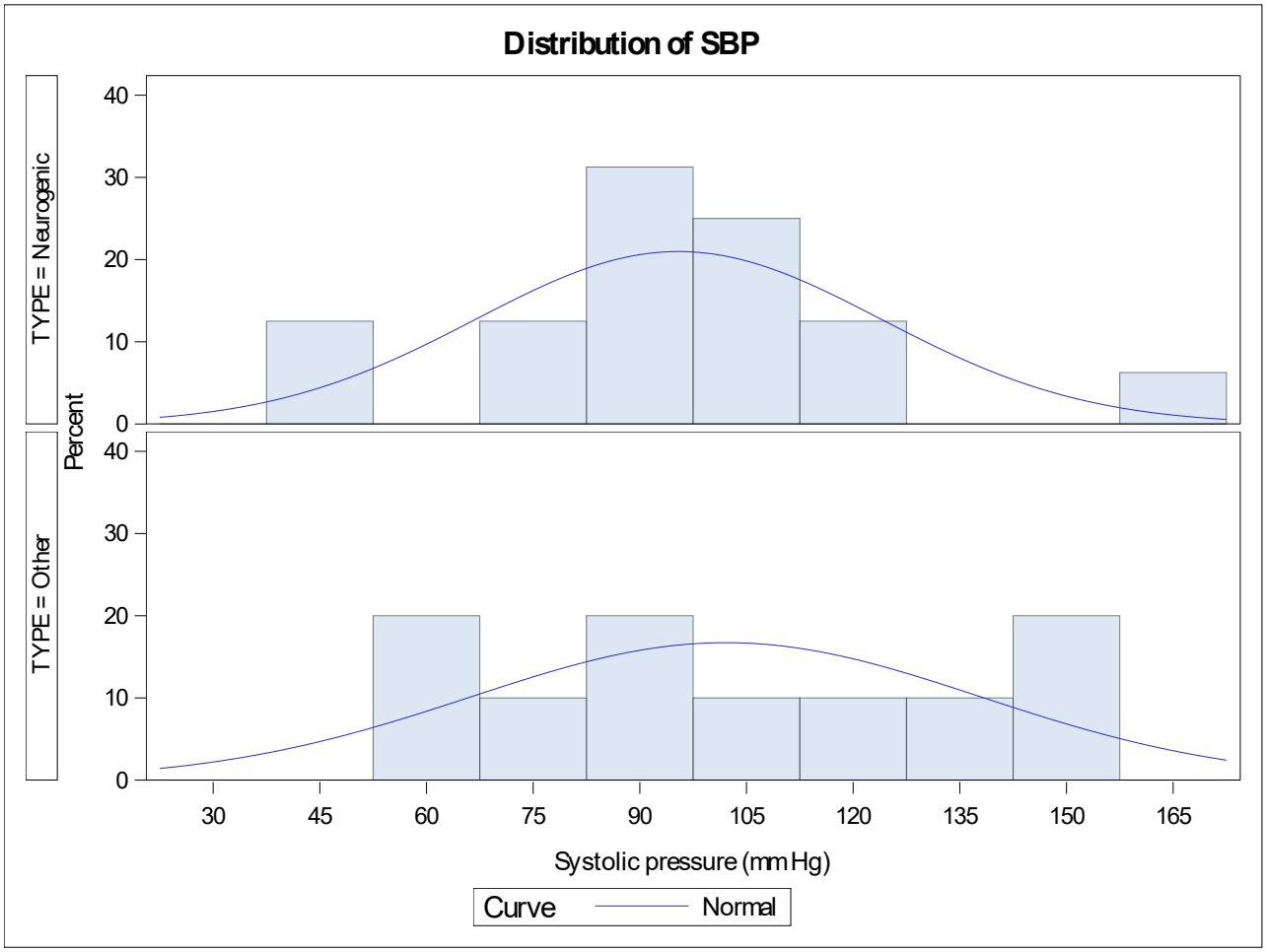
Quantiles (Definition 5)	
Level	**Quantile**
99%	153
95%	153
90%	151
75% Q3	132
50% Median	101
25% Q1	68
10%	57
5%	55
1%	55
0% Min	55

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
55	72	112	30
59	45	115	54
68	56	132	93
88	22	149	37
90	71	153	98

Calculation and Test of Correlations, 95% CI




Distribution of SBP
TYPE = Cardiogenic
TYPE = Bacterial
Percent
40
30
20
10
0
30
45
60
75
90
105
120
135
150
165
Systolic pressure (mm Hg)
Curve
Normal


Distribution of SBP
TYPE = Neurogenic
TYPE = Other
Percent
0
10
20
30
40
30
45
60
75
90
105
120
135
150
165
Systolic pressure (mm Hg)
Curve
Normal

Calculation and Test of Correlations, 95% CI

TYPE = Non-shocked
Fitted Normal Distribution for SBP (Systolic pressure (mm Hg))

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	127.1515
Std Dev	Sigma	23.65259

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12057552	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06801134	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.36452408	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	74.0000	72.1274
5.0	91.0000	88.2465
10.0	97.0000	96.8395
25.0	112.0000	111.1981
50.0	124.0000	127.1515
75.0	146.0000	143.1049
90.0	154.0000	157.4635
95.0	166.0000	166.0566
99.0	171.0000	182.1757

Calculation and Test of Correlations, 95% CI

TYPE = Hypovolemi
Fitted Normal Distribution for SBP (Systolic pressure (mm Hg))

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	91.94118
Std Dev	Sigma	30.92626

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11820537	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03873174	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25142025	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	26.0000	19.9959
5.0	26.0000	41.0720
10.0	63.0000	52.3076
25.0	74.0000	71.0817
50.0	85.0000	91.9412
75.0	106.0000	112.8006
90.0	136.0000	131.5748
95.0	150.0000	142.8104
99.0	150.0000	163.8864

Calculation and Test of Correlations, 95% CI

TYPE = Cardiogenic
Fitted Normal Distribution for SBP (Systolic pressure (mm Hg))

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	102.65
Std Dev	Sigma	32.37653

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.14568740	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.06381135	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.40560683	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	52.0000	27.3309
5.0	57.0000	49.3954
10.0	62.0000	61.1578
25.0	81.0000	80.8124
50.0	100.0000	102.6500
75.0	134.0000	124.4876
90.0	148.0000	144.1422
95.0	154.5000	155.9046
99.0	158.0000	177.9691

Calculation and Test of Correlations, 95% CI

TYPE = Bacterial
Fitted Normal Distribution for SBP (Systolic pressure (mm Hg))

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	94.0625
Std Dev	Sigma	17.87911

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.12107799	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.02977543	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.19578428	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	56.0000	52.4695
5.0	56.0000	64.6540
10.0	72.0000	71.1495
25.0	84.0000	82.0032
50.0	93.5000	94.0625
75.0	102.0000	106.1218
90.0	118.0000	116.9755
95.0	128.0000	123.4710
99.0	128.0000	135.6555

Calculation and Test of Correlations, 95% CI

TYPE = Neurogenic
Fitted Normal Distribution for SBP (Systolic pressure (mm Hg))

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	95.4375
Std Dev	Sigma	28.53061

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.11737979	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03288829	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.23908234	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	45.0000	29.0654
5.0	45.0000	48.5088
10.0	48.0000	58.8740
25.0	80.5000	76.1939
50.0	94.0000	95.4375
75.0	108.5000	114.6811
90.0	126.0000	132.0010
95.0	158.0000	142.3662
99.0	158.0000	161.8096

Calculation and Test of Correlations, 95% CI

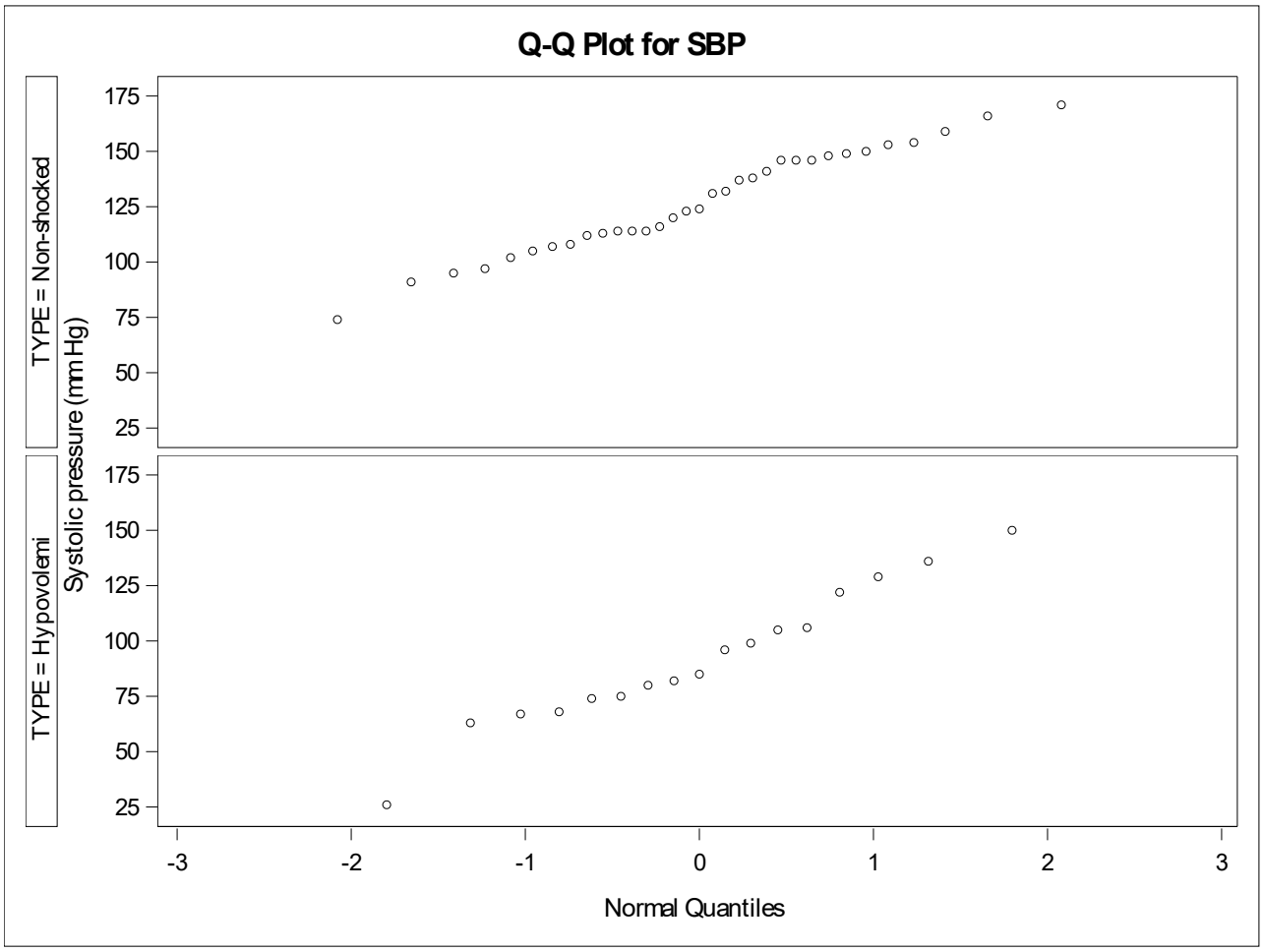
TYPE = Other
Fitted Normal Distribution for SBP (Systolic pressure (mm Hg))

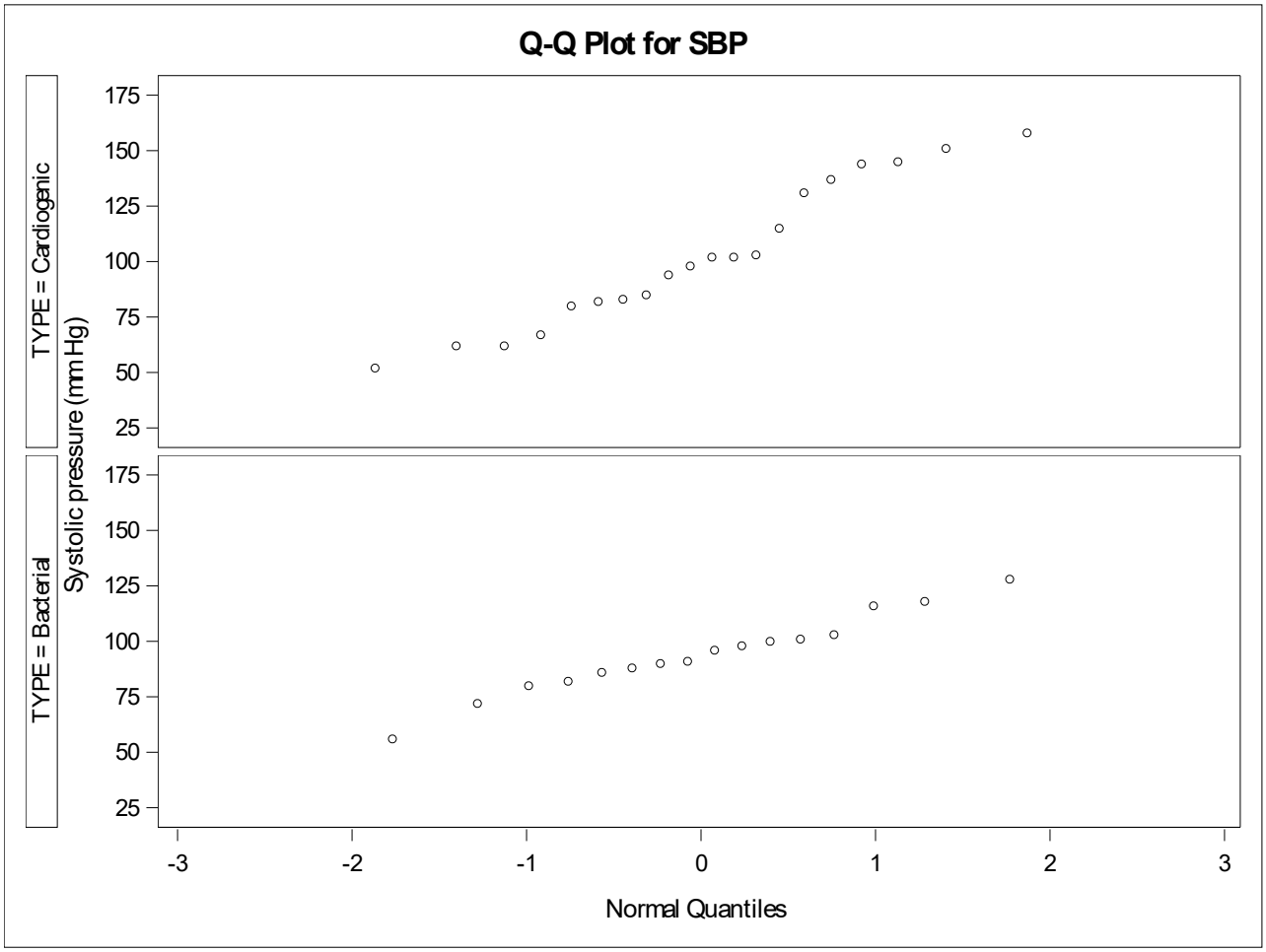
Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	102.1
Std Dev	Sigma	35.79711

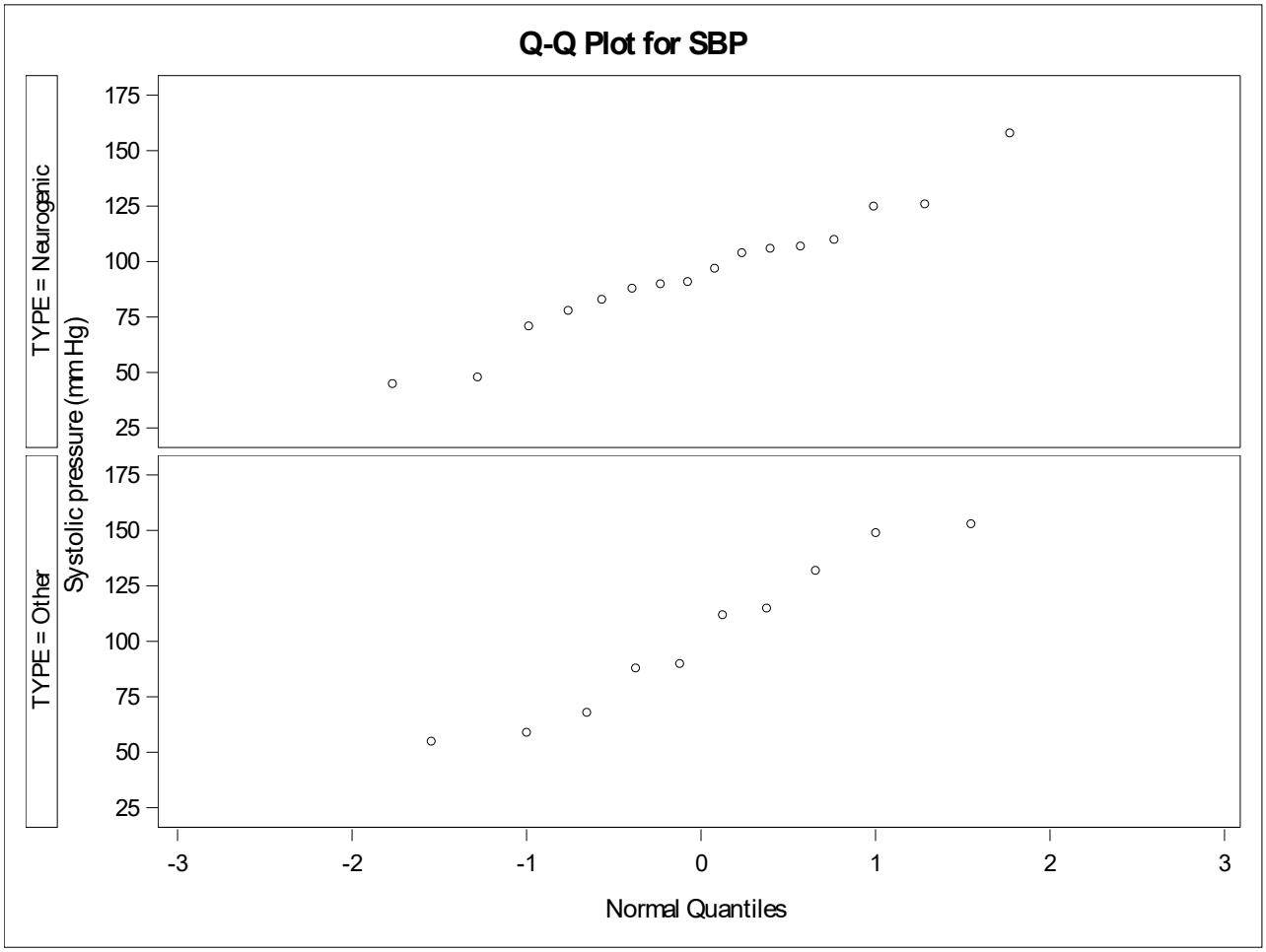
Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.13232447	**Pr > D**	>0.150
Cramer-von Mises	**W-Sq**	0.03433933	**Pr > W-Sq**	>0.250
Anderson-Darling	**A-Sq**	0.25487231	**Pr > A-Sq**	>0.250

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	55.0000	18.8235
5.0	55.0000	43.2190
10.0	57.0000	56.2242
25.0	68.0000	77.9552
50.0	101.0000	102.1000
75.0	132.0000	126.2448
90.0	151.0000	147.9758
95.0	153.0000	160.9810
99.0	153.0000	185.3765

Calculation and Test of Correlations, 95% CI




Q-Q Plot for SBP
TYPE = Cardiogenic
TYPE = Bacterial
Systolic pressure (mmHg)
175
150
125
100
75
50
25
-3
-2
-1
0
1
2
3
Normal Quantiles


Q-Q Plot for SBP
TYPE = Neurogenic
TYPE = Other
Systolic pressure (mmHg)
175
150
125
100
75
50
25
-3
-2
-1
0
1
2
3
Normal Quantiles

Calculation and Test of Correlations, 95% CI

Class Level Information		
Class	**Levels**	**Values**
TYPE	6	Bacterial Cardiogenic Hypovolemi Neurogenic Non-shocked Other

Number of Observations Read	112
Number of Observations Used	112

Calculation and Test of Correlations, 95% CI

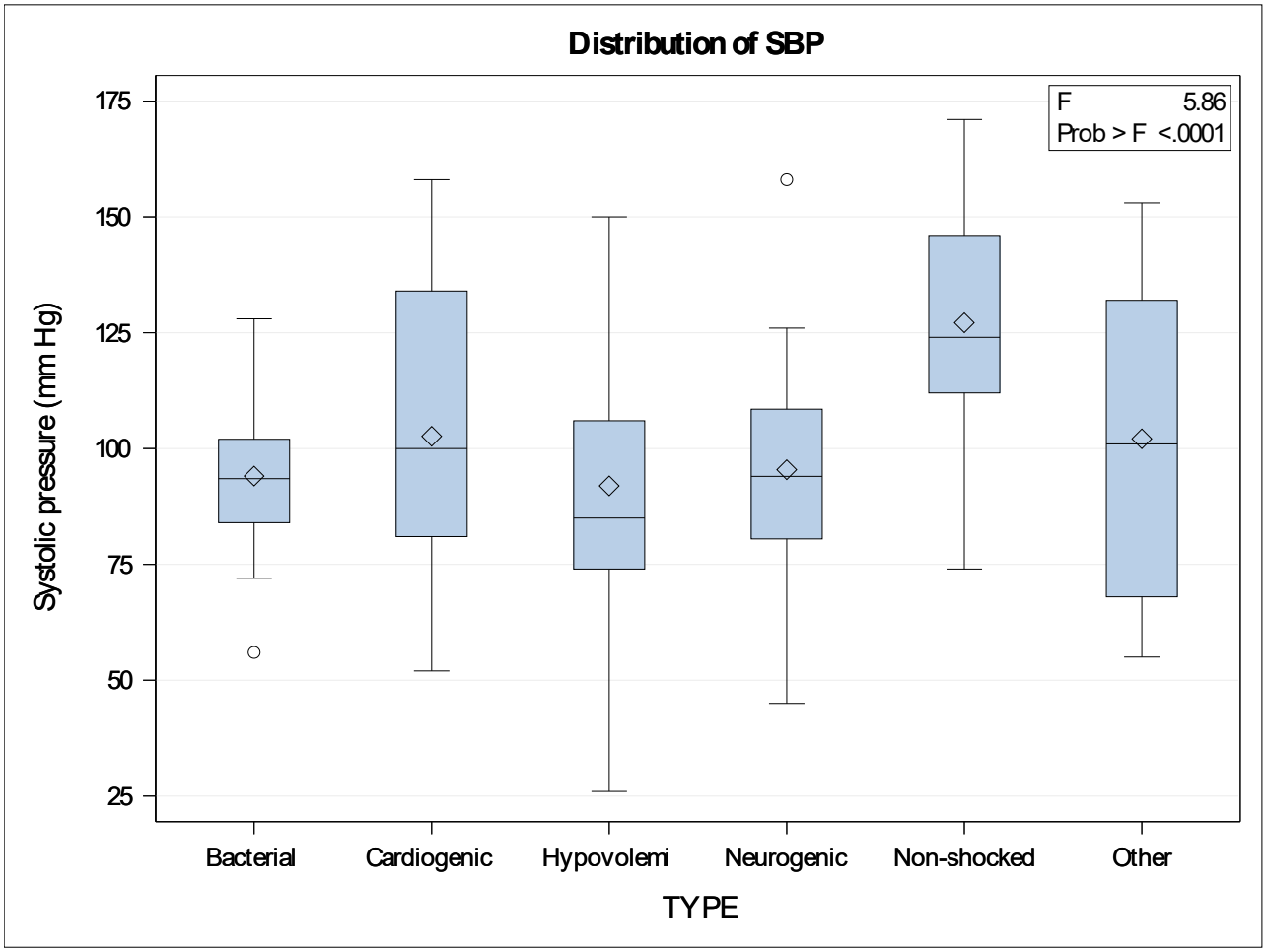
Dependent Variable: SBP Systolic pressure (mm Hg)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	22565.0539	4513.0108	5.86	<.0001
Error	106	81659.5086	770.3727		
Corrected Total	111	104224.5625			

R-Square	Coeff Var	Root MSE	SBP Mean
0.216504	26.19997	27.75559	105.9375

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TYPE	5	22565.05390	4513.01078	5.86	<.0001

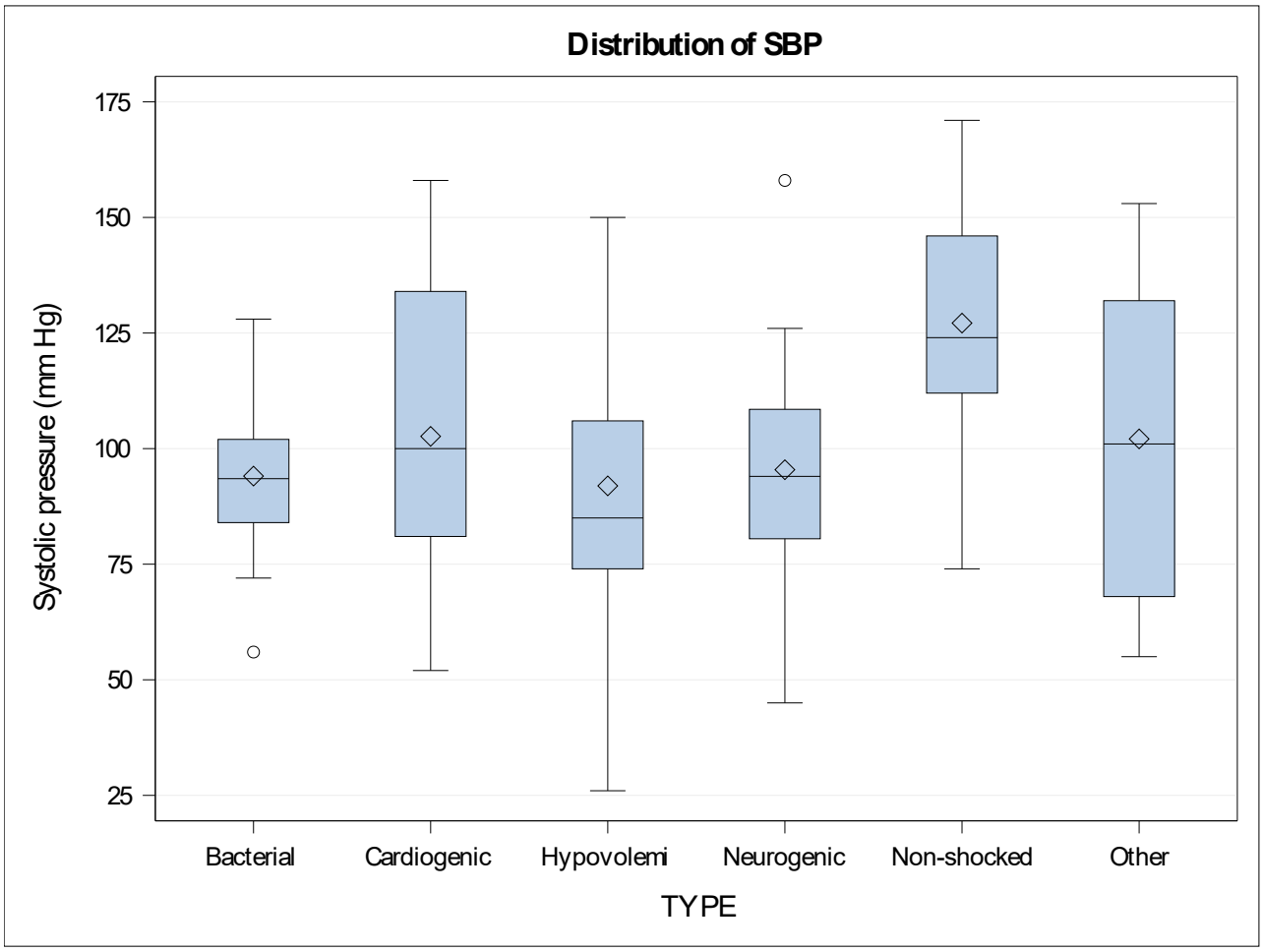
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TYPE	5	22565.05390	4513.01078	5.86	<.0001


Distribution of SBP
F 5.86
Prob > F <.0001
Systolic pressure (mm Hg)
175
150
125
100
75
50
25
Bacterial
Cardiogenic
Hypovolemi
Neurogenic
Non-shocked
Other
TYPE

Calculation and Test of Correlations, 95% CI

Brown and Forsythe's Test for Homogeneity of SBP Variance ANOVA of Absolute Deviations from Group Medians					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
TYPE	5	2374.0	474.8	1.86	0.1083
Error	106	27116.7	255.8		

Calculation and Test of Correlations, 95% CI



Level of TYPE	N	SBP	
		Mean	Std Dev
Bacterial	16	94.062500	17.8791079
Cardiogenic	20	102.650000	32.3765266
Hypovolemi	17	91.941176	30.9262643
Neurogenic	16	95.437500	28.5306122
Non-shocked	33	127.151515	23.6525913
Other	10	102.100000	35.7971135

Calculation and Test of Correlations, 95% CI

19 Variables:	AGE HT SEX SURVIVE TYPE SBP MAP HR DBP MCVP BSI CI AT MCT UO PVI RCI HG HCT

Simple Statistics							
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**	**Label**
AGE	112	54.44643	16.55776	6098	16.00000	90.00000	AGE
HT	112	163.83036	12.85252	18349	70.00000	187.00000	Height in cm
SEX	112	1.48214	0.50193	166.00000	1.00000	2.00000	SEX
SURVIVE	112	1.76786	0.97705	198.00000	1.00000	3.00000	SURVIVE
TYPE	112	3.95536	1.69466	443.00000	2.00000	7.00000	TYPE
SBP	112	105.93750	30.64245	11865	26.00000	171.00000	Systolic pressure (mm Hg)
MAP	112	73.50000	22.08827	8232	15.00000	124.00000	Mean arterial pressure (mm Hg)
HR	112	104.48214	29.73940	11702	25.00000	217.00000	Heart rate (beats / min)
DBP	112	58.32143	18.48896	6532	10.00000	108.00000	Diastolic pressure (mm Hg)
MCVP	112	8.93929	5.70906	1001	0.20000	30.20000	Mean central venous pressure (cm H20)
BSI	112	1.68643	0.19221	188.88000	1.09000	2.25000	Body surface index (m2)
CI	112	2.57554	1.47748	288.46000	0.17000	7.63000	Cardiac index (liters / min m2)
AT	112	10.16696	4.90663	1139	2.00000	26.10000	Appearance time (sec)
MCT	112	22.70089	10.50767	2543	8.10000	59.00000	Mean circulation time (sec)
UO	112	54.54464	112.84733	6109	0	510.00000	Urinary output (ml / hr)
PVI	112	48.79643	15.29070	5465	20.70000	106.60000	Plasma volume index (ml / kg)
RCI	112	21.32946	8.73728	2389	10.70000	85.80000	Red cell index (ml / kg)
HG	112	11.41607	2.54114	1279	6.60000	18.00000	Hemoglobin (gm / 100 ml)
HCT	112	34.81518	7.81127	3899	20.00000	54.00000	Hematocrit (percent)

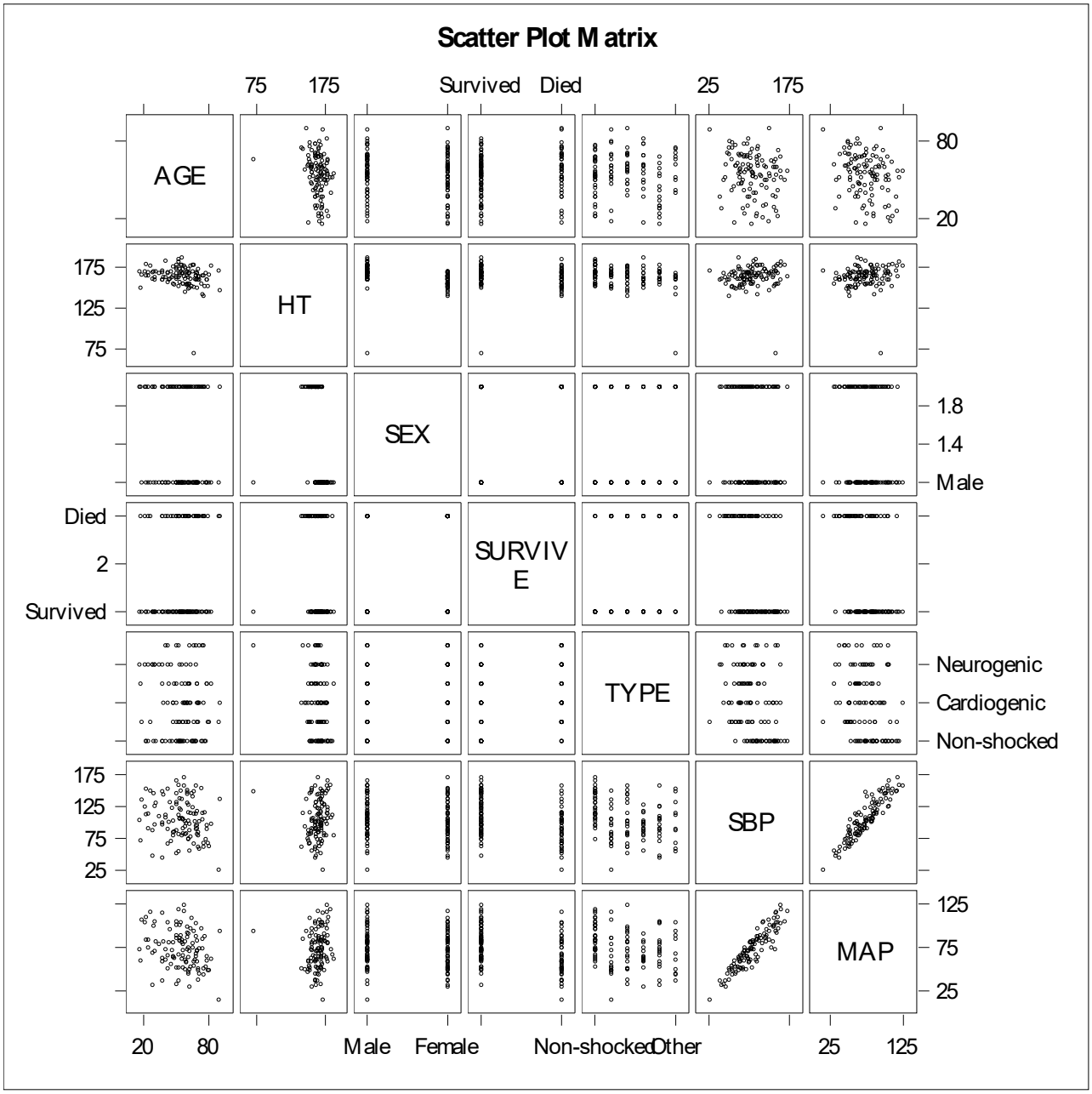
Pearson Correlation Coefficients, N = 112 Prob > |r| under H0: Rho=0											
	AGE	**HT**	**SEX**	**SURVIVE**	**TYPE**	**SBP**	**MAP**	**HR**	**DBP**	**MCVP**	**BSI**
AGE **AGE**	1.00000	-0.20458 0.0305	-0.09226 0.3333	0.13566 0.1538	-0.06639 0.4868	-0.18211 0.0546	-0.26714 0.0044	-0.02909 0.7608	-0.32233 0.0005	0.00843 0.9297	-0.06033 0.5275
HT **Height in cm**	-0.20458 0.0305	1.00000	-0.38103 <.0001	-0.16458 0.0829	-0.26093 0.0055	0.08145 0.3932	0.12381 0.1934	-0.12968 0.1730	0.14077 0.1388	-0.06304 0.5090	0.43051 <.0001
SEX **SEX**	-0.09226 0.3333	-0.38103 <.0001	1.00000	0.19355 0.0409	0.15263 0.1081	-0.12455 0.1907	-0.11295 0.2357	0.15509 0.1025	-0.10616 0.2653	0.09551 0.3165	-0.45636 <.0001
SURVIVE **SURVIVE**	0.13566 0.1538	-0.16458 0.0829	0.19355 0.0409	1.00000	0.29294 0.0017	-0.34864 0.0002	-0.37111 <.0001	0.08884 0.3516	-0.33196 0.0003	0.25102 0.0076	-0.23280 0.0135

Pearson Correlation Coefficients, N = 112 Prob > |r| under H0: Rho=0											
	AGE	**HT**	**SEX**	**SURVIVE**	**TYPE**	**SBP**	**MAP**	**HR**	**DBP**	**MCVP**	**BSI**
TYPE TYPE	-0.06639 0.4868	-0.26093 0.0055	0.15263 0.1081	0.29294 0.0017	1.00000	-0.31285 0.0008	-0.24970 0.0079	0.16381 0.0844	-0.17148 0.0706	0.05540 0.5618	-0.03977 0.6772
SBP Systolic pressure (mm Hg)	-0.18211 0.0546	0.08145 0.3932	-0.12455 0.1907	-0.34864 0.0002	-0.31285 0.0008	1.00000	0.91423 <.0001	-0.10758 0.2589	0.81370 <.0001	-0.02289 0.8107	0.23610 0.0122
MAP Mean arterial pressure (mm Hg)	-0.26714 0.0044	0.12381 0.1934	-0.11295 0.2357	-0.37111 <.0001	-0.24970 0.0079	0.91423 <.0001	1.00000	-0.07078 0.4583	0.96655 <.0001	-0.08104 0.3957	0.21236 0.0246
HR Heart rate (beats / min)	-0.02909 0.7608	-0.12968 0.1730	0.15509 0.1025	0.08884 0.3516	0.16381 0.0844	-0.10758 0.2589	-0.07078 0.4583	1.00000	0.00840 0.9300	0.05210 0.5854	-0.04600 0.6301
DBP Diastolic pressure (mm Hg)	-0.32233 0.0005	0.14077 0.1388	-0.10616 0.2653	-0.33196 0.0003	-0.17148 0.0706	0.81370 <.0001	0.96655 <.0001	0.00840 0.9300	1.00000	-0.12456 0.1907	0.22389 0.0176
MCVP Mean central venous pressure (cm H20)	0.00843 0.9297	-0.06304 0.5090	0.09551 0.3165	0.25102 0.0076	0.05540 0.5618	-0.02289 0.8107	-0.08104 0.3957	0.05210 0.5854	-0.12456 0.1907	1.00000	0.07908 0.4072
BSI Body surface index (m2)	-0.06033 0.5275	0.43051 <.0001	-0.45636 <.0001	-0.23280 0.0135	-0.03977 0.6772	0.23610 0.0122	0.21236 0.0246	-0.04600 0.6301	0.22389 0.0176	0.07908 0.4072	1.00000
CI Cardiac index (liters / min m2)	-0.05734 0.5482	0.08421 0.3774	-0.29069 0.0019	-0.12342 0.1948	-0.21453 0.0231	0.13511 0.1555	0.03850 0.6869	-0.03023 0.7517	-0.06750 0.4795	-0.00097 0.9919	0.05082 0.5946
AT Appearance time (sec)	0.37811 <.0001	-0.00235 0.9804	-0.08822 0.3550	0.10118 0.2885	0.05768 0.5458	-0.13415 0.1585	-0.10427 0.2739	-0.13709 0.1495	-0.05840 0.5408	0.02331 0.8072	0.04791 0.6159
MCT Mean circulation time (sec)	0.29755 0.0014	-0.05189 0.5869	0.09062 0.3420	0.17965 0.0580	0.10863 0.2543	-0.17776 0.0608	-0.10133 0.2877	0.04243 0.6569	-0.01683 0.8602	0.18323 0.0531	-0.00615 0.9487
UO Urinary output (ml / hr)	-0.31024 0.0009	0.11174 0.2408	-0.00770 0.9358	-0.27673 0.0031	-0.19415 0.0402	0.14019 0.1404	0.15301 0.1073	-0.12506 0.1889	0.12411 0.1923	-0.23831 0.0114	-0.06596 0.4896

Pearson Correlation Coefficients, N = 112 Prob > |r| under H0: Rho=0											
	AGE	**HT**	**SEX**	**SURVIVE**	**TYPE**	**SBP**	**MAP**	**HR**	**DBP**	**MCVP**	**BSI**
PVI Plasma volume index (ml / kg)	0.05453 0.5680	0.14672 0.1227	-0.26107 0.0054	-0.06349 0.5060	-0.12030 0.2064	-0.08525 0.3715	-0.17361 0.0672	-0.13344 0.1607	-0.27151 0.0038	0.15074 0.1126	-0.20269 0.0321
RCI Red cell index (ml / kg)	-0.02930 0.7591	-0.01129 0.9059	-0.04867 0.6103	-0.08921 0.3496	0.10687 0.2621	0.04475 0.6394	0.04534 0.6350	-0.03875 0.6850	0.05374 0.5736	-0.05001 0.6005	-0.04910 0.6072
HG Hemoglobin (gm / 100 ml)	-0.06959 0.4660	-0.04113 0.6668	-0.03226 0.7356	-0.03259 0.7330	0.09619 0.3130	0.06935 0.4675	0.21291 0.0242	0.10379 0.2761	0.32076 0.0006	-0.05608 0.5570	0.09468 0.3207
HCT Hematocrit (percent)	-0.08722 0.3605	-0.02544 0.7900	-0.01199 0.9001	-0.02491 0.7943	0.07117 0.4558	0.06926 0.4681	0.20109 0.0335	0.07868 0.4096	0.30680 0.0010	-0.02771 0.7718	0.10474 0.2717

Pearson Correlation Coefficients, N = 112 Prob > |r| under H0: Rho=0								
	CI	**AT**	**MCT**	**UO**	**PVI**	**RCI**	**HG**	**HCT**
AGE AGE	-0.05734 0.5482	0.37811 <.0001	0.29755 0.0014	-0.31024 0.0009	0.05453 0.5680	-0.02930 0.7591	-0.06959 0.4660	-0.08722 0.3605
HT Height in cm	0.08421 0.3774	-0.00235 0.9804	-0.05189 0.5869	0.11174 0.2408	0.14672 0.1227	-0.01129 0.9059	-0.04113 0.6668	-0.02544 0.7900
SEX SEX	-0.29069 0.0019	-0.08822 0.3550	0.09062 0.3420	-0.00770 0.9358	-0.26107 0.0054	-0.04867 0.6103	-0.03226 0.7356	-0.01199 0.9001
SURVIVE SURVIVE	-0.12342 0.1948	0.10118 0.2885	0.17965 0.0580	-0.27673 0.0031	-0.06349 0.5060	-0.08921 0.3496	-0.03259 0.7330	-0.02491 0.7943
TYPE TYPE	-0.21453 0.0231	0.05768 0.5458	0.10863 0.2543	-0.19415 0.0402	-0.12030 0.2064	0.10687 0.2621	0.09619 0.3130	0.07117 0.4558
SBP Systolic pressure (mm Hg)	0.13511 0.1555	-0.13415 0.1585	-0.17776 0.0608	0.14019 0.1404	-0.08525 0.3715	0.04475 0.6394	0.06935 0.4675	0.06926 0.4681
MAP Mean arterial pressure (mm Hg)	0.03850 0.6869	-0.10427 0.2739	-0.10133 0.2877	0.15301 0.1073	-0.17361 0.0672	0.04534 0.6350	0.21291 0.0242	0.20109 0.0335
HR Heart rate (beats / min)	-0.03023 0.7517	-0.13709 0.1495	0.04243 0.6569	-0.12506 0.1889	-0.13344 0.1607	-0.03875 0.6850	0.10379 0.2761	0.07868 0.4096

Pearson Correlation Coefficients, N = 112 Prob > |r| under H0: Rho=0								
	CI	**AT**	**MCT**	**UO**	**PVI**	**RCI**	**HG**	**HCT**
DBP Diastolic pressure (mm Hg)	-0.06750 0.4795	-0.05840 0.5408	-0.01683 0.8602	0.12411 0.1923	-0.27151 0.0038	0.05374 0.5736	0.32076 0.0006	0.30680 0.0010
MCVP Mean central venous pressure (cm H20)	-0.00097 0.9919	0.02331 0.8072	0.18323 0.0531	-0.23831 0.0114	0.15074 0.1126	-0.05001 0.6005	-0.05608 0.5570	-0.02771 0.7718
BSI Body surface index (m2)	0.05082 0.5946	0.04791 0.6159	-0.00615 0.9487	-0.06596 0.4896	-0.20269 0.0321	-0.04910 0.6072	0.09468 0.3207	0.10474 0.2717
CI Cardiac index (liters / min m2)	1.00000	-0.48035 <.0001	-0.62293 <.0001	0.13152 0.1669	0.60793 <.0001	-0.11740 0.2177	-0.47580 <.0001	-0.46627 <.0001
AT Appearance time (sec)	-0.48035 <.0001	1.00000	0.83961 <.0001	-0.15218 0.1092	-0.12420 0.1920	0.08005 0.4014	0.36063 <.0001	0.35402 0.0001
MCT Mean circulation time (sec)	-0.62293 <.0001	0.83961 <.0001	1.00000	-0.17056 0.0722	-0.25122 0.0075	0.10714 0.2608	0.47446 <.0001	0.47988 <.0001
UO Urinary output (ml / hr)	0.13152 0.1669	-0.15218 0.1092	-0.17056 0.0722	1.00000	0.04556 0.6334	-0.05023 0.5989	-0.09300 0.3294	-0.11948 0.2096
PVI Plasma volume index (ml / kg)	0.60793 <.0001	-0.12420 0.1920	-0.25122 0.0075	0.04556 0.6334	1.00000	0.03211 0.7368	-0.50455 <.0001	-0.50645 <.0001
RCI Red cell index (ml / kg)	-0.11740 0.2177	0.08005 0.4014	0.10714 0.2608	-0.05023 0.5989	0.03211 0.7368	1.00000	0.19531 0.0390	0.20503 0.0301
HG Hemoglobin (gm / 100 ml)	-0.47580 <.0001	0.36063 <.0001	0.47446 <.0001	-0.09300 0.3294	-0.50455 <.0001	0.19531 0.0390	1.00000	0.96980 <.0001
HCT Hematocrit (percent)	-0.46627 <.0001	0.35402 0.0001	0.47988 <.0001	-0.11948 0.2096	-0.50645 <.0001	0.20503 0.0301	0.96980 <.0001	1.00000


Scatter Plot Matrix
AGE
HT
SEX
SURVIVE
TYPE
SBP
MAP
75
175
Survived
Died
25
175
80
20
175
125
75
1.8
1.4
Male
Died
2
Survived
Neurogenic
Cardiogenic
Non-shocked
175
125
75
25
125
75
25
20
80
Male
Female
Non-shocked
Other
25
125

Calculation and Test of Correlations, 95% CI

Model: MODEL1
Dependent Variable: SBP Systolic pressure (mm Hg)

Number of Observations Read	112
Number of Observations Used	112

Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	18	96275	5348.61810	62.57	<.0001
Error	93	7949.43669	85.47781		
Corrected Total	111	104225			

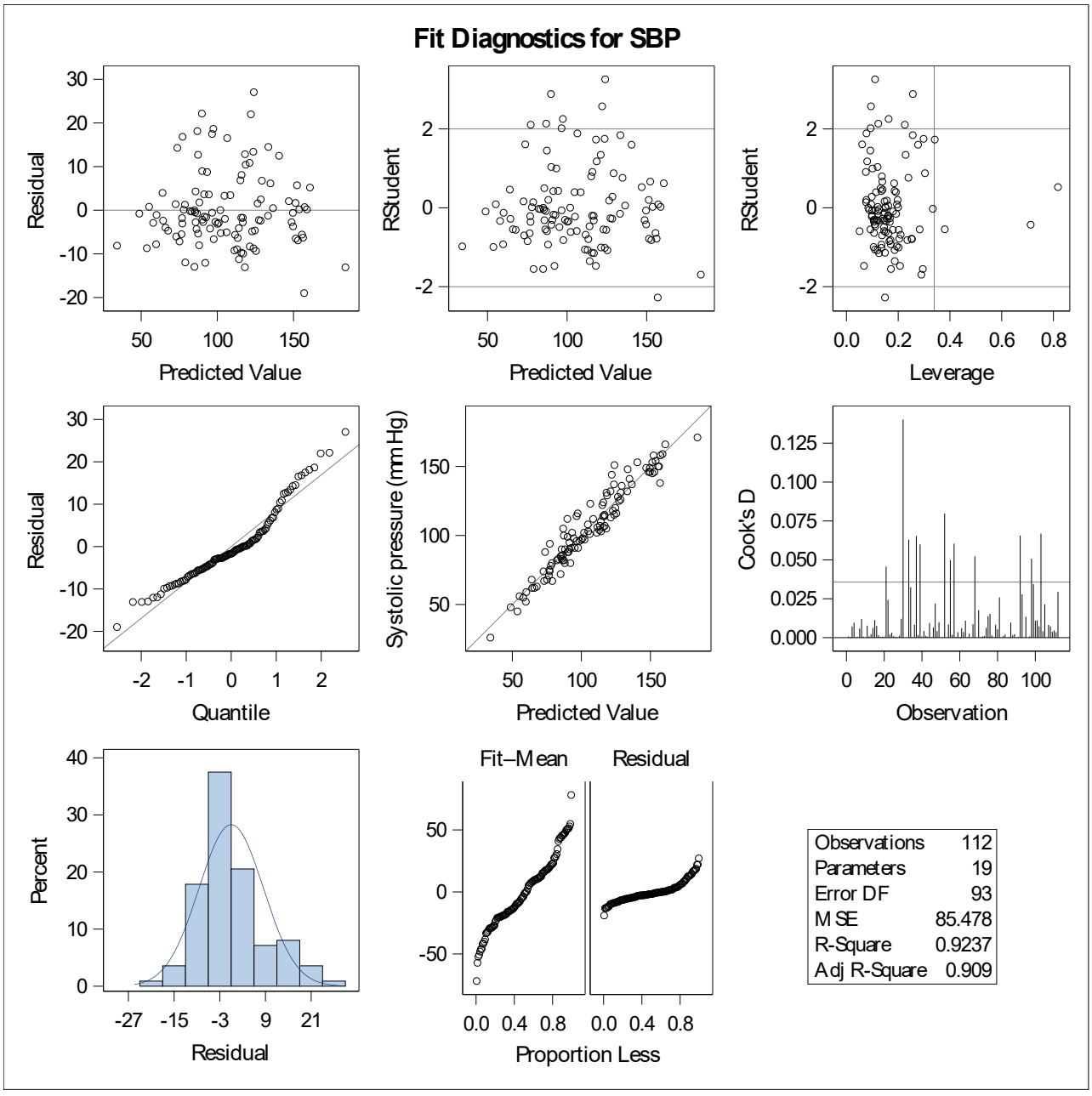
Root MSE	9.24542	**R-Square**	0.9237
Dependent Mean	105.93750	**Adj R-Sq**	0.9090
Coeff Var	8.72724		

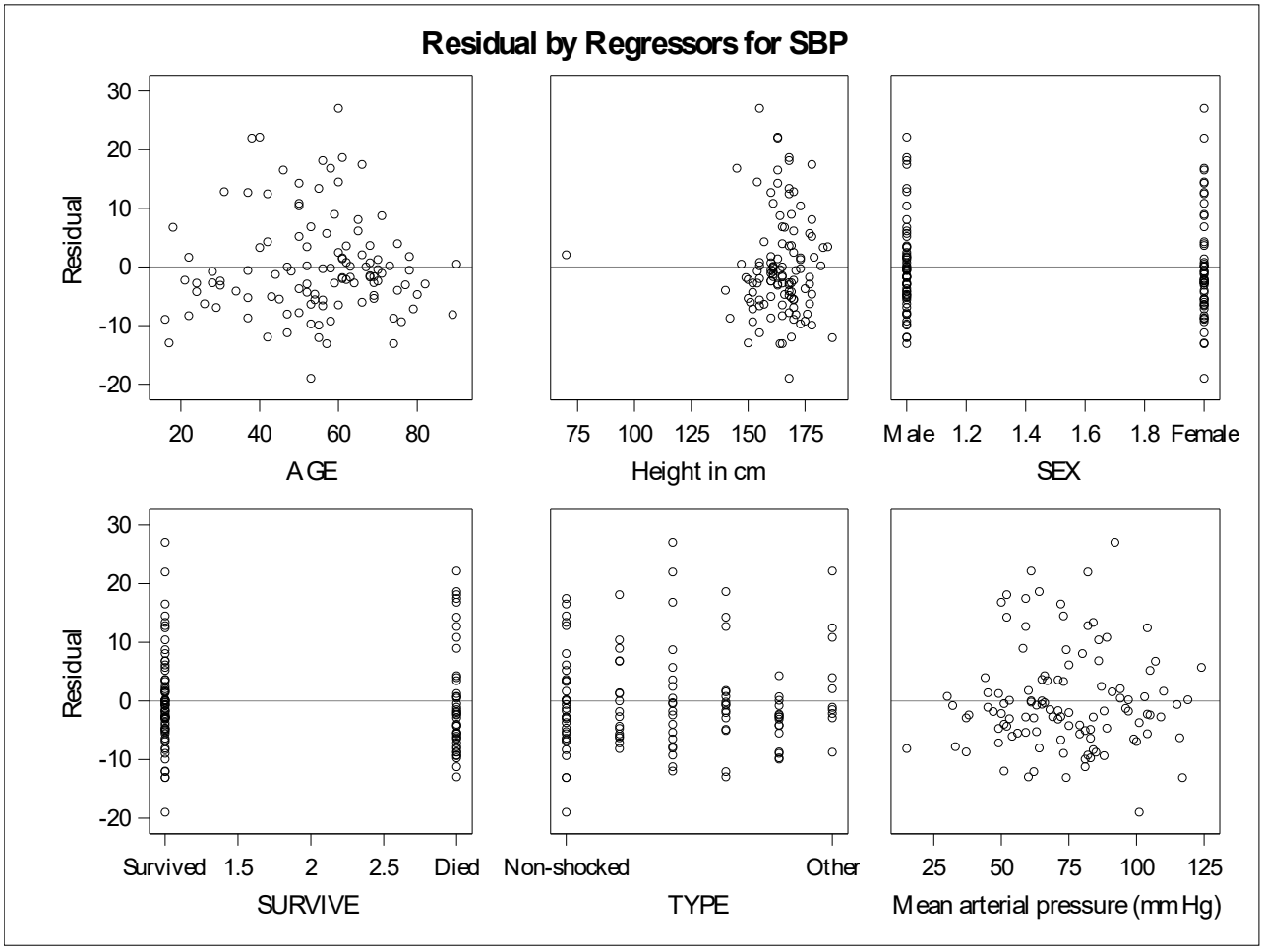
Parameter Estimates							
Variable	**Label**	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**	**Variance Inflation**
Intercept	Intercept	1	16.53894	22.54020	0.73	0.4649	0
AGE	AGE	1	-0.08232	0.07355	-1.12	0.2659	1.92589
HT	Height in cm	1	-0.13655	0.08949	-1.53	0.1304	1.71784
SEX	SEX	1	-1.40553	2.45720	-0.57	0.5687	1.97529
SURVIVE	SURVIVE	1	1.51223	1.11556	1.36	0.1785	1.54273
TYPE	TYPE	1	-0.81658	0.62818	-1.30	0.1968	1.47165
MAP	Mean arterial pressure (mm Hg)	1	2.85945	0.21717	13.17	<.0001	29.88205
HR	Heart rate (beats / min)	1	0.06322	0.03383	1.87	0.0648	1.31438
DBP	Diastolic pressure (mm Hg)	1	-1.98171	0.26707	-7.42	<.0001	31.66174
MCVP	Mean central venous pressure (cm H20)	1	-0.13930	0.19545	-0.71	0.4778	1.61693
BSI	Body surface index (m2)	1	14.44055	6.81467	2.12	0.0368	2.22804
CI	Cardiac index (liters / min m2)	1	-0.75687	1.05716	-0.72	0.4758	3.16806
AT	Appearance time (sec)	1	0.26393	0.39073	0.68	0.5011	4.77303
MCT	Mean circulation time (sec)	1	-0.09009	0.21205	-0.42	0.6719	6.44721
UO	Urinary output (ml / hr)	1	-0.00382	0.00929	-0.41	0.6820	1.42695

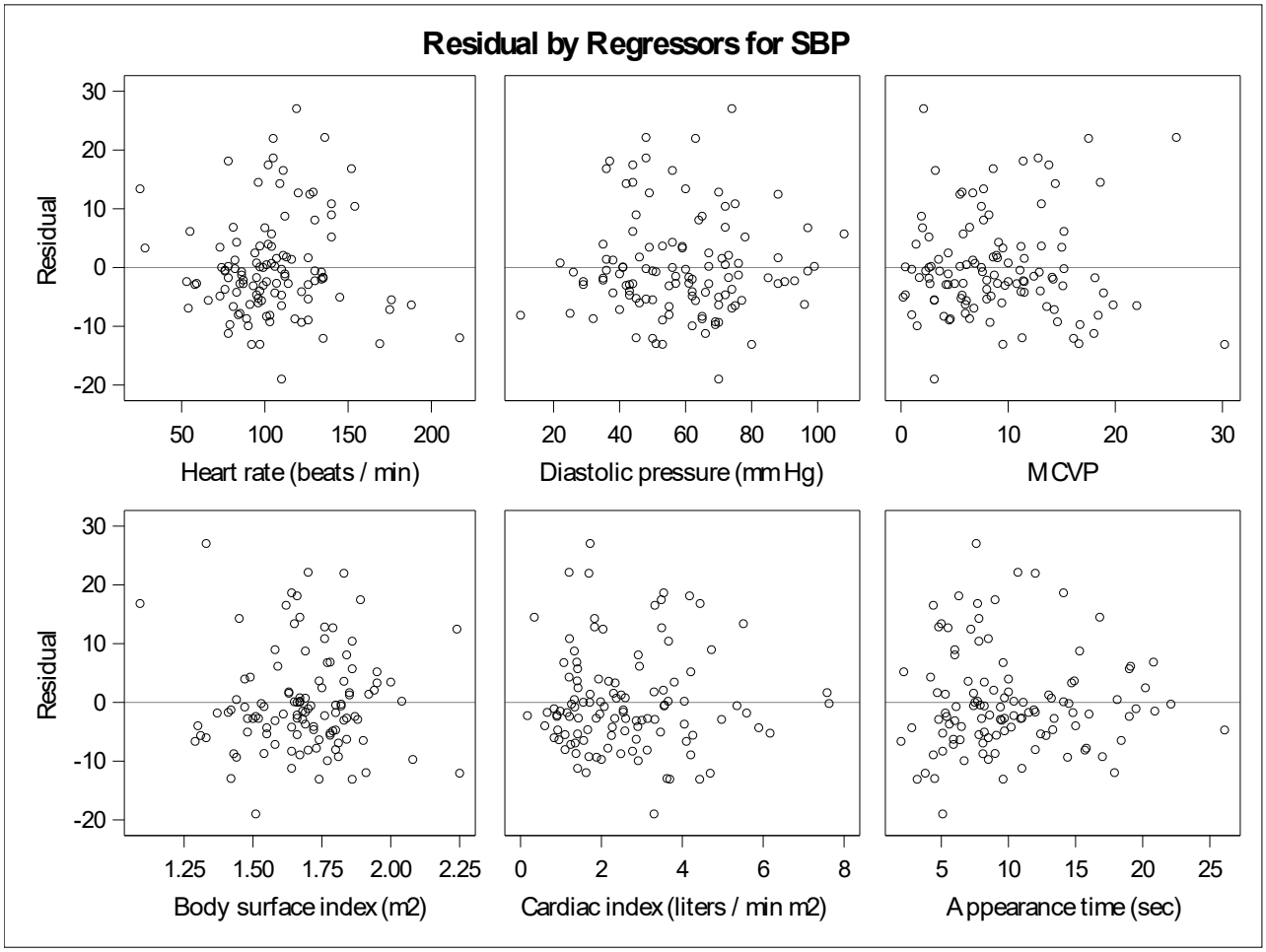
Parameter Estimates							
Variable	**Label**	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**	**Variance Inflation**
PVI	Plasma volume index (ml / kg)	1	-0.03078	0.10318	-0.30	0.7662	3.23210
RCI	Red cell index (ml / kg)	1	0.09660	0.10731	0.90	0.3703	1.14164
HG	Hemoglobin (gm / 100 ml)	1	-1.81562	1.50965	-1.20	0.2322	19.11085
HCT	Hematocrit (percent)	1	0.46741	0.49295	0.95	0.3455	19.25382

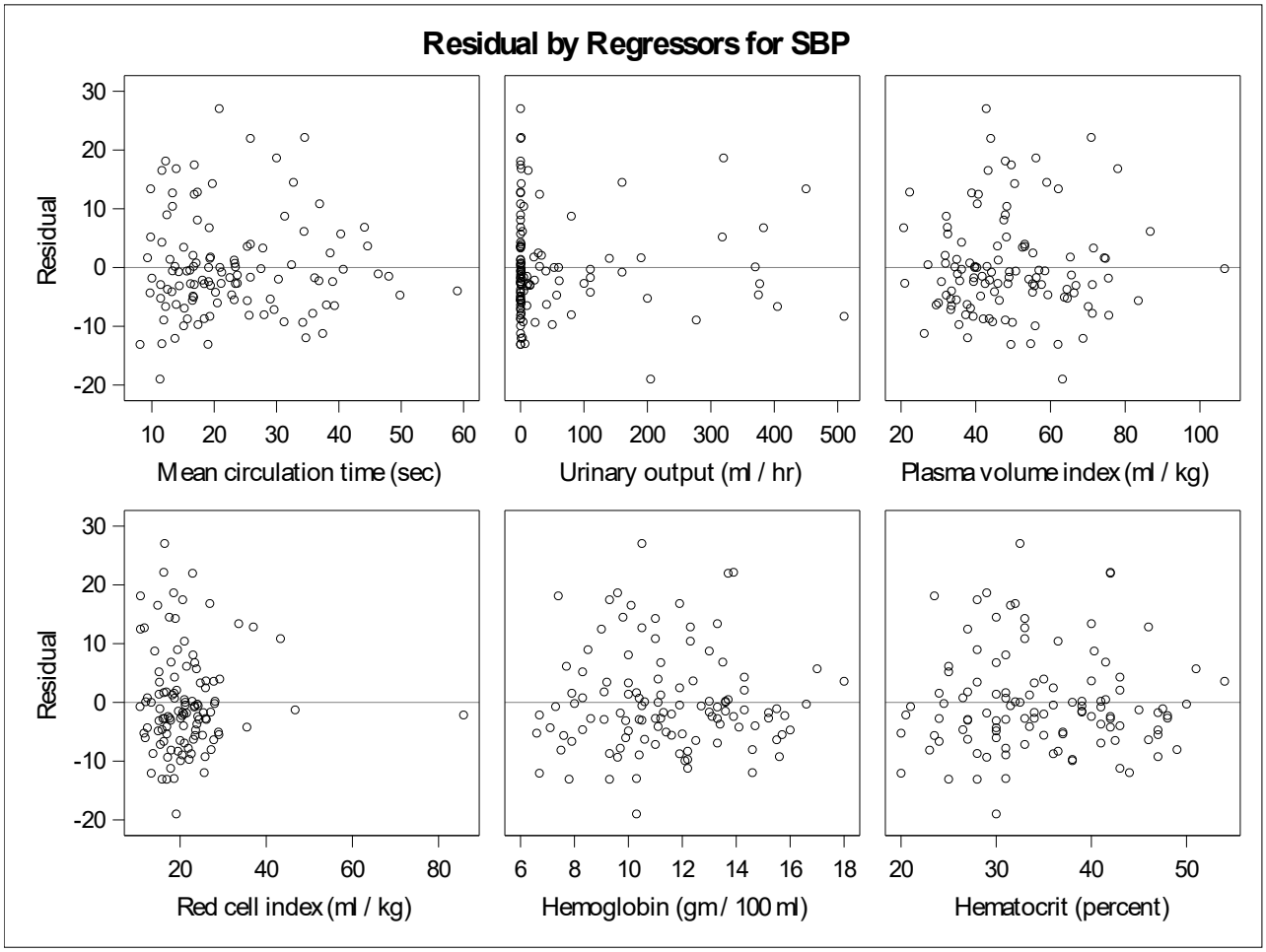
Calculation and Test of Correlations, 95% CI

Model: MODEL1
Dependent Variable: SBP Systolic pressure (mm Hg)




Residual by Regressors for SBP
Residual
30
20
10
0
-10
-20
20 40 60 80
AGE
75 100 125 150 175
Height in cm
Male 1.2 1.4 1.6 1.8 Female
SEX
Residual
Survived 1.5 2 2.5 Died
SURVIVE
Non-shocked Other
TYPE
25 50 75 100 125
Mean arterial pressure (mm Hg)


Residual by Regressors for SBP
Residual
30
20
10
0
-10
-20
50
100
150
200
Heart rate (beats / min)
20
40
60
80
100
Diastolic pressure (mm Hg)
0
10
20
30
MCVP
1.25
1.50
1.75
2.00
2.25
Body surface index (m2)
0
2
4
6
8
Cardiac index (liters / min m2)
5
10
15
20
25
Appearance time (sec)


Residual by Regressors for SBP
Residual
Mean circulation time (sec)
Urinary output (ml / hr)
Plasma volume index (ml / kg)
Red cell index (ml / kg)
Hemoglobin (gm / 100 ml)
Hematocrit (percent)

Calculation and Test of Correlations, 95% CI

Data Set	WORK.SHOCK
Dependent Variable	SBP
Selection Method	Stepwise
Select Criterion	SBC
Stop Criterion	SBC
Effect Hierarchy Enforced	None

Number of Observations Read	112
Number of Observations Used	112

Class Level Information		
Class	**Levels**	**Values**
TYPE	6	Bacterial Cardiogenic Hypovolemi Neurogenic Non-shocked Other

Dimensions	
Number of Effects	17
Number of Parameters	22

Calculation and Test of Correlations, 95% CI

Stepwise Selection Summary					
Step	**Effect Entered**	**Effect Removed**	**Number Effects In**	**Number Parms In**	**SBC**
0	**Intercept**		1	1	770.3286
1	**MAP**		2	2	572.6854
2	**HG**		3	3	565.5830*
*** Optimal Value of Criterion**					

Selection stopped at a local minimum of the SBC criterion.

Stop Details				
Candidate For	**Effect**	**Candidate SBC**		**Compare SBC**
Entry	AGE	567.2767	>	565.5830
Removal	HG	572.6854	>	565.5830

Calculation and Test of Correlations, 95% CI

Selected Model

The selected model is the model at the last step (Step 2).

Effects:	Intercept MAP HG

Analysis of Variance				
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**
Model	2	88827	44414	314.41
Error	109	15397	141.26129	
Corrected Total	111	104225		

Root MSE	11.88534
Dependent Mean	105.93750
R-Square	0.8523
Adj R-Sq	0.8496
AIC	671.42755
AICC	671.80138
SBC	565.58305

Parameter Estimates				
Parameter	**DF**	**Estimate**	**Standard Error**	**t Value**
Intercept	1	27.936563	5.868594	4.76
MAP	1	1.307055	0.052271	25.01
HG	1	-1.582648	0.454354	-3.48

Calculation and Test of Correlations, 95% CI

Model: MODEL1
Dependent Variable: SBP Systolic pressure (mm Hg)

Number of Observations Read	112
Number of Observations Used	112

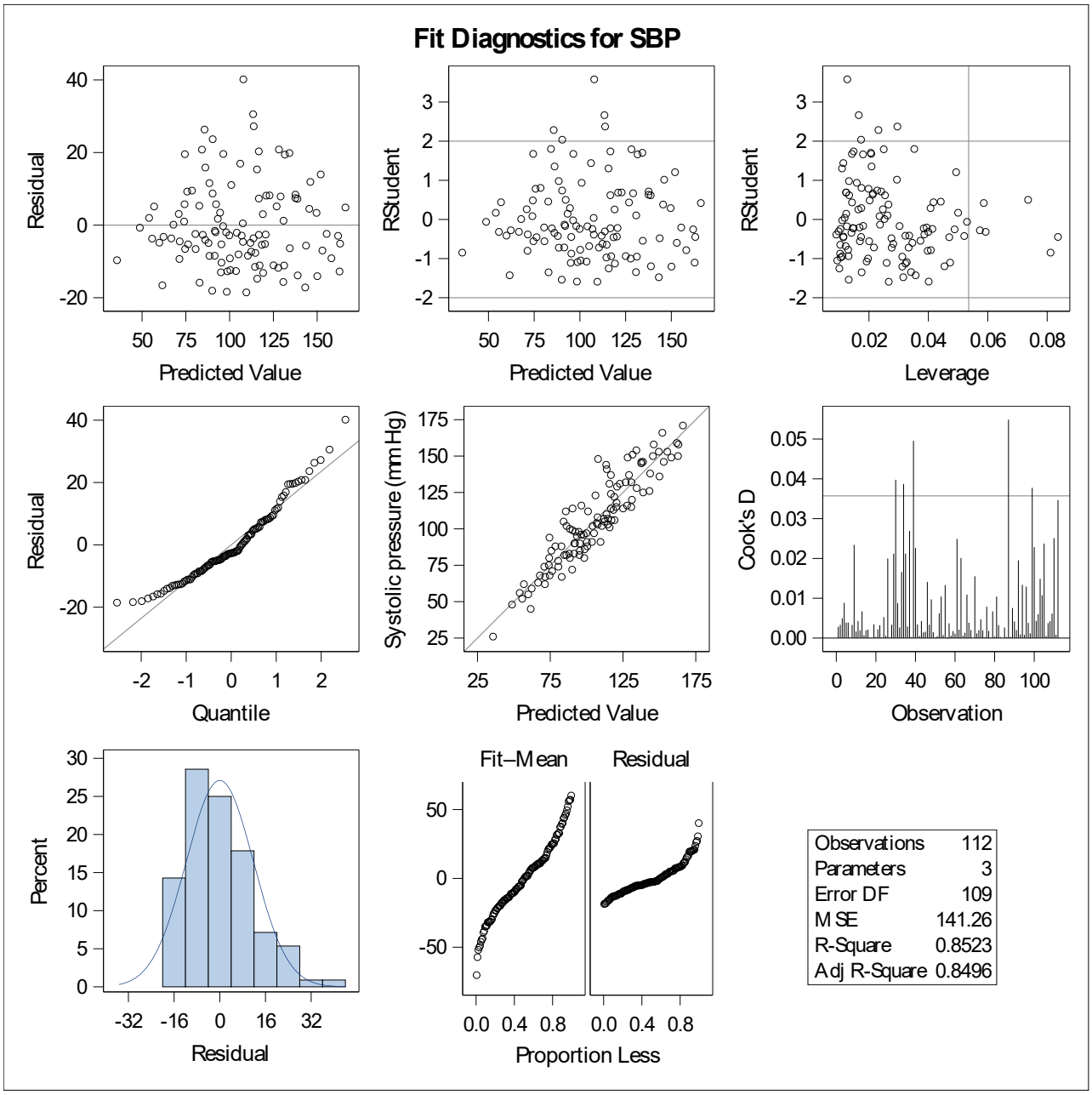
Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	2	88827	44414	314.41	<.0001
Error	109	15397	141.26129		
Corrected Total	111	104225			

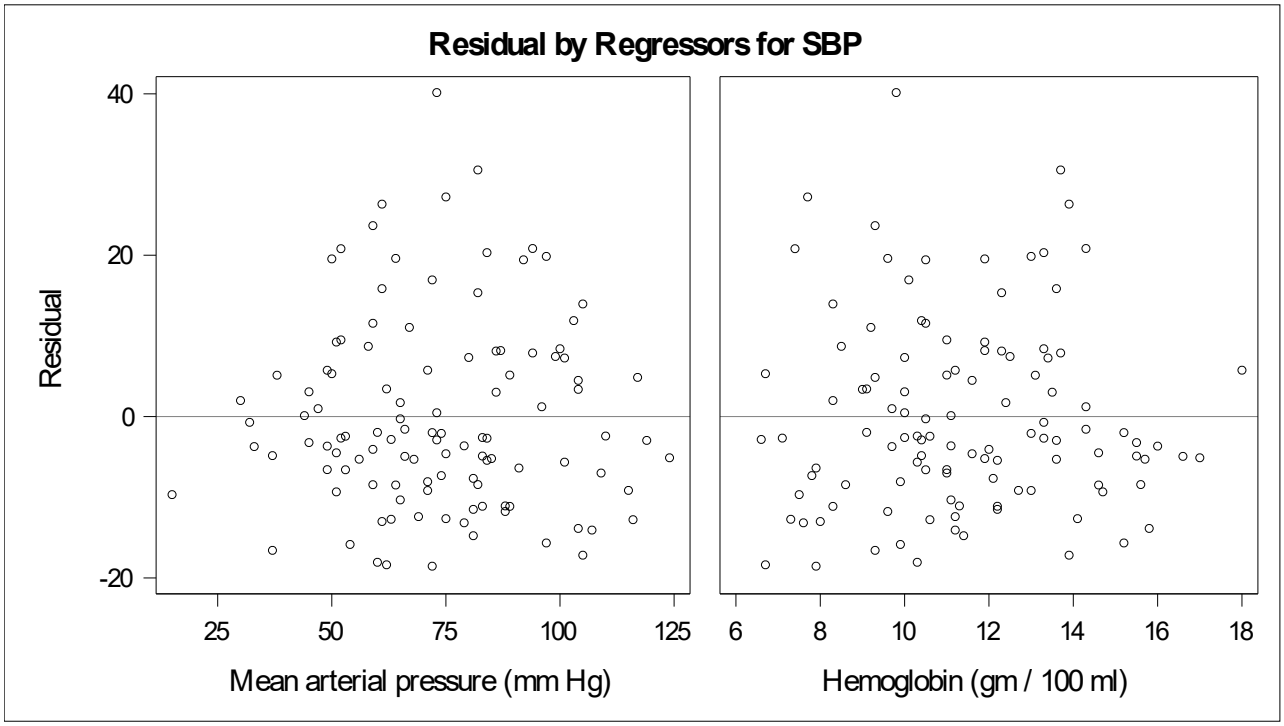
Root MSE	11.88534	**R-Square**	0.8523
Dependent Mean	105.93750	**Adj R-Sq**	0.8496
Coeff Var	11.21920		

Parameter Estimates						
Variable	**Label**	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**
Intercept	Intercept	1	27.93656	5.86859	4.76	<.0001
MAP	Mean arterial pressure (mm Hg)	1	1.30706	0.05227	25.01	<.0001
HG	Hemoglobin (gm / 100 ml)	1	-1.58265	0.45435	-3.48	0.0007

Calculation and Test of Correlations, 95% CI

Model: MODEL1
Dependent Variable: SBP Systolic pressure (mm Hg)




Residual by Regressors for SBP
Residual
40
20
0
-20
25
50
75
100
125
Mean arterial pressure (mm Hg)
6
8
10
12
14
16
18
Hemoglobin (gm / 100 ml)