The LOGISTIC Procedure

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

Number of Observations Read	2000
Number of Observations Used	2000

Response Profile		
Ordered Value	**OUTCOME**	**Total Frequency**
1	Case	1000
2	Control	1000

Probability modeled is OUTCOME='Case'.

Class Level Information			
Class	**Value**	**Design Variables**	
SES	**1-Low**	1	0
	2-Medium	0	0
	3-High	0	1

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

Model Fit Statistics		
Criterion	**Intercept Only**	**Intercept and Covariates**
AIC	2774.589	1946.815
SC	2780.190	1974.819
-2 Log L	2772.589	1936.815

Testing Global Null Hypothesis: BETA=0			
Test	**Chi-Square**	**DF**	**Pr > ChiSq**
Likelihood Ratio	835.7741	4	<.0001
Score	696.0566	4	<.0001
Wald	490.5215	4	<.0001

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Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
SMOKING	1	277.2260	<.0001
ASBESTOS	1	232.7040	<.0001
SES	2	27.5915	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-0.9494	0.1179	64.7902	<.0001
SMOKING		1	2.2050	0.1324	277.2260	<.0001
ASBESTOS		1	2.5606	0.1679	232.7040	<.0001
SES	1-Low	1	0.1275	0.1484	0.7381	0.3903
SES	3-High	1	-0.5203	0.1431	13.2191	0.0003

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
SMOKING	9.070	6.997	11.758
ASBESTOS	12.944	9.315	17.986
SES 1-Low vs 2-Medium	1.136	0.849	1.519
SES 3-High vs 2-Medium	0.594	0.449	0.787

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	78.7	Somers' D	0.665
Percent Discordant	12.1	Gamma	0.733
Percent Tied	9.2	Tau-a	0.333
Pairs	1000000	c	0.833

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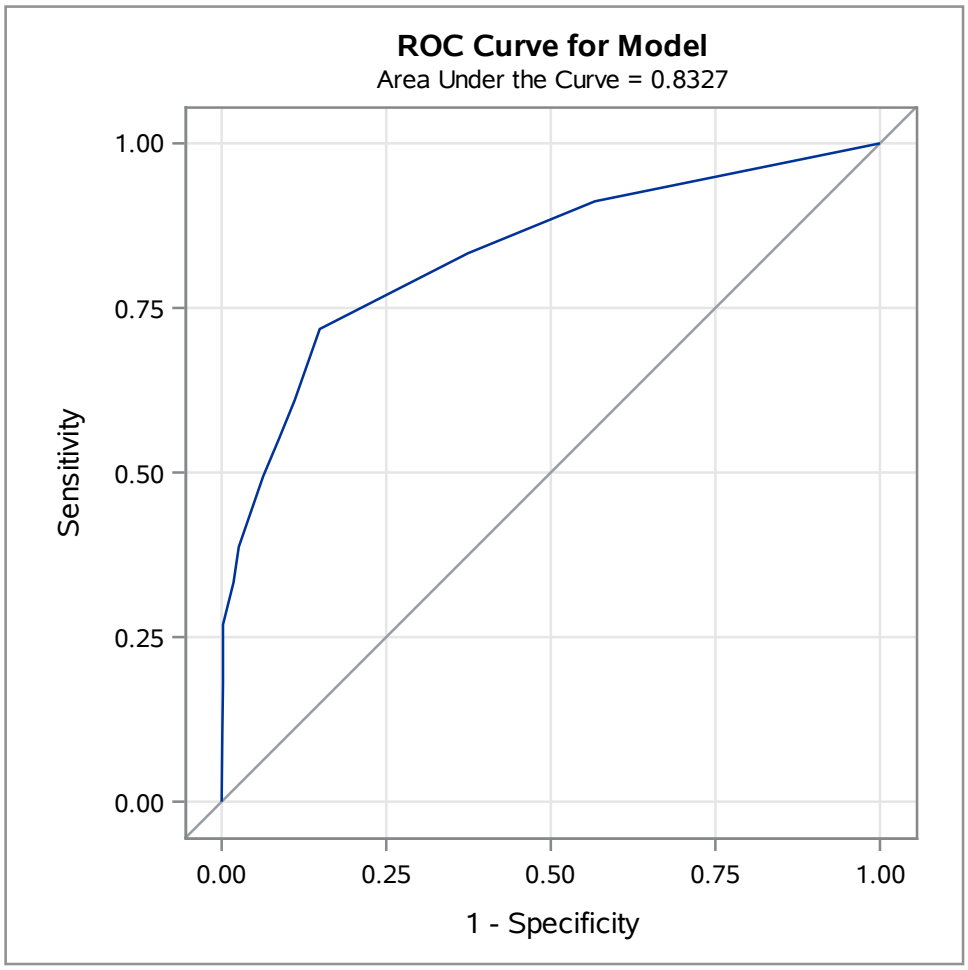

Classification Table

Prob Level	Correct		Incorrect		Percentages				
	Event	Non-Event	Event	Non-Event	Correct	Sensi-tivity	Speci-ficity	False POS	False NEG
0.000	1000	0	1000	0	50.0	100.0	0.0	50.0	.
0.100	1000	0	1000	0	50.0	100.0	0.0	50.0	.
0.200	912	433	567	88	67.3	91.2	43.3	38.3	16.9
0.300	833	626	374	167	73.0	83.3	62.6	31.0	21.1
0.400	718	851	149	282	78.5	71.8	85.1	17.2	24.9
0.500	718	851	149	282	78.5	71.8	85.1	17.2	24.9
0.600	718	851	149	282	78.5	71.8	85.1	17.2	24.9
0.700	610	889	111	390	75.0	61.0	88.9	15.4	30.5
0.800	387	937	63	613	66.2	38.7	93.7	14.0	39.5
0.900	269	998	2	731	63.4	26.9	99.8	0.7	42.3
1.000	0	1000	0	1000	50.0	0.0	100.0	.	50.0