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	222.4214	0.7887				
Pearson Chi-Square	282	963.5838	3.4170				
Scaled Pearson X2	282	282.0000	1.0000				
Log Likelihood		-68.9544					
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	0.4652	0.4175	2.2410	8.16	0.0043
Swimmer	Freq	1	-0.6086	0.1941	-0.9891	-0.2281	9.83	0.0017
Swimmer	Occas	0	0.0000	0.0000	0.0000	0.0000		
Location	Beach	1	-0.4896	0.1938	-0.8694	-0.1098	6.38	0.0115
Location	NonBeach	0	0.0000	0.0000	0.0000	0.0000		
Age		1	-0.0261	0.0226	-0.0703	0.0182	1.33	0.2487
Gender	Female	1	0.0294	0.2018	-0.3661	0.4249	0.02	0.8842

Analysis Of Maximum Likelihood Parameter Estimates									
Parameter		DF	Estimate	Standard Wald 95% Confidence Wald Chi- nate Error Limits Square Pr > ChiSo					
Gender	Male	0	0.0000	0.0000	0.0000 0.0000				
Scale		0	1.8485	0.0000	1.8485	1.8485			

Note: The scale parameter was estimated by the square root of Pearson's Chi-Square/DOF.

LR Statistics For Type 3 Analysis								
Source	Num DF	Den DF	F Value	Pr > F	Chi-Square	Pr > ChiSq		
Swimmer	1	282	10.29	0.0015	10.29	0.0013		
Location	1	282	6.54	0.0111	6.54	0.0105		
Age	1	282	1.36	0.2448	1.36	0.2438		
Gender	1	282	0.02	0.8845	0.02	0.8844		