

Model Information		
Data Set	SASHELP.HEART	Framingham Heart Study
Response Variable	Status	
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	4410
Number of Observations Used	4286

Response Profile		
Ordered Value	Status	Total Frequency
1	Alive	2528
2	Dead	1758

Probability modeled is Status='Dead'.

Note: 124 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information			
Class	Value	Design Variables	
Chol_Status	Borderline	1	0
	Desirable	0	1
	High	0	0
BP_Status	High	1	
	Normal	0	

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	5804.570	5563.332
SC	5810.933	5588.785
-2 Log L	5802.570	5555.332

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	247.2372	3	<.0001
Score	242.9122	3	<.0001
Wald	234.9169	3	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Chol_Status	2	45.8658	<.0001
BP_Status	1	170.6734	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.5658	0.0643	77.3684	<.0001
Chol_Status	Borderline	1	-0.3071	0.0732	17.5833	<.0001
Chol_Status	Desirable	1	-0.5531	0.0838	43.5966	<.0001
BP_Status	High	1	0.8445	0.0646	170.6734	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
Chol_Status Borderline vs High	0.736	0.637	0.849
Chol_Status Desirable vs High	0.575	0.488	0.678
BP_Status High vs Normal	2.327	2.050	2.641

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	55.5	Somers' D	0.275
Percent Discordant	28.0	Gamma	0.330
Percent Tied	16.6	Tau-a	0.133
Pairs	4444224	c	0.637