

The GENMOD Procedure

Model Information	
Data Set	THESIS.MARCHDATA
Distribution	Binomial
Link Function	Identity
Dependent Variable	coverage_status
Scale Weight Variable	perweight1

Number of Observations Read	223800
Number of Observations Used	223800
Sum of Weights	3.4968E8
Number of Events	183502
Number of Trials	223800

Class Level Information		
Class	Levels	Values
preex_status	2	1 0
year_class	2	1 0

Response Profile			
Ordered Value	coverage_status	Total Frequency	Total Weight
1	1	183502	2.931E8
2	0	40298	56585913

PROC GENMOD is modeling the probability that coverage_status='1'. One way to change this to model the probability that coverage_status='0' is to specify the DESCENDING option in the PROC statement.

Parameter Information			
Parameter	Effect	preex_status	year_class
Prm1	Intercept		
Prm2	sex_dummy		
Prm3	age_dummy		
Prm4	race_dummy		
Prm5	employment_dummy		
Prm6	marital_status		
Prm7	poverty_status		
Prm8	year_class		1
Prm9	year_class		0
Prm10	preex_status	1	
Prm11	preex_status	0	
Prm12	preex_sta*year_class	1	1
Prm13	preex_sta*year_class	1	0
Prm14	preex_sta*year_class	0	1
Prm15	preex_sta*year_class	0	0

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Log Likelihood		-145643466.7	
Full Log Likelihood		-145643466.7	
AIC (smaller is better)		291286953.46	
AICC (smaller is better)		291286953.46	

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
BIC (smaller is better)		291287056.64	

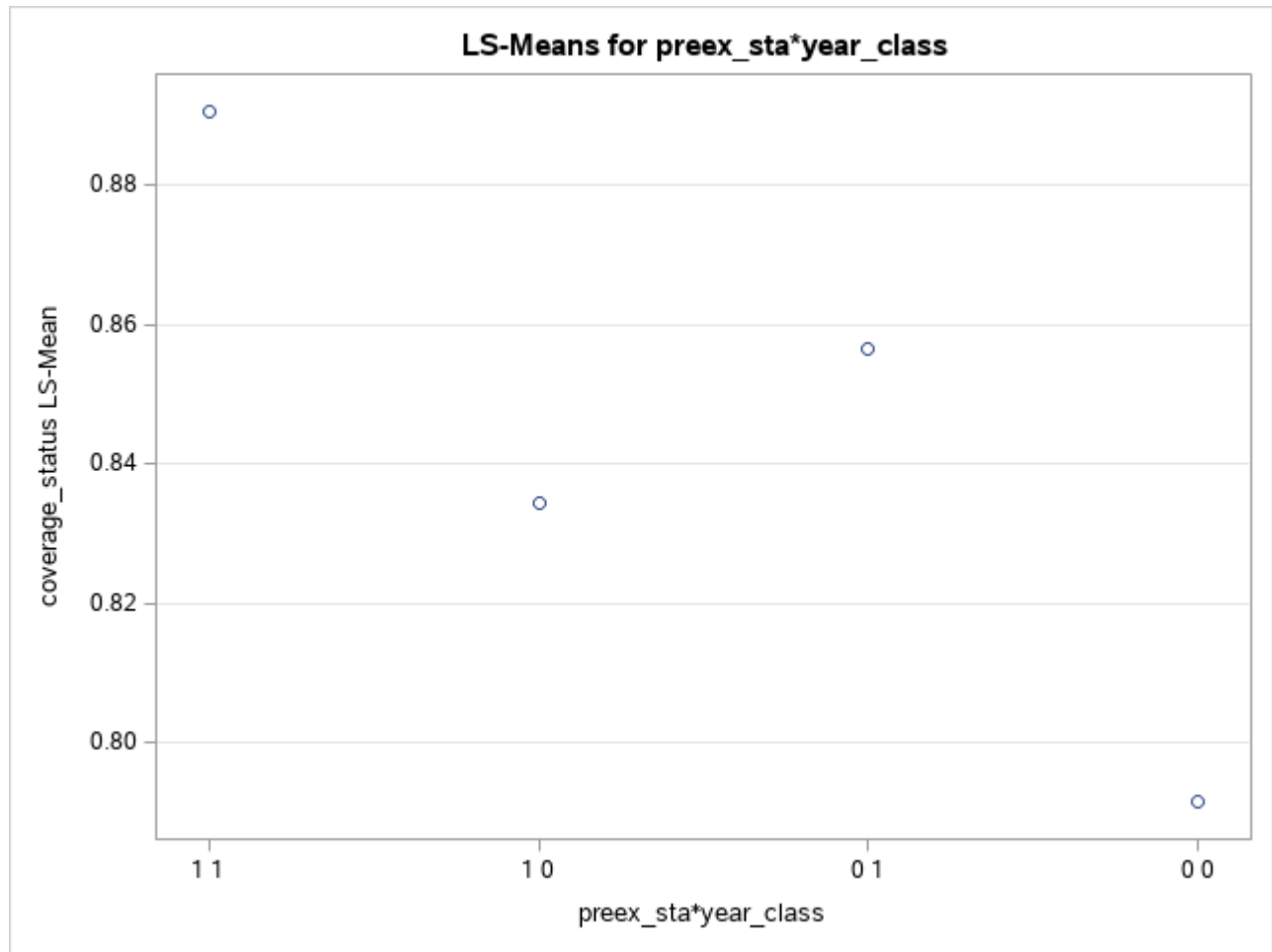
Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	0.5741	0.0001	0.5740	0.5743	4.386E7	<.0001
sex_dummy		1	0.0347	0.0000	0.0346	0.0348	907190	<.0001
age_dummy		1	0.0145	0.0000	0.0144	0.0145	89549.3	<.0001
race_dummy		1	-0.0002	0.0000	-0.0003	-0.0001	24.49	<.0001
employment_dummy		1	0.0144	0.0000	0.0144	0.0145	111605	<.0001
marital_status		1	0.0724	0.0000	0.0723	0.0725	3312855	<.0001
poverty_status		1	0.1727	0.0001	0.1725	0.1728	5681855	<.0001
year_class	1	1	0.0651	0.0000	0.0650	0.0652	2100915	<.0001
year_class	0	0	0.0000	0.0000	0.0000	0.0000	.	.
preex_status	1	1	0.0430	0.0001	0.0429	0.0431	469263	<.0001
preex_status	0	0	0.0000	0.0000	0.0000	0.0000	.	.
preex_sta*year_class	1 1	1	-0.0090	0.0001	-0.0091	-0.0088	13932.3	<.0001
preex_sta*year_class	1 0	0	0.0000	0.0000	0.0000	0.0000	.	.
preex_sta*year_class	0 1	0	0.0000	0.0000	0.0000	0.0000	.	.
preex_sta*year_class	0 0	0	0.0000	0.0000	0.0000	0.0000	.	.
Scale		0	1.0000	0.0000	1.0000	1.0000		

Note: The scale parameter was held fixed.

Contrast Estimate Results										
Label	Mean Estimate	Mean		L'Beta Estimate	Standard Error	Alpha	L'Beta		Chi-Square	Pr > ChiSq
		Confidence Limits					Confidence Limits			
Diff in Diff	-0.0090	-0.0091	-0.0088	-0.0090	0.0001	0.05	-0.0091	-0.0088	13932	<.0001

preex_sta*year_class Least Squares Means					
preex_status	year_class	Estimate	Standard Error	z Value	Pr > z
1	1	0.8905	0.000036	24673.3	<.0001
1	0	0.8345	0.000052	16124.1	<.0001
0	1	0.8565	0.000029	29958.6	<.0001
0	0	0.7915	0.000036	22140.5	<.0001



Least Squares Means Estimate					
Effect	Label	Estimate	Standard Error	z Value	Pr > z
preex_sta*year_class	Diff in Diff	-0.00898	0.000076	-118.04	<.0001