

The LOGISTIC Procedure

Model Information		
Data Set	WORK.FRMGHAM2	
Response Variable	CURSMOKE	Current Cig Smoker Y/N
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	3263
Number of Observations Used	3263

Response Profile		
Ordered Value	CURSMOKE	Total Frequency
1	Current smoker	1121
2	Not current smoker	2142

Probability modeled is CURSMOKE='Current smoker'.

Class Level Information		
Class	Value	Design Variables
SEX	Female	1
	Male	-1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	4200.577	4180.939
SC	4206.667	4193.119
-2 Log L	4198.577	4176.939

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	21.6380	1	<.0001
Score	21.7193	1	<.0001
Wald	21.6482	1	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
SEX	1	21.6482	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.6261	0.0372	283.7660	<.0001
SEX	Female	1	-0.1729	0.0372	21.6482	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
SEX Female vs Male	0.708	0.612	0.819

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	29.0	Somers' D	0.085
Percent Discordant	20.6	Gamma	0.171
Percent Tied	50.4	Tau-a	0.038
Pairs	2401182	c	0.542