

The LOGISTIC Procedure

Model Information		
Data Set	WORK.FRMIGHAM1	
Response Variable	DIABETES	Diabetic Y/N
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	3263
Number of Observations Used	3013

Response Profile		
Ordered Value	DIABETES	Total Frequency
1	0	2782
2	1	231

Probability modeled is DIABETES=0.

Note: 250 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information		
Class	Value	Design Variables
SEX	1	1
	2	-1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	1632.361	1574.959
SC	1638.372	1605.012
-2 Log L	1630.361	1564.959

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	65.4027	4	<.0001
Score	66.5709	4	<.0001
Wald	63.6712	4	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
AGE	1	38.2626	<.0001
SEX	1	3.5276	0.0604
BMI	1	26.9868	<.0001
LDLC	1	1.1859	0.2762

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	7.5240	0.7489	100.9466	<.0001
AGE		1	-0.0514	0.00831	38.2626	<.0001
SEX	1	1	-0.1320	0.0703	3.5276	0.0604
BMI		1	-0.0814	0.0157	26.9868	<.0001
LDLC		1	0.00166	0.00153	1.1859	0.2762

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
AGE	0.950	0.935	0.965
SEX 1 vs 2	0.768	0.583	1.012
BMI	0.922	0.894	0.951
LDLC	1.002	0.999	1.005

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	65.4	Somers' D	0.309
Percent Discordant	34.6	Gamma	0.309
Percent Tied	0.0	Tau-a	0.044
Pairs	642642	c	0.654