

The GENMOD Procedure

Model Information	
Data Set	MYDATA.EARINFECTION
Distribution	Poisson
Link Function	Log
Dependent Variable	Infections

Number of Observations Read	287
Number of Observations Used	287

Class Level Information		
Class	Levels	Values
Swimmer	2	Freq Occas
Location	2	Beach NonBeach
Gender	2	Female Male

Criteria For Assessing Goodness Of Fit			
Criterion	DF	Value	Value/DF
Deviance	282	760.0060	2.6951
Scaled Deviance	282	760.0060	2.6951
Pearson Chi-Square	282	963.5838	3.4170
Scaled Pearson X2	282	963.5838	3.4170
Log Likelihood		-235.6148	
Full Log Likelihood		-566.2004	
AIC (smaller is better)		1142.4008	
AICC (smaller is better)		1142.6143	
BIC (smaller is better)		1160.6982	

Algorithm converged.

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Intercept		1	1.3292	0.2517	0.8360	1.8225	27.90	<.0001
Swimmer	Freq	1	-0.6086	0.1050	-0.8145	-0.4028	33.59	<.0001
Swimmer	Occas	0	0.0000	0.0000	0.0000	0.0000	.	.
Location	Beach	1	-0.4896	0.1048	-0.6951	-0.2841	21.81	<.0001
Location	NonBeach	0	0.0000	0.0000	0.0000	0.0000	.	.
Age		1	-0.0261	0.0122	-0.0500	-0.0021	4.55	0.0330
Gender	Female	1	0.0294	0.1092	-0.1846	0.2433	0.07	0.7878

Analysis Of Maximum Likelihood Parameter Estimates								
Parameter		DF	Estimate	Standard Error	Wald 95% Confidence Limits		Wald Chi-Square	Pr > ChiSq
Gender	Male	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.

LR Statistics For Type 3 Analysis			
Source	DF	Chi-Square	Pr > ChiSq
Swimmer	1	35.16	<.0001
Location	1	22.35	<.0001
Age	1	4.64	0.0312
Gender	1	0.07	0.7881