

The SAS System

The LOGISTIC Procedure

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

Number of Observations Read	50
Number of Observations Used	50

Response Profile		
Ordered Value	y_s	Total Frequency
1	0	21
2	1	29

Probability modeled is y_s=0.

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	70.029	57.848
SC	71.941	61.672
-2 Log L	68.029	53.848

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	14.1811	1	0.0002
Score	12.9365	1	0.0003
Wald	10.1360	1	0.0015

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	8.0237	2.6398	9.2389	0.0024
x_s	1	-0.1584	0.0498	10.1360	0.0015

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits	
x_s	0.853	0.774	0.941

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	76.0	Somers' D	0.522
Percent Discordant	23.8	Gamma	0.523
Percent Tied	0.2	Tau-a	0.260
Pairs	609	c	0.761