

The SAS System

Obs	ID	SBP	Tobacco	LDL	BAI	Famhist	TypeA	BMI	Alcohol	Age	CHD
1	1	160	12	5.73	23.11	Present	49	25.3	97.2	52	1
2	2	144	0.01	4.41	28.61	Absent	55	28.87	2.06	63	1
3	3	118	0.08	3.48	32.28	Present	52	29.14	3.81	46	0
4	4	170	7.5	6.41	38.03	Present	51	31.99	24.26	58	1
5	5	134	13.6	3.5	27.78	Present	60	25.99	57.34	49	1

The SAS System

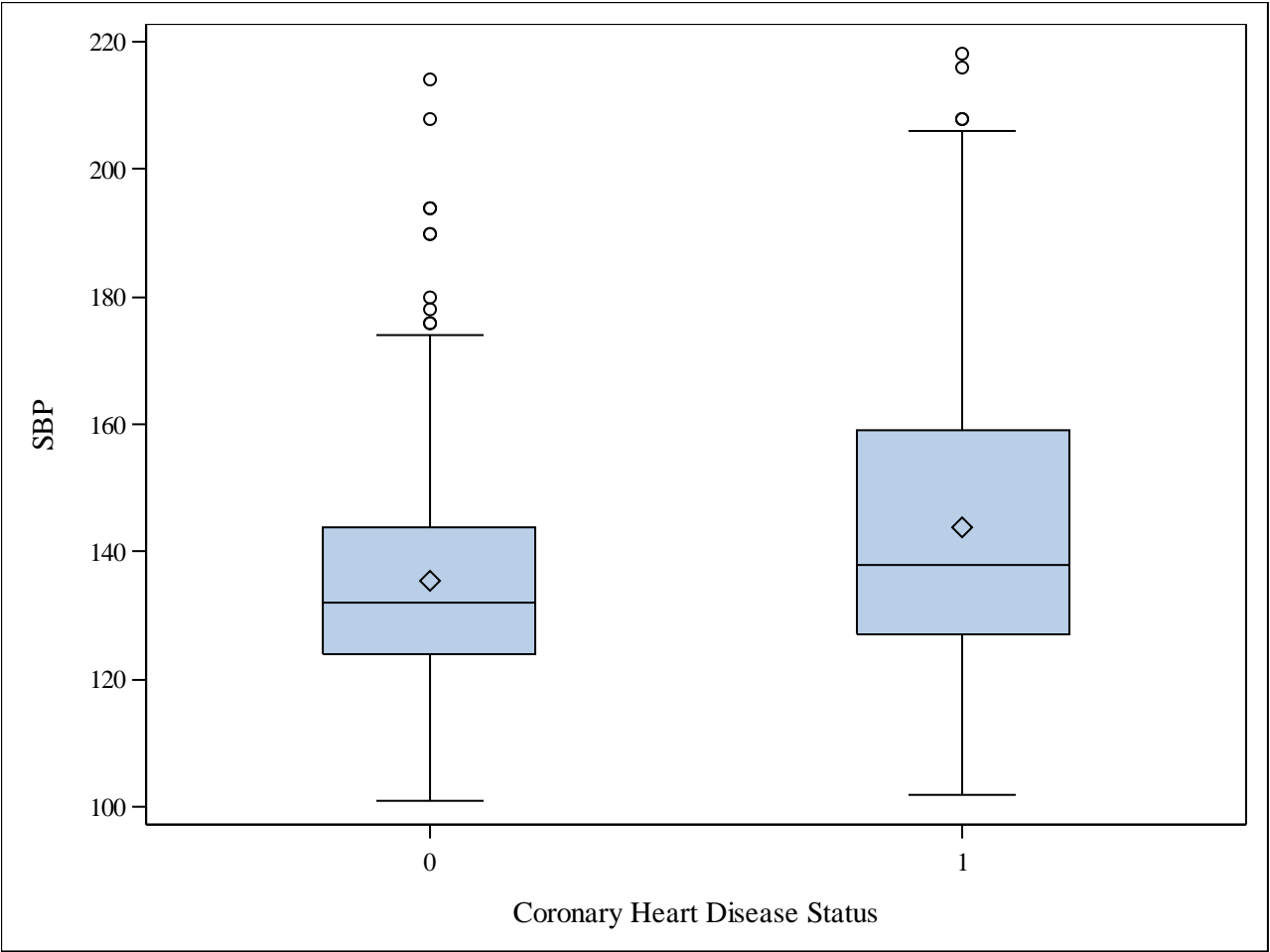
	CHD		Total N
	0 N	1 N	
Famhist			
Absent	206	64	270
Present	96	96	192
Total	302	160	462

*The SAS System**The FREQ Procedure*

Table of Famhist by CHD			
Famhist(Famhist)	CHD(CHD)		
Frequency	0	1	Total
Absent	206	64	270
Present	96	96	192
Total	302	160	462

*The SAS System**The MEANS Procedure*

Analysis Variable : SBP SBP								
CHD	N Obs	N	Mean	Median	Std Dev	Minimum	Maximum	Range
0	302	302	135.46	132.00	17.98	101.00	214.00	113.00
1	160	160	143.74	138.00	23.68	102.00	218.00	116.00



*The SAS System**The CORR Procedure*

CHD=0

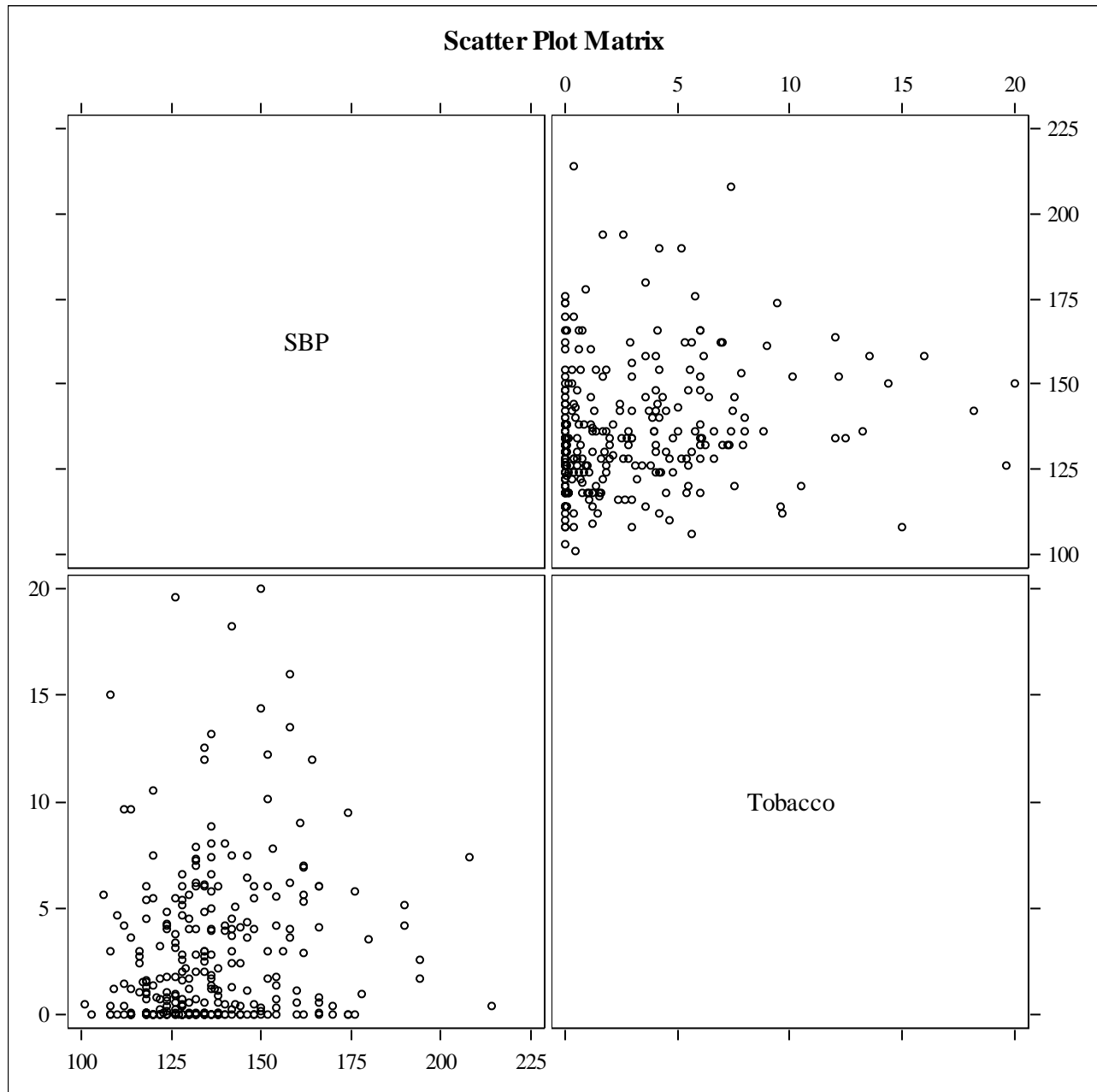
2 Variables:	SBP Tobacco
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Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
SBP	302	135.46026	17.98495	40909	101.00000	214.00000	SBP
Tobacco	302	2.63474	3.61210	795.69000	0	20.00000	Tobacco

Pearson Correlation Coefficients, N = 302 Prob > r under H0: Rho=0		
	SBP	Tobacco
SBP SBP	1.00000	0.18373 0.0013
Tobacco Tobacco	0.18373 0.0013	1.00000

*The SAS System**The CORR Procedure*

CHD=0



*The SAS System**The CORR Procedure*

CHD=1

2 Variables:	SBP Tobacco
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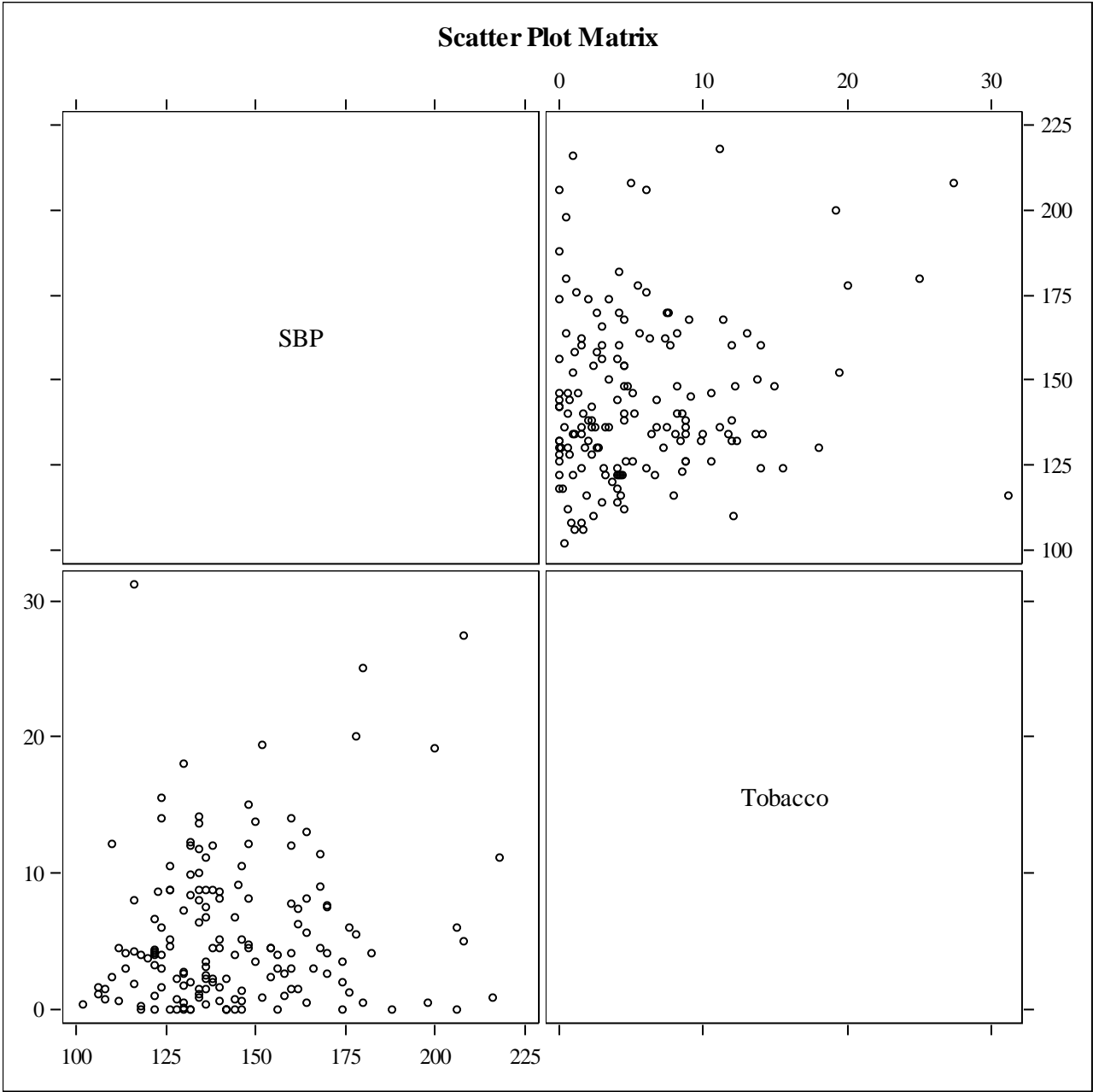
Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
SBP	160	143.73750	23.67747	22998	102.00000	218.00000	SBP
Tobacco	160	5.52487	5.56514	883.98000	0	31.20000	Tobacco

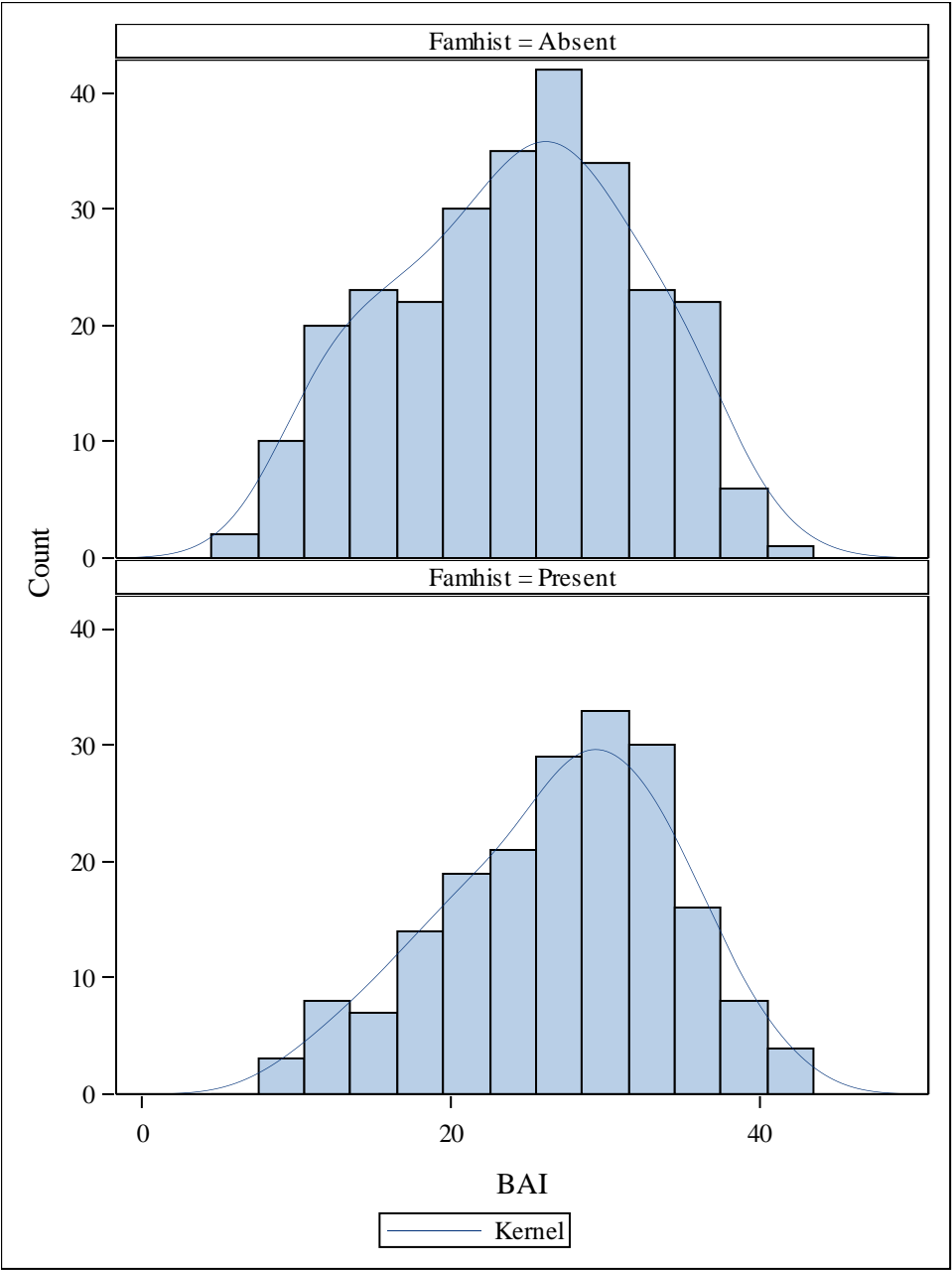
Pearson Correlation Coefficients, N = 160 Prob > r under H0: Rho=0		
	SBP	Tobacco
SBP SBP	1.00000	0.14876 0.0605
Tobacco Tobacco	0.14876 0.0605	1.00000

The SAS System

The CORR Procedure

CHD=1





The SAS System

		Alcohol			Tobacco		
		Freq	Mean	Std Dev	Freq	Mean	Std Dev
0	Absent	206	15.1	22.19	206	2.5	3.74
	Present	96	17.7	26.12	96	3.0	3.32
	Total	302	15.9	23.50	302	2.6	3.61
1	Absent	64	16.3	19.81	64	5.9	6.67
	Present	96	21.1	29.63	96	5.3	4.70
	Total	160	19.1	26.18	160	5.5	5.57
Total	Absent	270	15.4	21.62	270	3.3	4.82
	Present	192	19.4	27.91	192	4.1	4.22
	Total	462	17.0	24.48	462	3.6	4.59

The SAS System

		BAI			Alcohol		
		Freq	Mean	Std Dev	Freq	Mean	Std Dev
0	Absent	206	23.3	7.84	206	15.1	22.19
	Present	96	25.5	7.44	96	17.7	26.12
	Total	302	24.0	7.77	302	15.9	23.50
1	Absent	64	27.3	7.28	64	16.3	19.81
	Present	96	28.7	6.88	96	21.1	29.63
	Total	160	28.1	7.06	160	19.1	26.18
Total	Absent	270	24.2	7.89	270	15.4	21.62
	Present	192	27.1	7.33	192	19.4	27.91
	Total	462	25.4	7.78	462	17.0	24.48

The SAS System

		TypeA			LDL		
		Freq	Mean	Std Dev	Freq	Mean	Std Dev
0	Absent	206	52.2	9.93	206	4.3	1.96
	Present	96	52.8	8.61	96	4.4	1.67
	Total	302	52.4	9.52	302	4.3	1.87
1	Absent	64	54.6	9.84	64	4.9	2.19
	Present	96	54.4	10.56	96	5.9	2.18
	Total	160	54.5	10.25	160	5.5	2.23
Total	Absent	270	52.7	9.94	270	4.5	2.03
	Present	192	53.6	9.64	192	5.1	2.07
	Total	462	53.1	9.82	462	4.7	2.07

The SAS System

		LDL			SBP		
		Freq	Mean	Std Dev	Freq	Mean	Std Dev
0	Absent	206	4.3	1.96	206	135.0	18.84
	Present	96	4.4	1.67	96	136.5	16.03
	Total	302	4.3	1.87	302	135.5	17.98
1	Absent	64	4.9	2.19	64	142.9	24.60
	Present	96	5.9	2.18	96	144.3	23.16
	Total	160	5.5	2.23	160	143.7	23.68
Total	Absent	270	4.5	2.03	270	136.8	20.58
	Present	192	5.1	2.07	192	140.4	20.25
	Total	462	4.7	2.07	462	138.3	20.50

The SAS System

		Age			BMI		
		Freq	Mean	Std Dev	Freq	Mean	Std Dev
0	Absent	206	37.2	15.26	206	25.4	4.04
	Present	96	42.4	13.46	96	26.4	4.15
	Total	302	38.9	14.88	302	25.7	4.09
1	Absent	64	48.4	12.04	64	26.3	4.69
	Present	96	51.6	9.47	96	26.8	4.19
	Total	160	50.3	10.65	160	26.6	4.39
Total	Absent	270	39.9	15.30	270	25.6	4.21
	Present	192	47.0	12.48	192	26.6	4.17
	Total	462	42.8	14.61	462	26.0	4.21

*The SAS System**The FREQ Procedure*

Table of CHD by Famhist			
CHD(CHD)	Famhist(Famhist)		
Frequency	Absent	Present	Total
0	206	96	302
1	64	96	160
Total	270	192	462

Statistics for Table of CHD by Famhist

Statistic	DF	Value	Prob
Chi-Square	1	34.2743	<.0001
Likelihood Ratio Chi-Square	1	34.2141	<.0001
Continuity Adj. Chi-Square	1	33.1226	<.0001
Mantel-Haenszel Chi-Square	1	34.2002	<.0001
Phi Coefficient		0.2724	
Contingency Coefficient		0.2628	
Cramer's V		0.2724	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	206
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	<.0001
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 462

The SAS System**The UNIVARIATE Procedure****Variable: TypeA****(TypeA)****Famhist = Absent**

Moments			
N	270	Sum Weights	270
Mean	52.7333333	Sum Observations	14238
Std Deviation	9.94124	Variance	98.8282528
Skewness	-0.4386072	Kurtosis	0.55127524
Uncorrected SS	777402	Corrected SS	26584.8
Coeff Variation	18.851909	Std Error Mean	0.6050046

Basic Statistical Measures			
Location		Variability	
Mean	52.73333	Std Deviation	9.94124
Median	53.00000	Variance	98.82825
Mode	49.00000	Range	64.00000
		Interquartile Range	13.00000

Note: The mode displayed is the smallest of 2 modes with a count of 14.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	87.16187	Pr > t 	<.0001
Sign	M	135	Pr >= M 	<.0001
Signed Rank	S	18292.5	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.987295	Pr < W	0.0175
Kolmogorov-Smirnov	D	0.04699	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.081639	Pr > W-Sq	0.2042
Anderson-Darling	A-Sq	0.593444	Pr > A-Sq	0.1256

*The SAS System**The UNIVARIATE Procedure**Variable: TypeA**(TypeA)**Famhist = Absent*

Quantiles (Definition 5)	
Level	Quantile
100% Max	77
99%	73
95%	67
90%	65
75% Q3	60
50% Median	53
25% Q1	47
10%	41
5%	35
1%	26
0% Min	13

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
13	73	72	309
25	243	73	188
26	142	73	420
28	422	74	314
29	223	77	105

*The SAS System**The UNIVARIATE Procedure**Variable: TypeA**(TypeA)**Famhist = Present*

Moments			
N	192	Sum Weights	192
Mean	53.625	Sum Observations	10296
Std Deviation	9.64256489	Variance	92.9790576
Skewness	-0.1984733	Kurtosis	0.32113333
Uncorrected SS	569882	Corrected SS	17759
Coeff Variation	17.981473	Std Error Mean	0.69589218

Basic Statistical Measures			
Location		Variability	
Mean	53.62500	Std Deviation	9.64256
Median	53.00000	Variance	92.97906
Mode	52.00000	Range	58.00000
		Interquartile Range	12.50000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	77.05935	Pr > t 	<.0001
Sign	M	96	Pr >= M 	<.0001
Signed Rank	S	9264	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.991968	Pr < W	0.3693
Kolmogorov-Smirnov	D	0.056607	Pr > D	0.1361
Cramer-von Mises	W-Sq	0.066274	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.421491	Pr > A-Sq	>0.2500

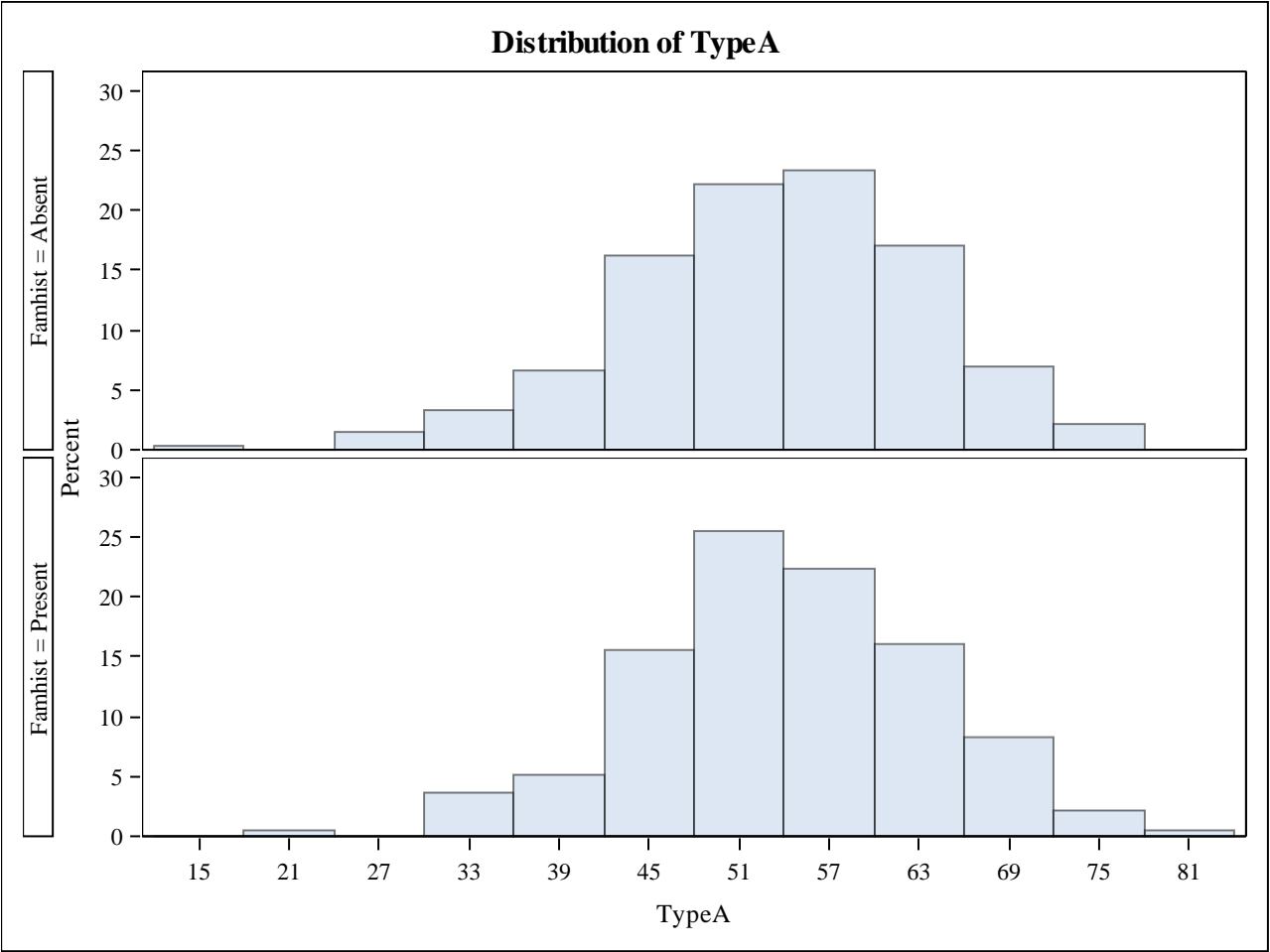
*The SAS System**The UNIVARIATE Procedure**Variable: TypeA**(TypeA)**Famhist = Present*

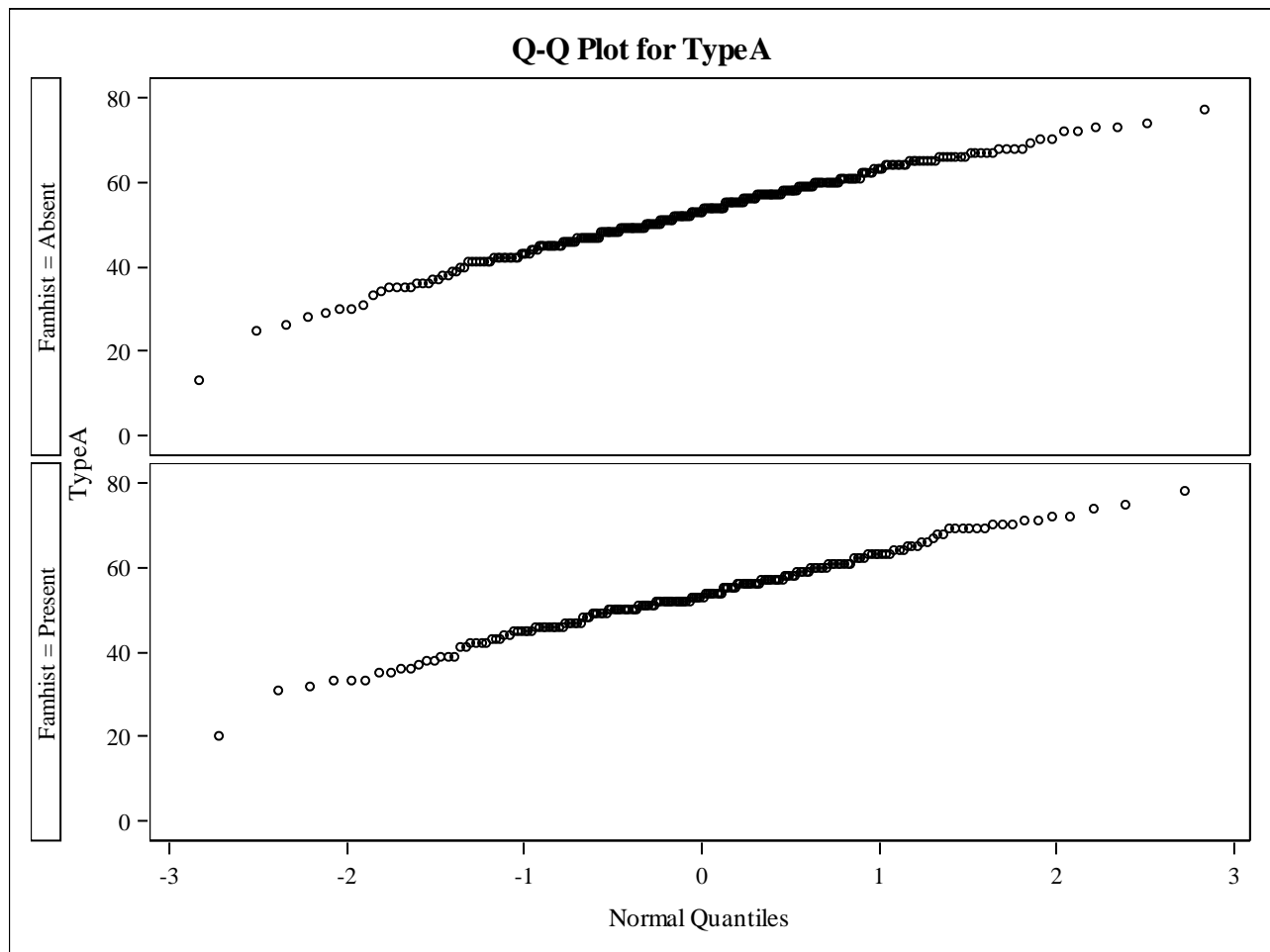
Quantiles (Definition 5)	
Level	Quantile
100% Max	78.0
99%	75.0
95%	70.0
90%	66.0
75% Q3	60.0
50% Median	53.0
25% Q1	47.5
10%	42.0
5%	36.0
1%	31.0
0% Min	20.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
20	424	72	373
31	229	72	408
32	190	74	437
33	444	75	323
33	257	78	311

The SAS System

The UNIVARIATE Procedure



*The SAS System**The UNIVARIATE Procedure*

*The SAS System**The NPARIWAY Procedure*

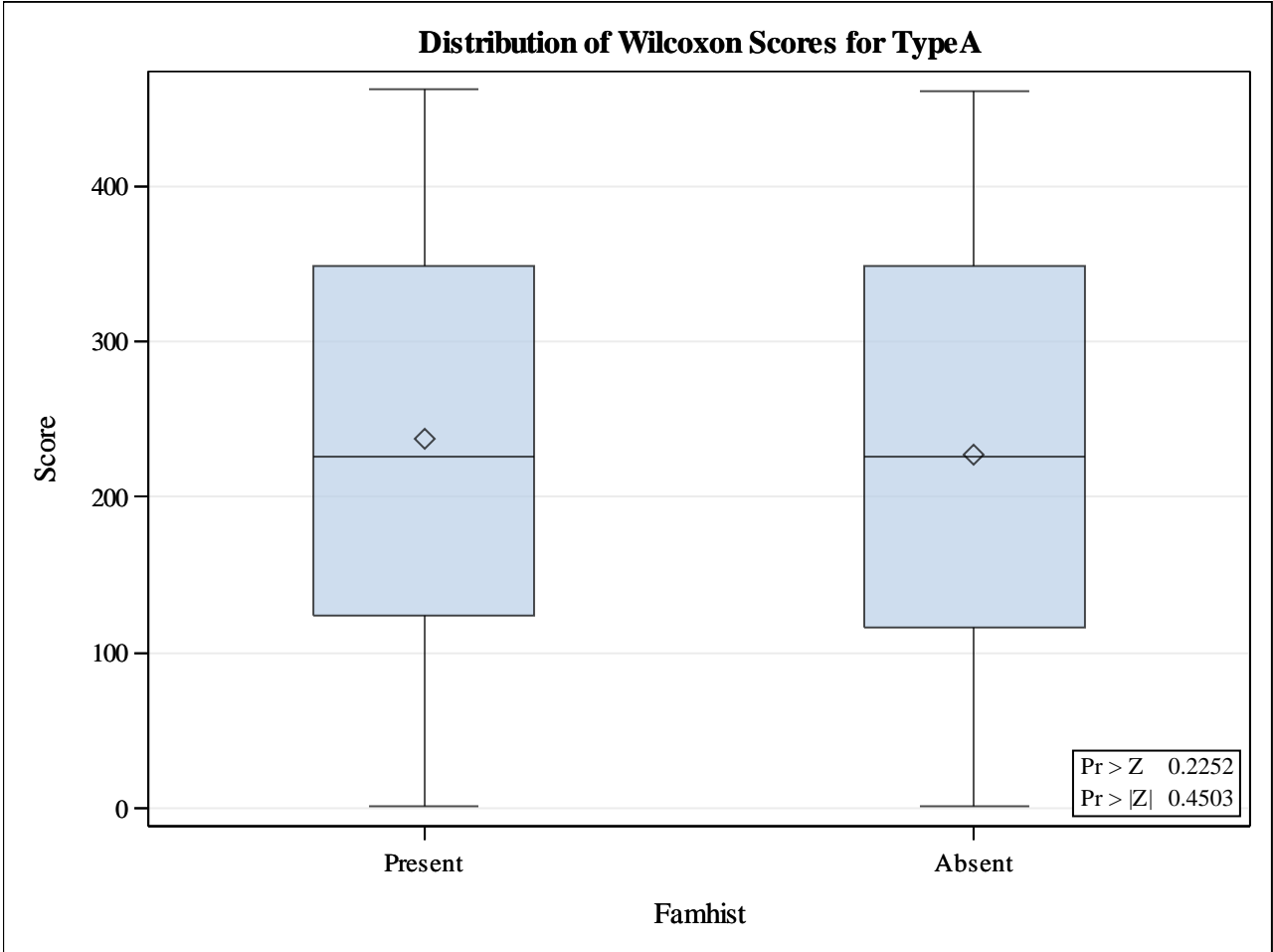
Wilcoxon Scores (Rank Sums) for Variable TypeA Classified by Variable Famhist					
Famhist	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
Present	192	45515.50	44448.0	1413.46144	237.059896
Absent	270	61437.50	62505.0	1413.46144	227.546296
Average scores were used for ties.					

Wilcoxon Two-Sample Test	
Statistic	45515.5000
Normal Approximation	
Z	0.7549
One-Sided Pr > Z	0.2252
Two-Sided Pr > Z	0.4503
t Approximation	
One-Sided Pr > Z	0.2254
Two-Sided Pr > Z	0.4507
Z includes a continuity correction of 0.5.	

Kruskal-Wallis Test	
Chi-Square	0.5704
DF	1
Pr > Chi-Square	0.4501

The SAS System

The NPARIWAY Procedure



*The SAS System**The CORR Procedure*

2 Variables:	Alcohol Tobacco
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Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
Alcohol	462	17.04439	24.48106	7875	0	147.19000	Alcohol
Tobacco	462	3.63565	4.59302	1680	0	31.20000	Tobacco

Pearson Correlation Coefficients, N = 462 Prob > r under H0: Rho=0		
	Alcohol	Tobacco
Alcohol Alcohol	1.00000	0.20081 <.0001
Tobacco Tobacco	0.20081 <.0001	1.00000

*The SAS System**The FREQ Procedure*

Famhist				
Famhist	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Present	192	41.56	192	41.56
Absent	270	58.44	462	100.00

Binomial Proportion	
Famhist = Present	
Proportion	0.4156
ASE	0.0229
95% Lower Conf Limit	0.3706
95% Upper Conf Limit	0.4605
Exact Conf Limits	
95% Lower Conf Limit	0.3702
95% Upper Conf Limit	0.4620

Test of H0: Proportion = 0.4	
ASE under H0	0.0228
Z	0.6838
One-sided Pr > Z	0.2471
Two-sided Pr > Z	0.4941

Sample Size = 462

*The SAS System**The LOGISTIC Procedure*

Model Information		
Data Set	WORK.CHD	
Response Variable	CHD	CHD
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	462
Number of Observations Used	462

Response Profile		
Ordered Value	CHD	Total Frequency
1	1	160
2	0	302

Probability modeled is CHD='1'.

Class Level Information		
Class	Value	Design Variables
Famhist	Absent	0
	Present	1

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	492.140
SC	602.244	533.496
-2 Log L	596.108	472.140

*The SAS System**The LOGISTIC Procedure*

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	123.9684	9	<.0001
Score	109.0388	9	<.0001
Wald	85.2308	9	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
SBP	1	1.2882	0.2564
Tobacco	1	8.9028	0.0028
LDL	1	8.4982	0.0036
BAI	1	0.4027	0.5257
TypeA	1	10.3286	0.0013
BMI	1	2.0214	0.1551
Alcohol	1	0.0007	0.9784
Age	1	13.9014	0.0002
Famhist	1	16.4879	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-6.1507	1.3083	22.1036	<.0001
SBP		1	0.00650	0.00573	1.2882	0.2564
Tobacco		1	0.0794	0.0266	8.9028	0.0028
LDL		1	0.1739	0.0597	8.4982	0.0036
BAI		1	0.0186	0.0293	0.4027	0.5257
TypeA		1	0.0396	0.0123	10.3286	0.0013
BMI		1	-0.0629	0.0442	2.0214	0.1551
Alcohol		1	0.000122	0.00448	0.0007	0.9784
Age		1	0.0452	0.0121	13.9014	0.0002
Famhist	Present	1	0.9254	0.2279	16.4879	<.0001

The SAS System

The LOGISTIC Procedure

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
SBP	1.007	0.995	1.018
Tobacco	1.083	1.028	1.141
LDL	1.190	1.059	1.338
BAI	1.019	0.962	1.079
TypeA	1.040	1.016	1.066
BMI	0.939	0.861	1.024
Alcohol	1.000	0.991	1.009
Age	1.046	1.022	1.071
Famhist Present vs Absent	2.523	1.614	3.943

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	79.4	Somers' D	0.590
Percent Discordant	20.4	Gamma	0.591
Percent Tied	0.2	Tau-a	0.268
Pairs	48320	c	0.795

Partition for the Hosmer and Lemeshow Test					
Group	Total	CHD = 1		CHD = 0	
		Observed	Expected	Observed	Expected
1	46	1	1.74	45	44.26
2	46	4	3.94	42	42.06
3	46	9	6.49	37	39.51
4	46	7	8.80	39	37.20
5	46	12	12.24	34	33.76
6	46	21	15.86	25	30.14
7	46	17	19.92	29	26.08
8	46	22	24.43	24	21.57
9	46	27	29.43	19	16.57
10	48	40	37.15	8	10.85

*The SAS System**The LOGISTIC Procedure*

Hosmer and Lemeshow Goodness-of-Fit Test		
Chi-Square	DF	Pr > ChiSq
7.2507	8	0.5098

*The SAS System**The LOGISTIC Procedure*

Model Information		
Data Set	WORK.CHD	
Response Variable	CHD	CHD
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	462
Number of Observations Used	462

Response Profile		
Ordered Value	CHD	Total Frequency
1	1	160
2	0	302

Probability modeled is CHD='1'.

Stepwise Selection Procedure

Class Level Information		
Class	Value	Design Variables
Famhist	Absent	-1
	Present	1

Step 0. Intercept entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

-2 Log L	=	596.108
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*The SAS System**The LOGISTIC Procedure*

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
109.0388	9	<.0001

Step 1. Effect Age entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	529.562
SC	602.244	537.833
-2 Log L	596.108	525.562

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	70.5461	1	<.0001
Score	64.2684	1	<.0001
Wald	56.4428	1	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
51.4206	8	<.0001

Note: No effects for the model in Step 1 are removed.

Step 2. Effect Famhist entered:

*The SAS System**The LOGISTIC Procedure*

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	512.658
SC	602.244	525.065
-2 Log L	596.108	506.658

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	89.4503	2	<.0001
Score	80.6802	2	<.0001
Wald	68.0493	2	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
33.2596	7	<.0001

Note: No effects for the model in Step 2 are removed.

Step 3. Effect Tobacco entered:

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

*The SAS System**The LOGISTIC Procedure*

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	503.385
SC	602.244	519.928
-2 Log L	596.108	495.385

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	100.7230	3	<.0001
Score	91.3271	3	<.0001
Wald	74.6203	3	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
22.8034	6	0.0009

Note: No effects for the model in Step 3 are removed.

*Step 4. Effect TypeA
entered:*

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	494.714
SC	602.244	515.392
-2 Log L	596.108	484.714

*The SAS System**The LOGISTIC Procedure*

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	111.3941	4	<.0001
Score	98.3611	4	<.0001
Wald	77.8614	4	<.0001

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
12.5568	5	0.0279

Note: No effects for the model in Step 4 are removed.

*Step 5. Effect LDL
entered:*

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	487.686
SC	602.244	512.499
-2 Log L	596.108	475.686

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	120.4228	5	<.0001
Score	105.5848	5	<.0001
Wald	82.5120	5	<.0001

*The SAS System**The LOGISTIC Procedure*

Residual Chi-Square Test		
Chi-Square	DF	Pr > ChiSq
3.4772	4	0.4814

Note: No effects for the model in Step 5 are removed.

Note: No (additional) effects met the 0.05 significance level for entry into the model.

Summary of Stepwise Selection								
Step	Effect		DF	Number In	Score Chi-Square	Wald Chi-Square	Pr > ChiSq	Variable Label
	Entered	Removed						
1	Age		1	1	64.2684		<.0001	Age
2	Famhist		1	2	19.0794		<.0001	Famhist
3	Tobacco		1	3	11.0460		0.0009	Tobacco
4	TypeA		1	4	10.4263		0.0012	TypeA
5	LDL		1	5	9.0922		0.0026	LDL

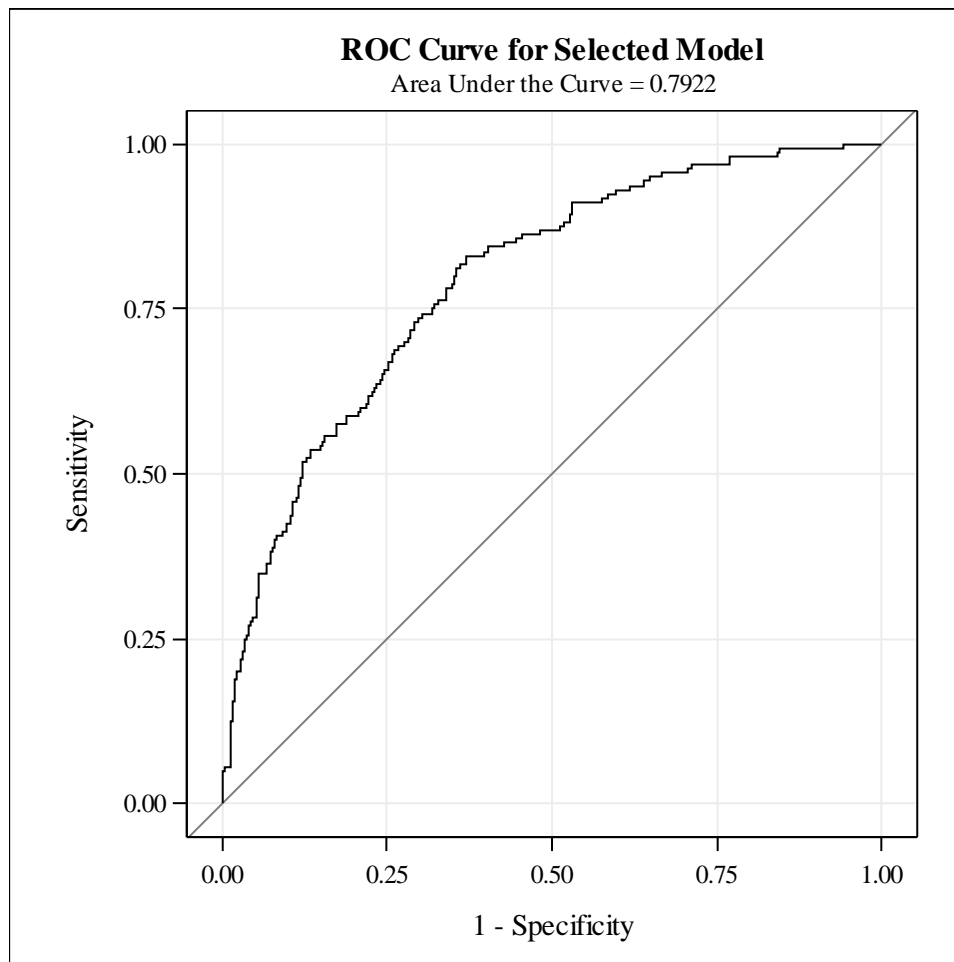
Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Tobacco	1	9.6456	0.0019
LDL	1	8.6846	0.0032
TypeA	1	9.3058	0.0023
Age	1	24.4446	<.0001
Famhist	1	16.1827	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-5.9923	0.9174	42.6626	<.0001
Tobacco		1	0.0804	0.0259	9.6456	0.0019
LDL		1	0.1620	0.0550	8.6846	0.0032
TypeA		1	0.0371	0.0122	9.3058	0.0023
Age		1	0.0505	0.0102	24.4446	<.0001
Famhist	Present	1	0.4541	0.1129	16.1827	<.0001

*The SAS System**The LOGISTIC Procedure*

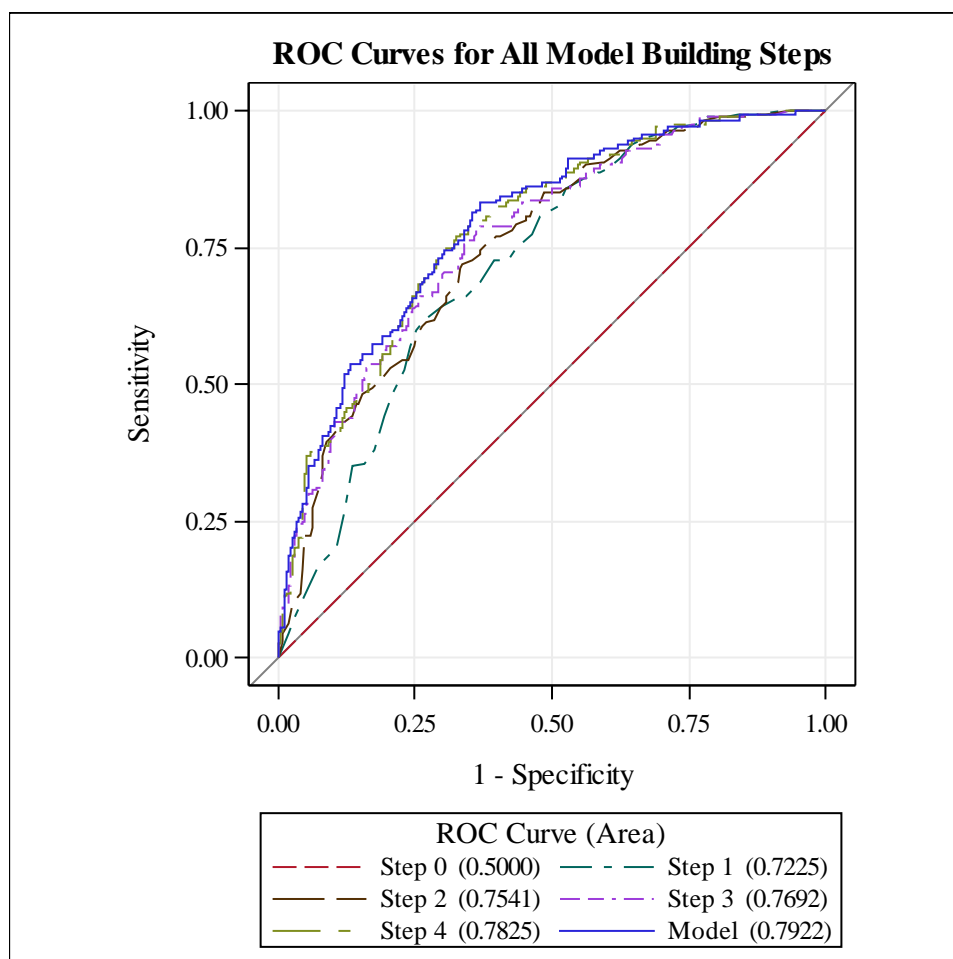
Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
Tobacco	1.084	1.030	1.140
LDL	1.176	1.056	1.310
TypeA	1.038	1.013	1.063
Age	1.052	1.031	1.073
Famhist Present vs Absent	2.480	1.593	3.860

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	79.2	Somers' D	0.584
Percent Discordant	20.8	Gamma	0.584
Percent Tied	0.0	Tau-a	0.265
Pairs	48320	c	0.792

*The SAS System**The LOGISTIC Procedure*

The SAS System

The LOGISTIC Procedure

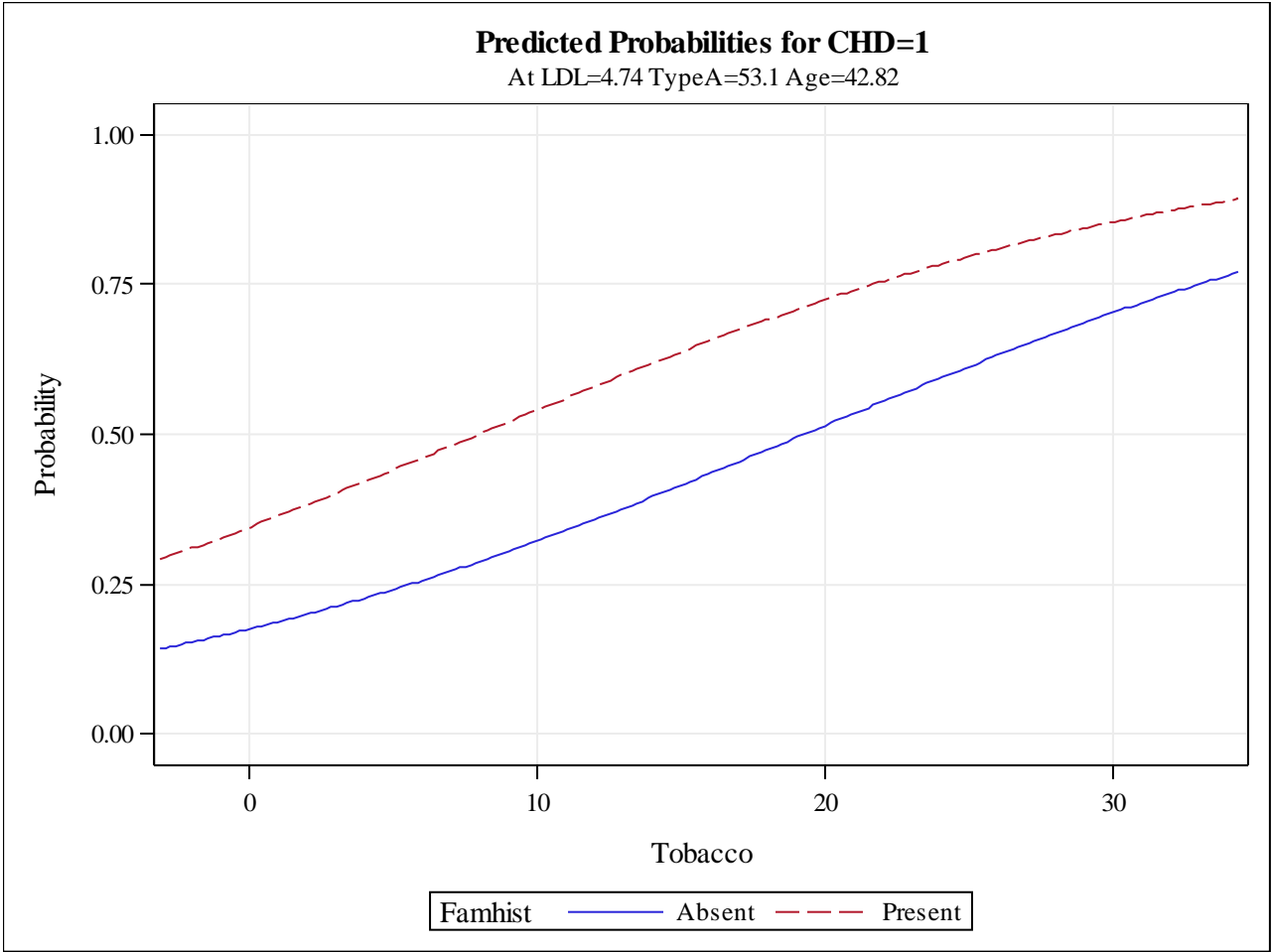


Partition for the Hosmer and Lemeshow Test					
Group	Total	CHD = 1		CHD = 0	
		Observed	Expected	Observed	Expected
1	46	1	1.72	45	44.28
2	46	4	3.92	42	42.08
3	46	8	6.61	38	39.39
4	46	9	9.06	37	36.94
5	46	12	12.42	34	33.58
6	46	18	16.08	28	29.92
7	46	19	20.43	27	25.57
8	46	23	24.37	23	21.63
9	46	28	28.48	18	17.52
10	48	38	36.91	10	11.09

The SAS System

The LOGISTIC Procedure

Hosmer and Lemeshow Goodness-of-Fit Test		
Chi-Square	DF	Pr > ChiSq
1.5312	8	0.9922



*The SAS System**The LOGISTIC Procedure*

Model Information		
Data Set	WORK.CHD	
Response Variable	CHD	CHD
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	462
Number of Observations Used	462

Response Profile		
Ordered Value	CHD	Total Frequency
1	1	160
2	0	302

Probability modeled is CHD='1'.

Class Level Information		
Class	Value	Design Variables
Famhist	Absent	0
	Present	1

Model Convergence Status
Convergence criterion (GCONV=1E-8) satisfied.

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	598.108	487.686
SC	602.244	512.499
-2 Log L	596.108	475.686

*The SAS System**The LOGISTIC Procedure*

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	120.4228	5	<.0001
Score	105.5848	5	<.0001
Wald	82.5120	5	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Tobacco	1	9.6456	0.0019
LDL	1	8.6846	0.0032
TypeA	1	9.3058	0.0023
Age	1	24.4446	<.0001
Famhist	1	16.1827	<.0001

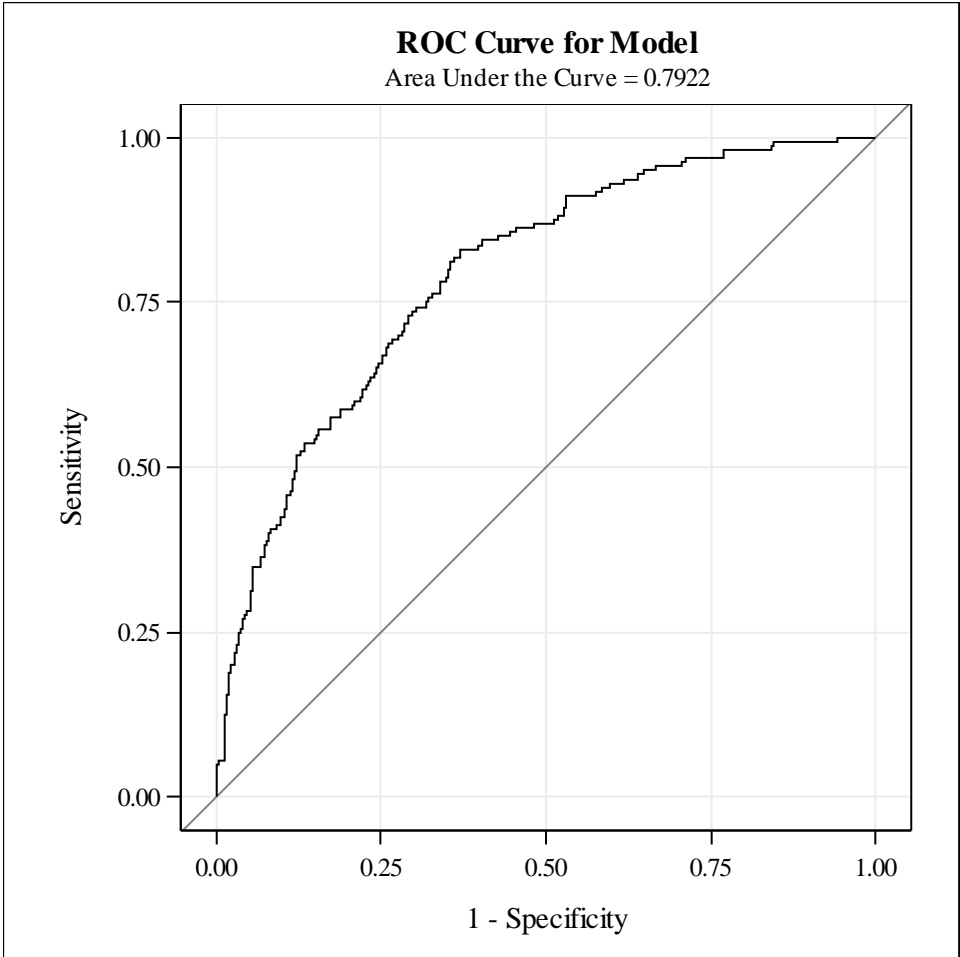
Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-6.4464	0.9209	49.0051	<.0001
Tobacco		1	0.0804	0.0259	9.6456	0.0019
LDL		1	0.1620	0.0550	8.6846	0.0032
TypeA		1	0.0371	0.0122	9.3058	0.0023
Age		1	0.0505	0.0102	24.4446	<.0001
Famhist	Present	1	0.9082	0.2258	16.1827	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
Tobacco	1.084	1.030	1.140
LDL	1.176	1.056	1.310
TypeA	1.038	1.013	1.063
Age	1.052	1.031	1.073
Famhist Present vs Absent	2.480	1.593	3.860

The SAS System

The LOGISTIC Procedure

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*The SAS System**The LOGISTIC Procedure*

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The SAS System

The LOGISTIC Procedure

