

The LOGISTIC Procedure

Model Information	
Data Set	WORK.SMOKE
Response Variable (Events)	y
Response Variable (Trials)	n
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	2
Number of Observations Used	2
Sum of Frequencies Read	5375
Sum of Frequencies Used	5375

Response Profile		
Ordered Value	Binary Outcome	Total Frequency
1	Event	1004
2	Nonevent	4371

Class Level Information		
Class	Value	Design Variables
s	nosmoke	0
	smoke	1

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

Deviance and Pearson Goodness-of-Fit Statistics				
Criterion	Value	DF	Value/DF	Pr > ChiSq
Deviance	0.0000	0	.	.
Pearson	0.0000	0	.	.

Number of events/trials observations: 2

The LOGISTIC Procedure

Model Fit Statistics			
Criterion	Intercept Only	Intercept and Covariates	
		Log Likelihood	Full Log Likelihood
AIC	5178.510	5151.390	19.242
SC	5185.100	5164.569	32.421
-2 Log L	5176.510	5147.390	15.242

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	29.1207	1	<.0001
Score	27.6766	1	<.0001
Wald	27.3361	1	<.0001

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
s	1	27.3361	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	-1.8266	0.0786	540.2949	<.0001
s	smoke	1	0.4592	0.0878	27.3361	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
s smoke vs nosmoke	1.583	1.332	1.880

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	21.7	Somers' D	0.080
Percent Discordant	13.7	Gamma	0.226
Percent Tied	64.6	Tau-a	0.024
Pairs	4388484	c	0.540