

## The LOGISTIC Procedure

Model Information	
Data Set	CENSUS.PSAM_H17_SUBSET1
Response Variable	value
Number of Response Levels	2
Model	binary logit
Optimization Technique	Fisher's scoring

Number of Observations Read	58206
Number of Observations Used	52895

Response Profile		
Ordered Value	value	Total Frequency
1	0	40555
2	1	12340

Probability modeled is value=0.

**Note:** 5311 observations were deleted due to missing values for the response or explanatory variables.

Class Level Information		
Class	Value	Design Variables
BATH	1	1
	2	0

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

Model Fit Statistics		
Criterion	Intercept Only	Intercept and Covariates
AIC	57469.672	57366.509
SC	57478.548	57384.261
-2 Log L	57467.672	57362.509

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	105.1630	1	<.0001
Score	77.2223	1	<.0001
Wald	58.6080	1	<.0001

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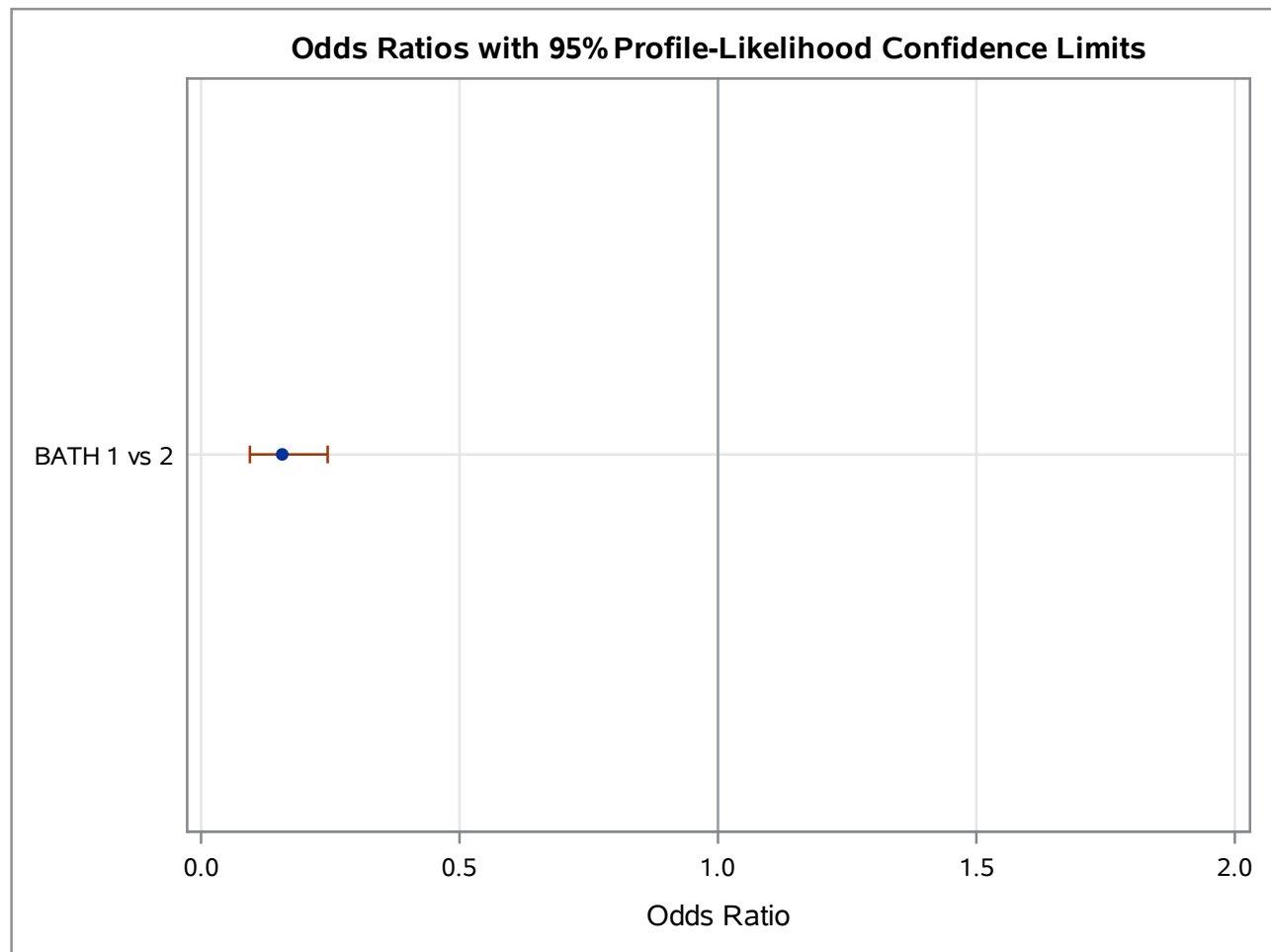
Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
BATH	1	58.6080	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	3.0310	0.2413	157.7808	<.0001
BATH	1	1	-1.8490	0.2415	58.6080	<.0001

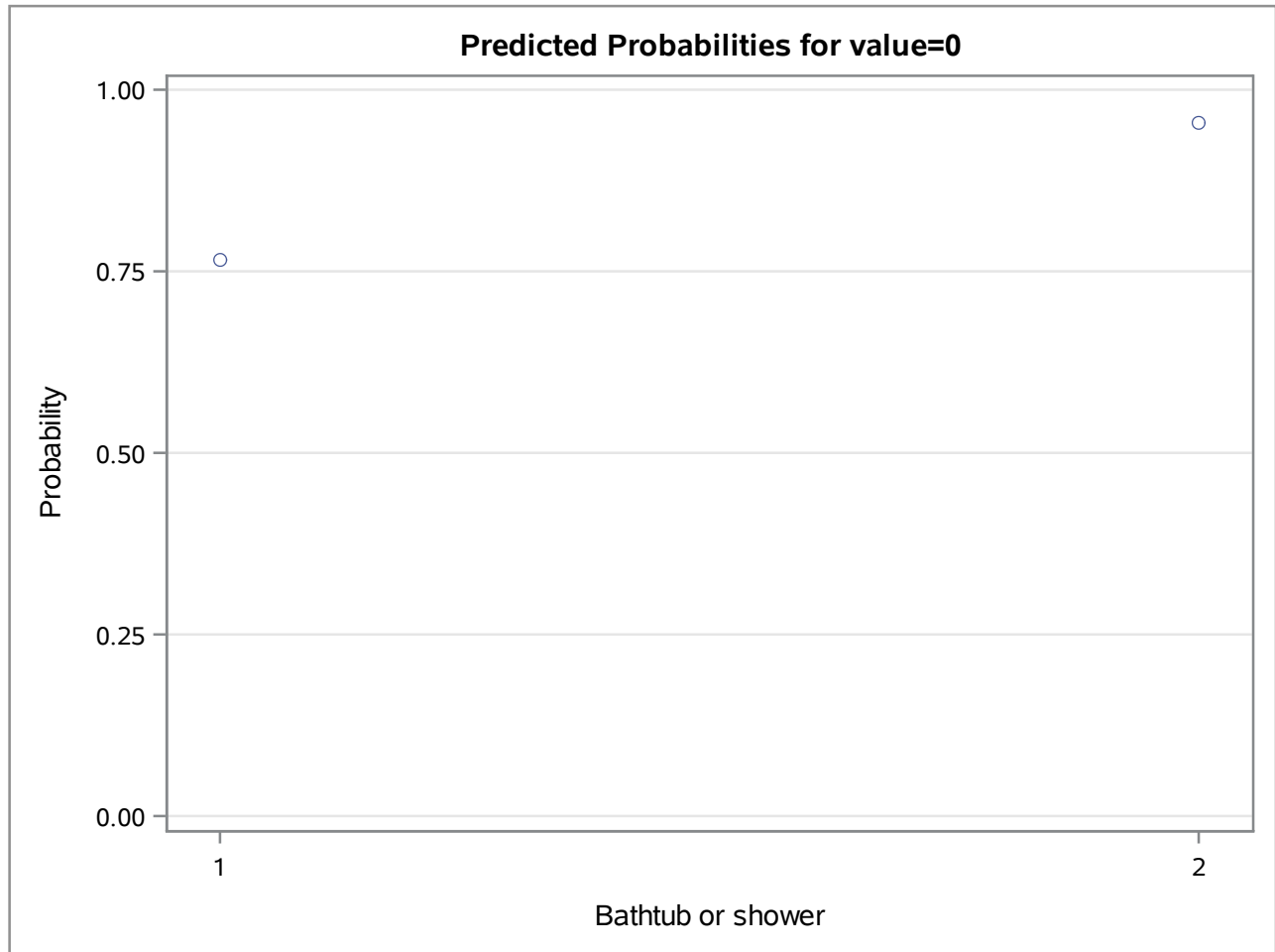
Association of Predicted Probabilities and Observed Responses			
Percent Concordant	0.9	Somers' D	0.008
Percent Discordant	0.1	Gamma	0.728
Percent Tied	98.9	Tau-a	0.003
Pairs	500448700	c	0.504

Odds Ratio Estimates and Profile-Likelihood Confidence Intervals				
Effect	Unit	Estimate	95% Confidence Limits	
BATH 1 vs 2	1.0000	0.157	0.094	0.245

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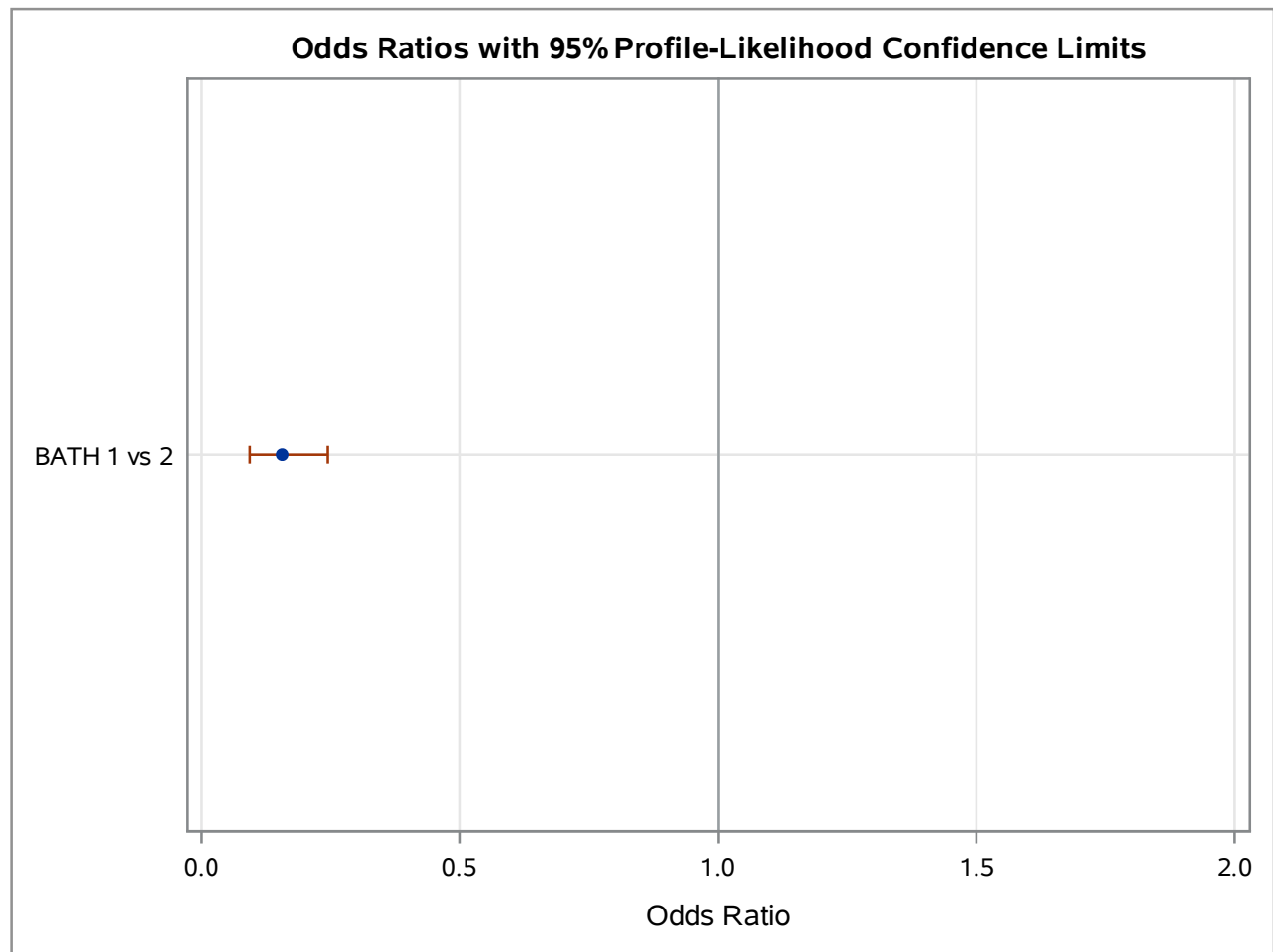
Type 3 Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
BATH	1	58.6080	<.0001

Analysis of Maximum Likelihood Estimates						
Parameter		DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept		1	2.1065	0.1208	304.2839	<.0001
BATH	1	1	-0.9245	0.1208	58.6080	<.0001

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	0.9	Somers' D	0.008
Percent Discordant	0.1	Gamma	0.728
Percent Tied	98.9	Tau-a	0.003
Pairs	500448700	c	0.504

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