

The LOGISTIC Procedure

Model Information

Data Set	WORK.EAGLES
Response Variable (Events)	success
Response Variable (Trials)	attempt
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	8
Number of Observations Used	8
Sum of Frequencies Read	160
Sum of Frequencies Used	160

Response Profile

Ordered Value	Binary Outcome	Total Frequency
1	Event	100
2	Nonevent	60

Model Convergence Status

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

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	213.700	98.389
SC	216.775	110.690
-2 Log L	211.700	90.389

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	121.3111	3	<.0001
Score	89.8664	3	<.0001
Wald	24.9749	3	<.0001

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Chi-Square	Pr > ChiSq
Intercept	1	-4.3125	1.0658	16.3712	<.0001
pirlarge	1	4.5568	1.0544	18.6773	<.0001
piradult	1	1.0973	0.5465	4.0320	0.0446
fesmall	1	4.9330	1.1192	19.4260	<.0001

Odds Ratio Estimates

Effect	Point Estimate	95% Wald Confidence Limits
pirlarge	95.279	12.064 752.486
piradult	2.996	1.027 8.744
fesmall	138.793	15.477 >999.999

Association of Predicted Probabilities and Observed Responses

Percent Concordant	90.8	Somers' D	0.869
Percent Discordant	3.9	Gamma	0.918
Percent Tied	5.3	Tau-a	0.410
Pairs	6000	c	0.935