

The SAS System

The LOGISTIC Procedure

Model Information

Data Set	IA.READYTOPROBIT
Response Variable	conflict
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	56
Number of Observations Used	56

Response Profile		
Ordered Value	conflict	Total Frequency
1	1	7
2	0	49

Note	Probability modeled is conflict=1.
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Model Convergence Status

Quasi—complete separation of data points detected.

Model Fit Statistics

Criterion	Intercept Only	Intercept and Covariates
AIC	44.198	40.279
SC	46.224	48.381
-2 Log L	42.198	32.279

Testing Global Null Hypothesis: BETA=0

Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	9.9189	3	0.0193
Score	15.5463	3	0.0014
Wald	1.2069	3	0.7514

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	−2.6446	0.9485	7.7743	0.0053
growth	1	0.0451	0.0451	1.0029	0.3166
colonypop	1	0.000011	0.000458	0.0006	0.9805
Win20km	1	14.8856	481.9	0.0010	0.9754

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
growth	1.046	0.958	1.143
colonypop	1.000	0.999	1.001
Win20km	>999.999	<0.001	>999.999

Association of Predicted Probabilities and Observed Responses				
Percent Concordant	81.3	Somers' D		0.641
Percent Discordant	17.2	Gamma		0.651
Percent Tied	1.5	Tau-a		0.143
Pairs	343	c		0.821