

The LOGISTIC Procedure

Model Information		
Data Set	WORK.HEART_ATTACK	
Response Variable	ha2	2nd Heart Attack
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	40
Number of Observations Used	40

Response Profile		
Ordered Value	ha2	Total Frequency
1	No	20
2	Yes	20

Probability modeled is ha2='Yes'.

Class Level Information		
Class	Value	Design Variables
treatment	No	0
	Yes	1

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	57.452	35.753
SC	59.141	40.820
-2 Log L	55.452	29.753

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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	25.6988	2	<.0001
Score	20.3024	2	<.0001
Wald	11.3897	2	0.0034

Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
treatment	1	7.3879	0.0066
anxiety	1	8.4033	0.0037

Analysis of Maximum Likelihood Estimates							
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq	Label
Intercept		1	-6.3834	2.5048	6.4949	0.0108	Intercept: ha2=No
treatment	Yes	1	-2.7331	1.0055	7.3879	0.0066	Received Treatment for Anger Yes
anxiety		1	0.1397	0.0482	8.4033	0.0037	Anxiety Score

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
treatment Yes vs No	0.065	0.009	0.467
anxiety	1.150	1.046	1.264

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	89.5	Somers' D	0.823
Percent Discordant	7.3	Gamma	0.850
Percent Tied	3.3	Tau-a	0.422
Pairs	400	c	0.911