

The LOGISTIC Procedure

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

Number of Observations Read	2201
Number of Observations Used	2201

Response Profile		
Ordered Value	Survived	Total Frequency
1	0	1490
2	1	711

Probability modeled is Survived=1.

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	2771.457	2131.451
SC	2777.153	2171.327
-2 Log L	2769.457	2117.451

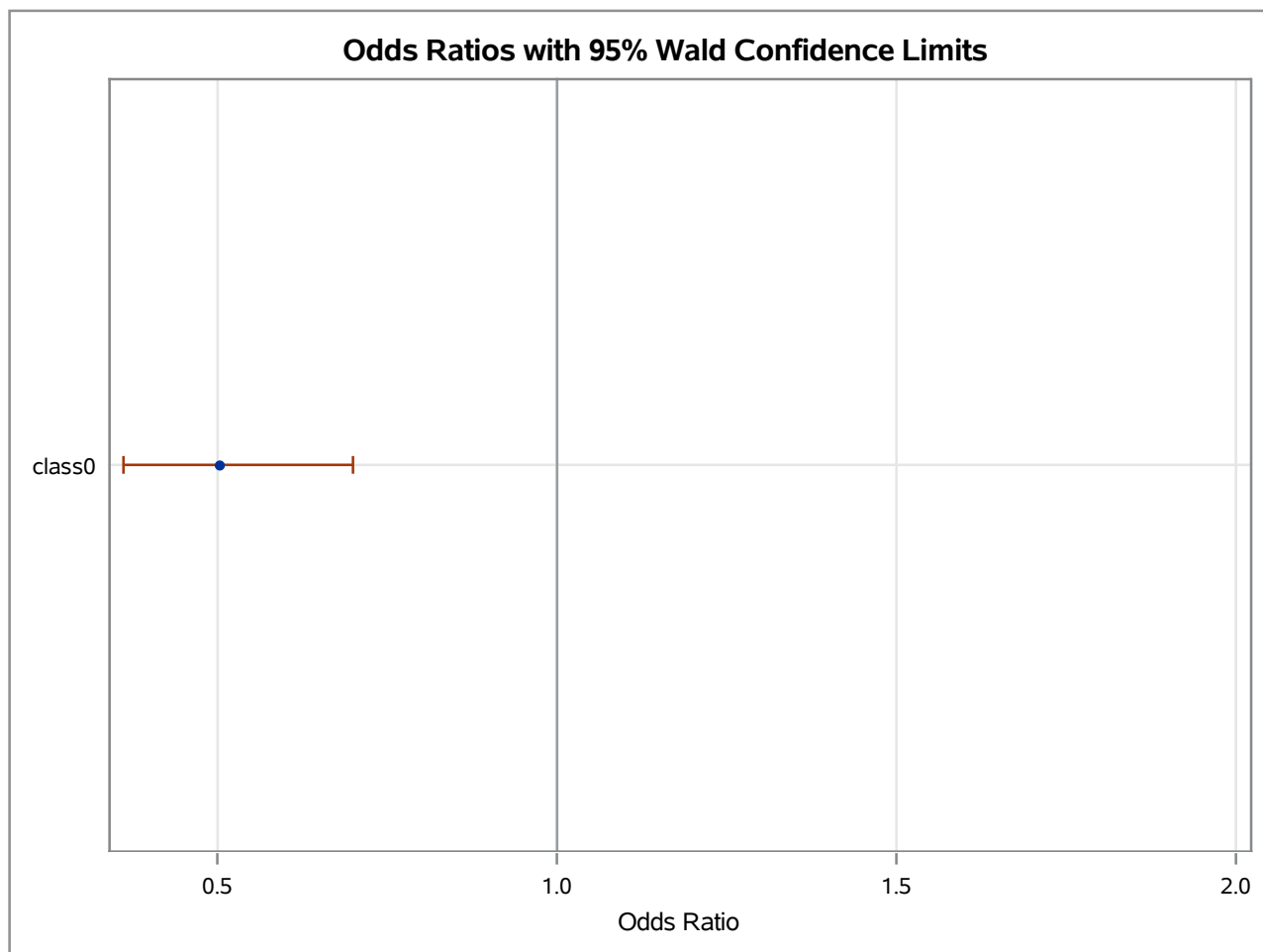
R-Square	0.2564	Max-rescaled R-Square	0.3582
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Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	652.0062	6	<.0001
Score	629.5893	6	<.0001
Wald	316.2290	6	<.0001

The LOGISTIC Procedure

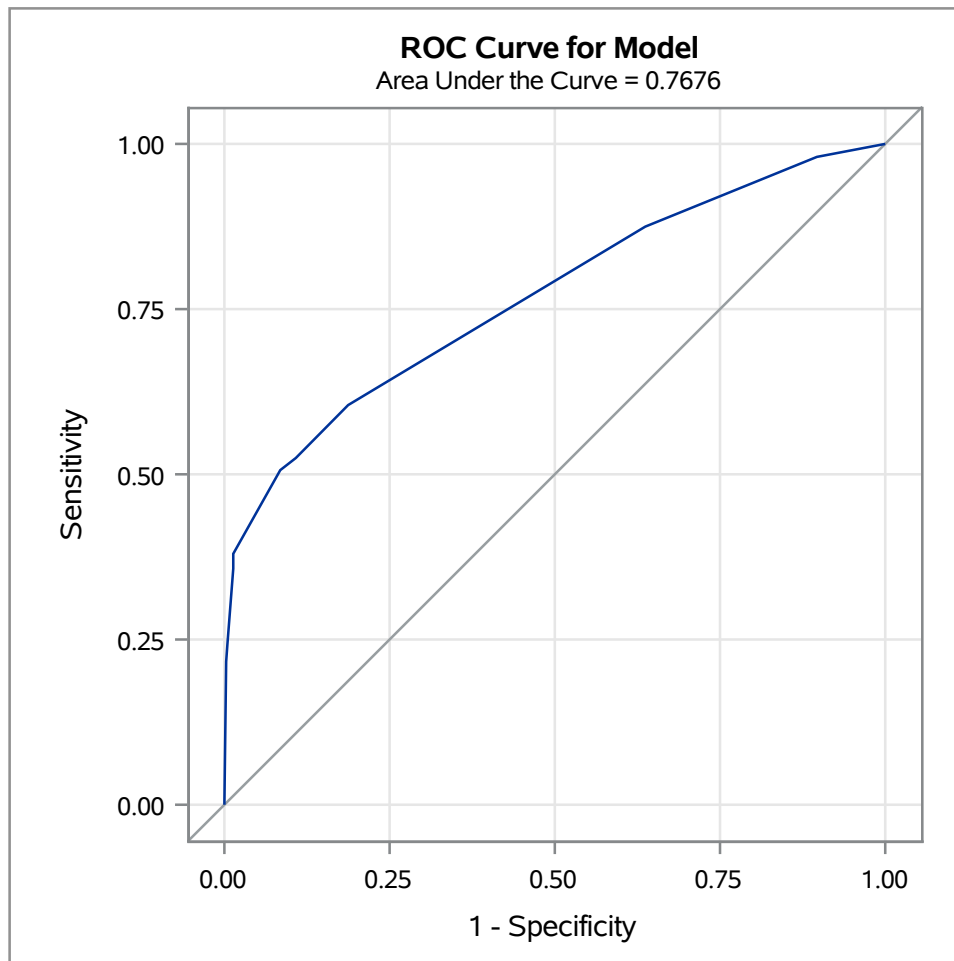
Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	3.4837	0.3014	133.6350	<.0001
class0	1	-0.6878	0.1685	16.6631	<.0001
class3	1	-3.6473	0.3337	119.4584	<.0001
Sex	1	-2.8045	0.3987	49.4888	<.0001
class2*Age	1	-1.7510	0.2681	42.6509	<.0001
class3*Sex	1	2.4913	0.3485	51.1143	<.0001
Sex*Age	1	-1.2523	0.2793	20.1003	<.0001

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
class0	0.503	0.361	0.699

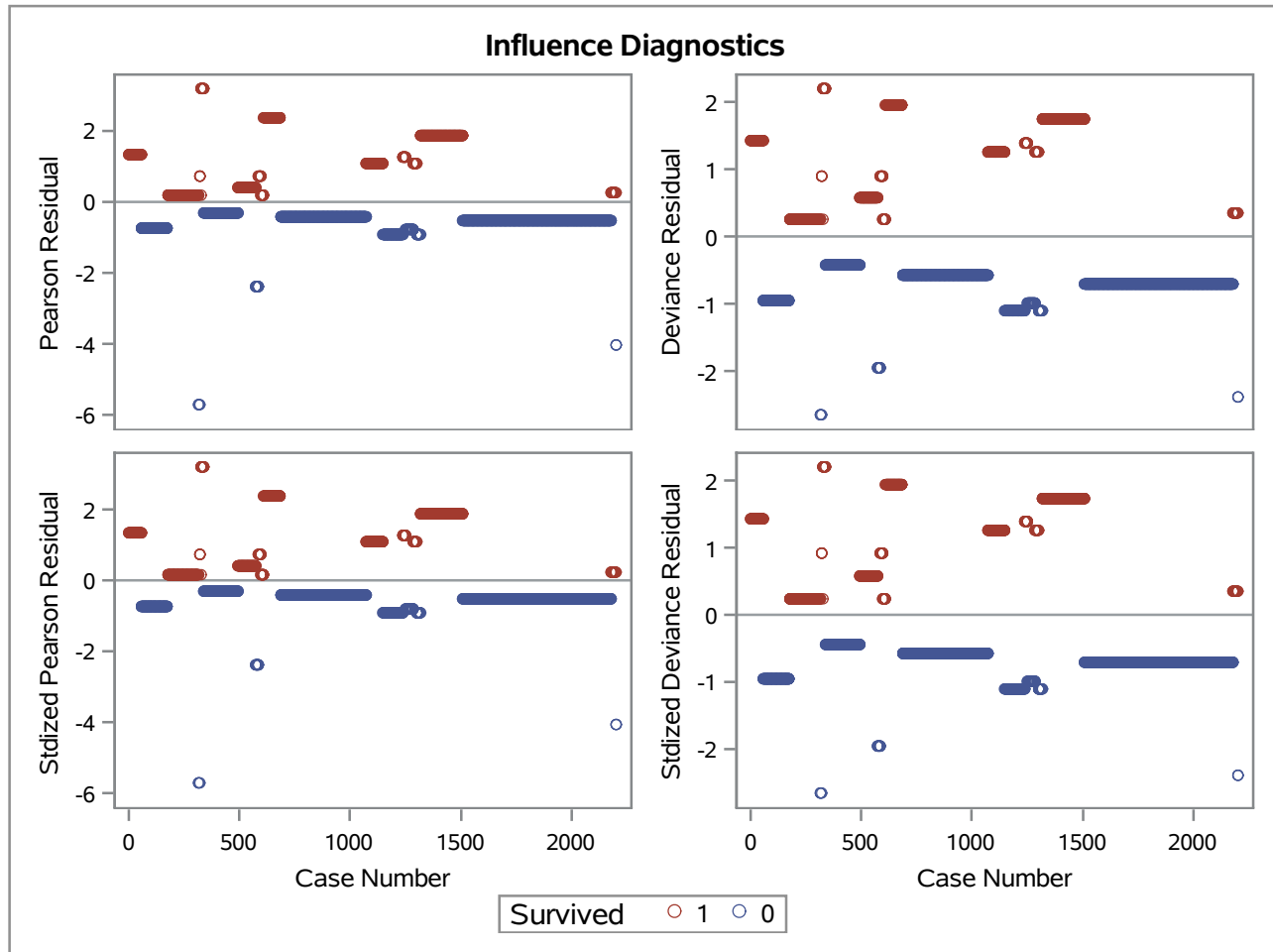


The LOGISTIC Procedure

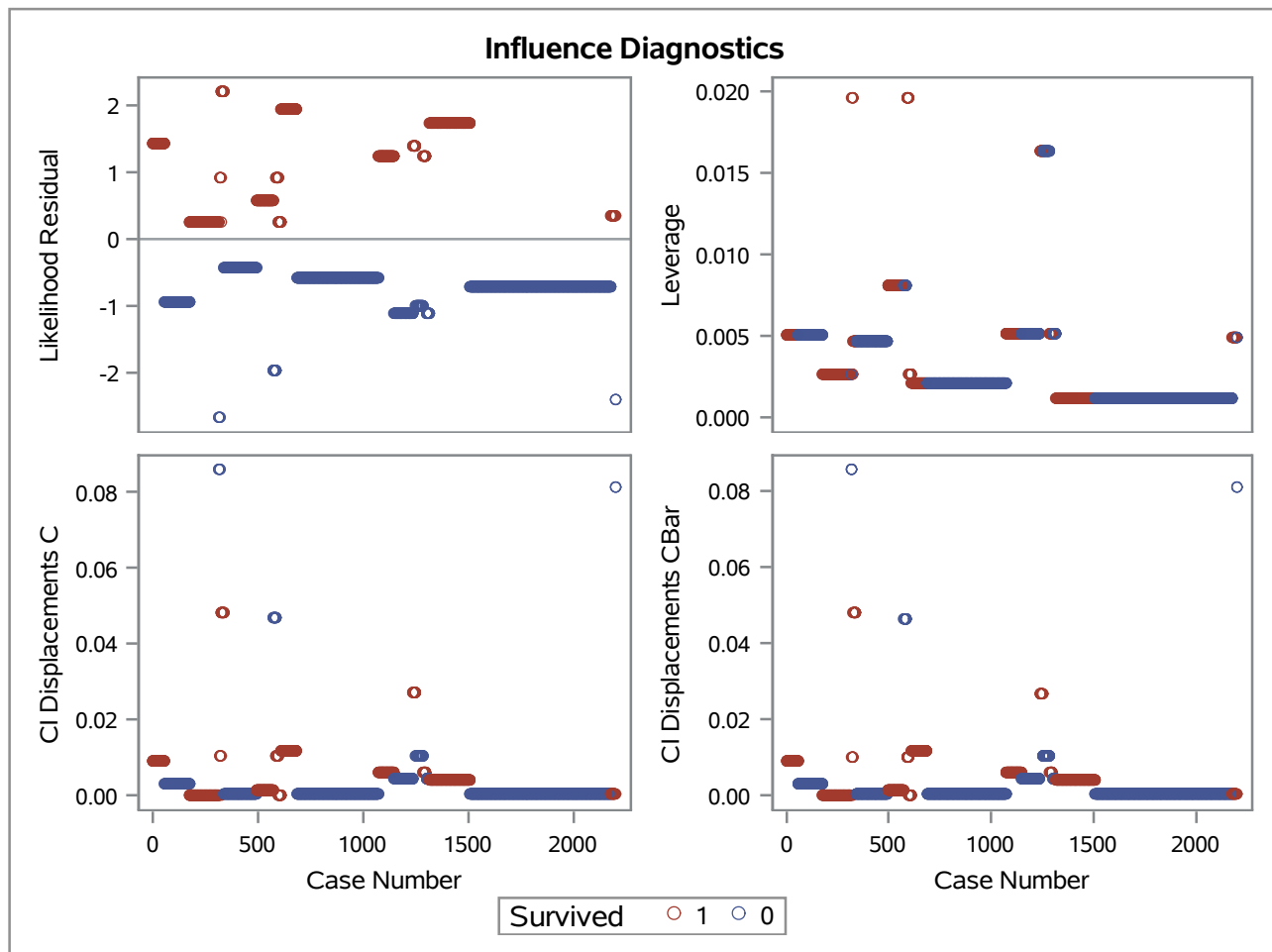
Association of Predicted Probabilities and Observed Responses			
Percent Concordant	68.4	Somers' D	0.535
Percent Discordant	14.8	Gamma	0.644
Percent Tied	16.8	Tau-a	0.234
Pairs	1059390	c	0.768



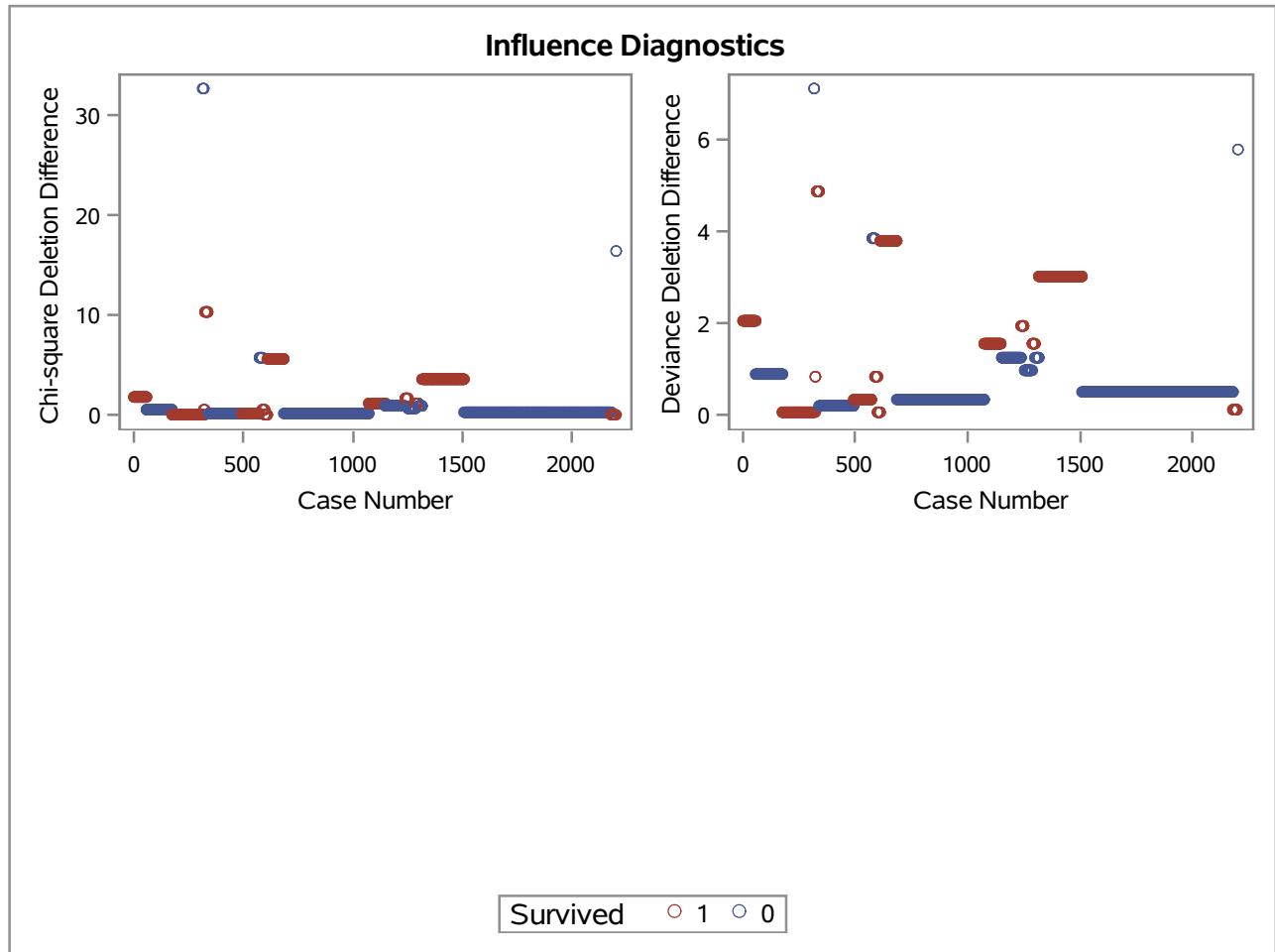
The LOGISTIC Procedure



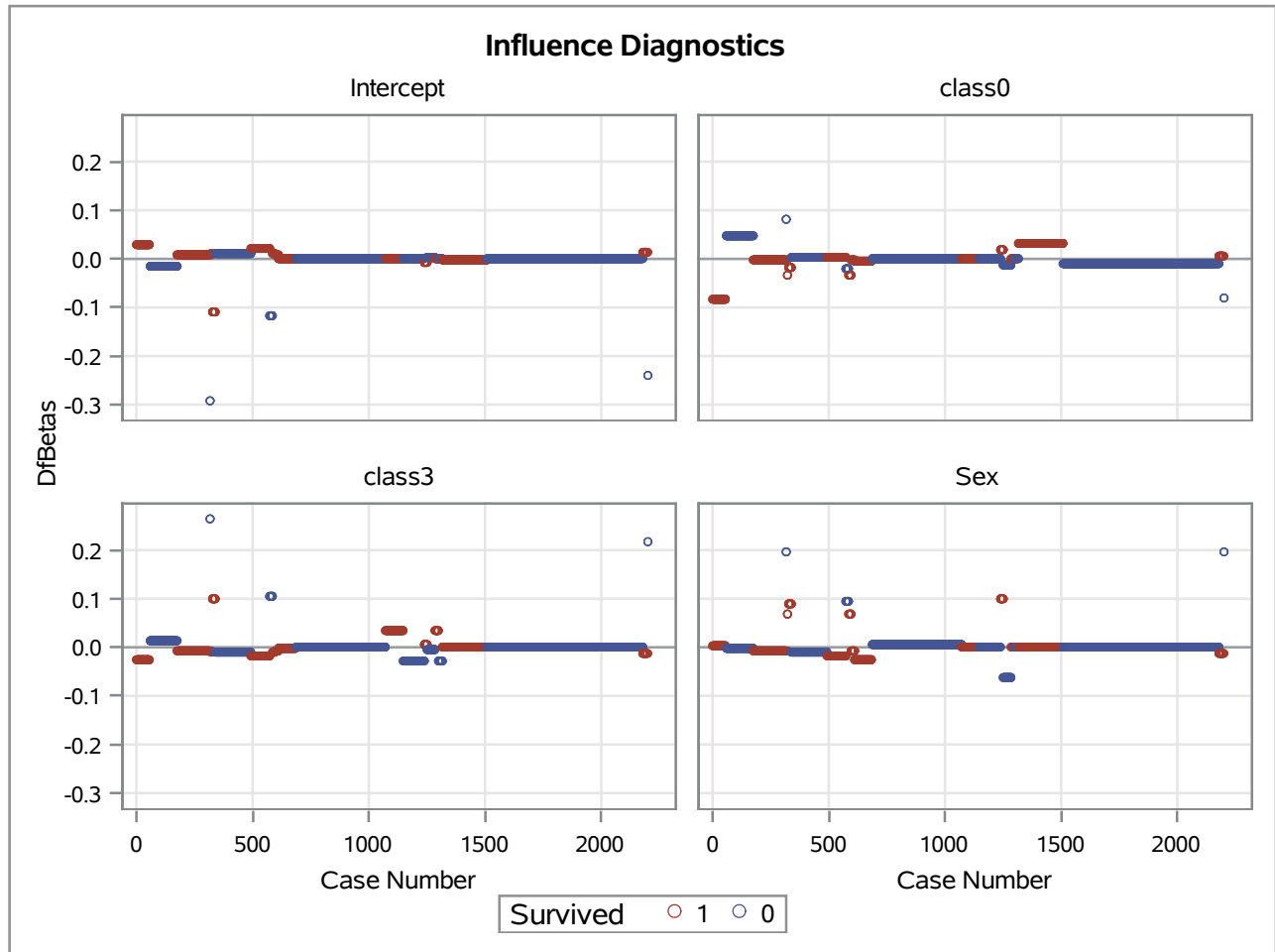
The LOGISTIC Procedure



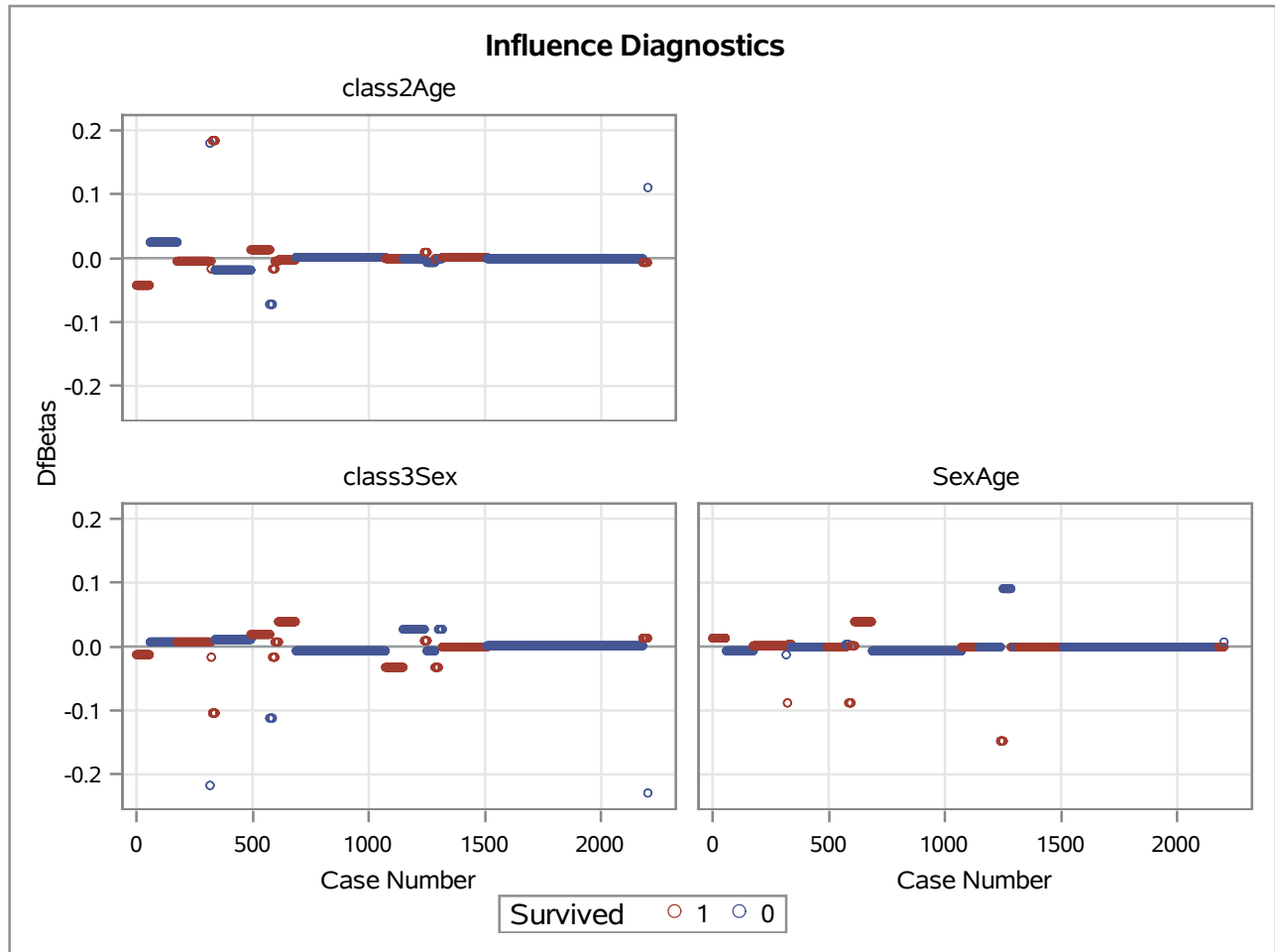
The LOGISTIC Procedure



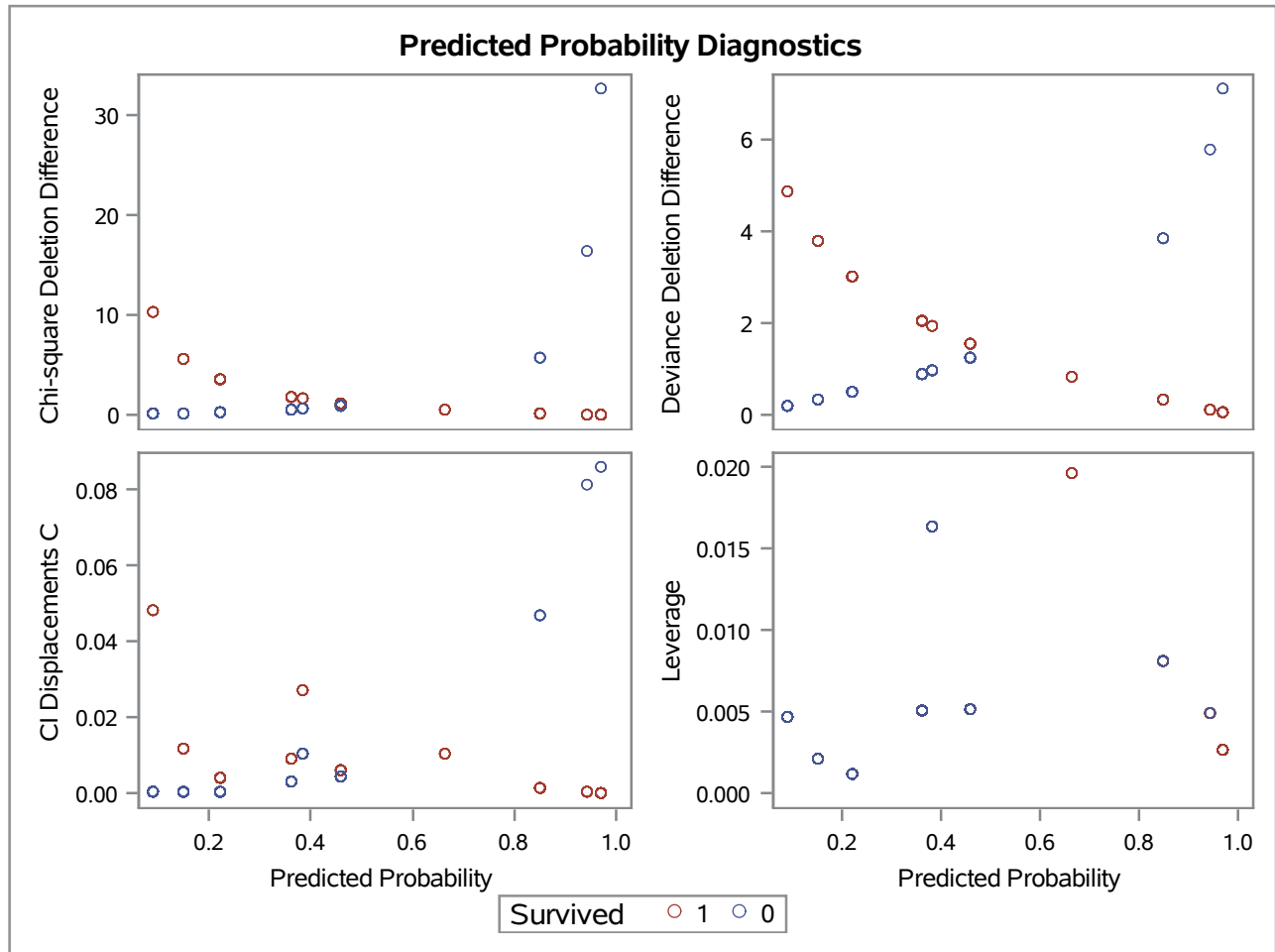
The LOGISTIC Procedure



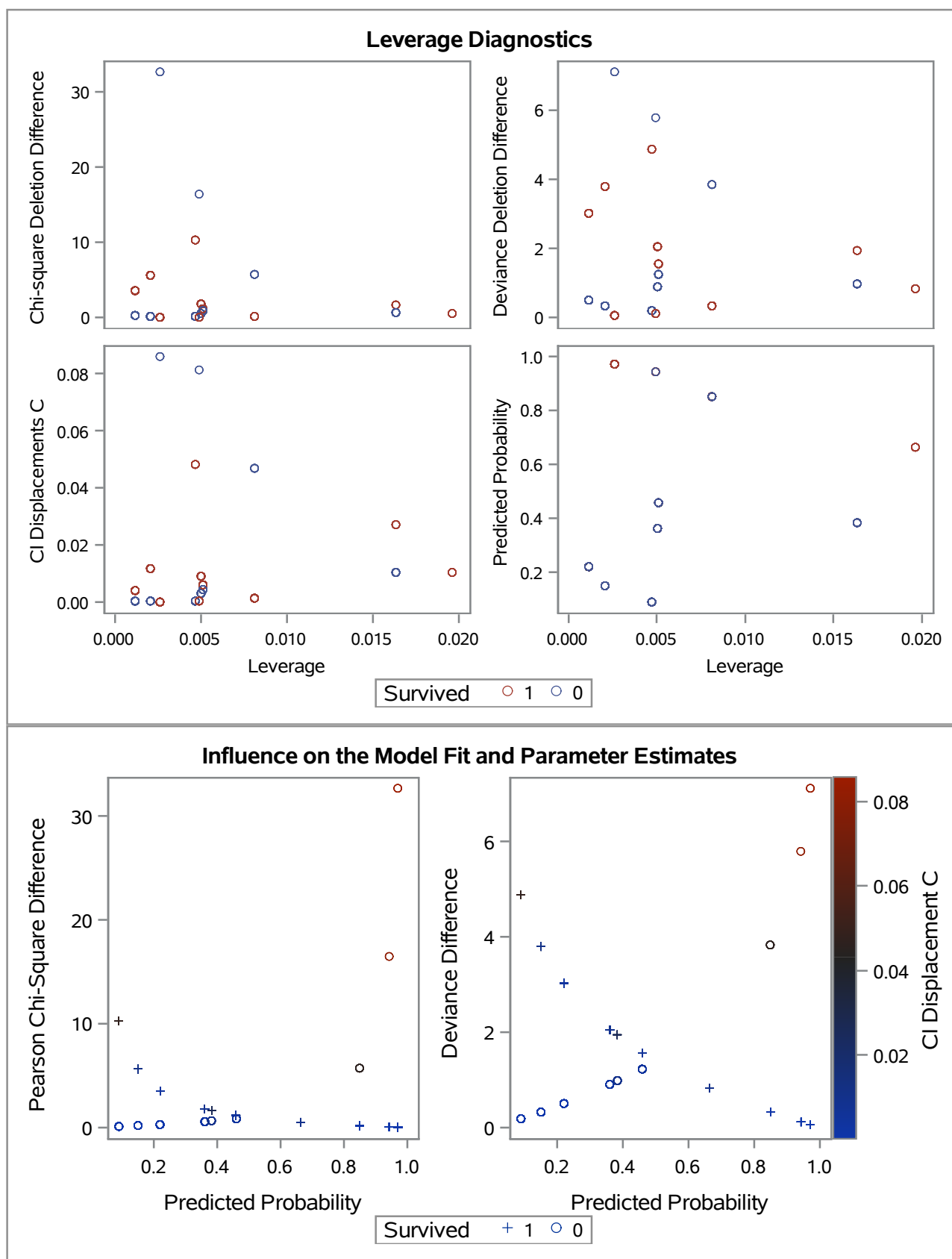
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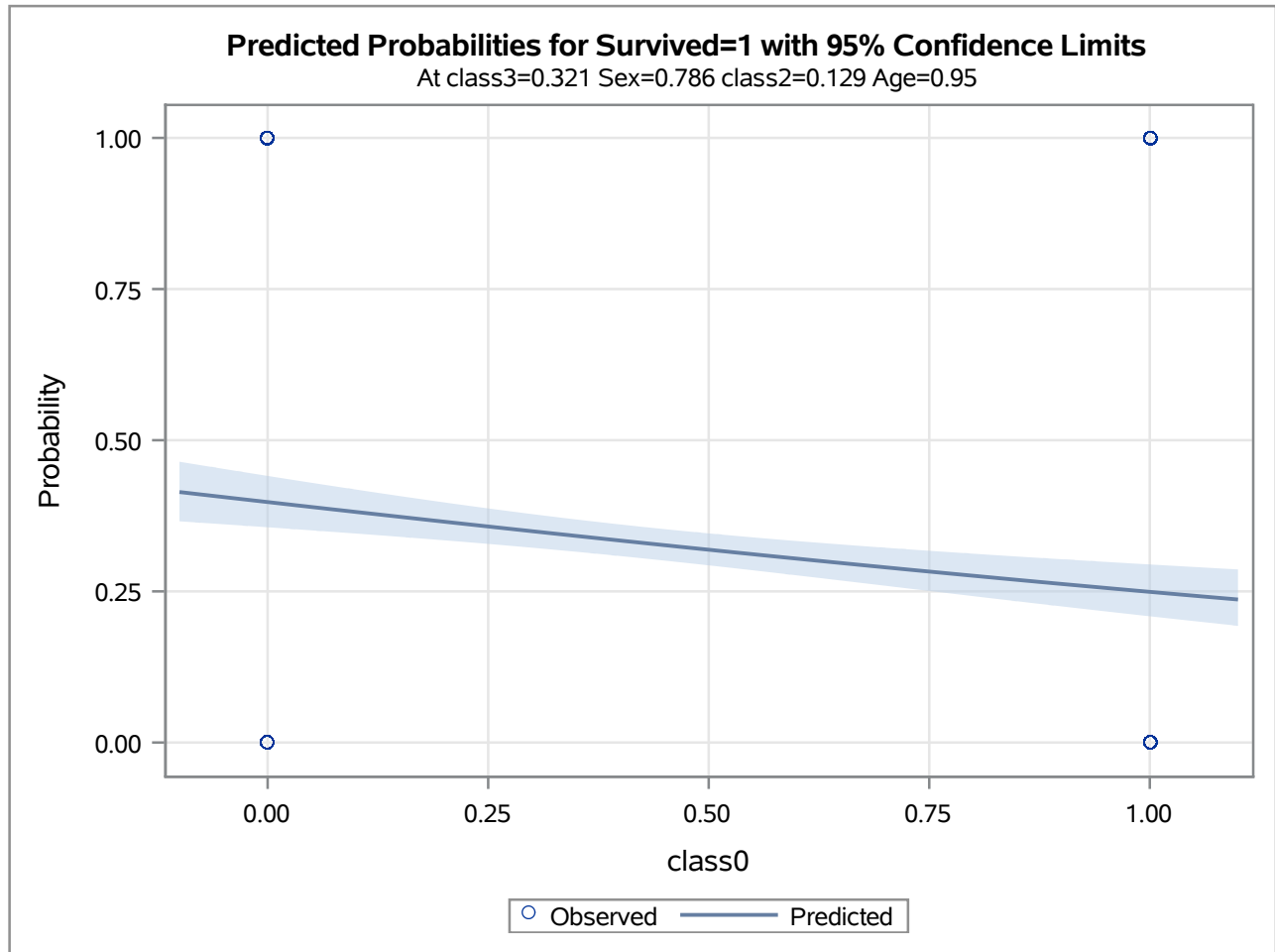
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