The LOGISTIC Procedure

Model Information
Response Variable: ENDMARR
Number of Response Levels: 2
Number of Observations: 1722
Weight Variable: WEIGHT
Sum of Weights: 1722
Model: binary logit

Response Profile
Ordered Value ENDMARR Total Frequency Total Weight
1 1 1147 1345.0752
2 0 575 380.2311

Probability modeled is ENDMARR=1.

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

Model Fit Statistics

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Intercept Only</th>
<th>Intercept and Covariates</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIC</td>
<td>1821.834</td>
<td>1657.822</td>
</tr>
<tr>
<td>SC</td>
<td>1827.285</td>
<td>1679.627</td>
</tr>
<tr>
<td>-2 Log L</td>
<td>1819.834</td>
<td>1649.822</td>
</tr>
</tbody>
</table>

Testing Global Null Hypothesis: BETA=0

<table>
<thead>
<tr>
<th>Test</th>
<th>Chi-Square</th>
<th>DF</th>
<th>Pr &gt; ChiSq</th>
</tr>
</thead>
<tbody>
<tr>
<td>Likelihood Ratio</td>
<td>170.0117</td>
<td>3</td>
<td>&lt; 0.0001</td>
</tr>
<tr>
<td>Score</td>
<td>140.1072</td>
<td>3</td>
<td>&lt; 0.0001</td>
</tr>
<tr>
<td>Wald</td>
<td>134.1029</td>
<td>3</td>
<td>&lt; 0.0001</td>
</tr>
</tbody>
</table>

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

<table>
<thead>
<tr>
<th>Parameter</th>
<th>DF</th>
<th>Estimate</th>
<th>Standard Error</th>
<th>Wald Chi-Square</th>
<th>Pr &gt; Chi Sq</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intercept</td>
<td>1</td>
<td>-0.2802</td>
<td>0.1639</td>
<td>2.9241</td>
<td>0.0873</td>
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<tr>
<td>BEGMNS</td>
<td>1</td>
<td>0.6561</td>
<td>0.0635</td>
<td>106.8904</td>
<td>&lt; 0.0001</td>
</tr>
<tr>
<td>GUPOOR</td>
<td>1</td>
<td>-0.1819</td>
<td>0.1270</td>
<td>2.0525</td>
<td>0.1520</td>
</tr>
<tr>
<td>BOTHPAR</td>
<td>1</td>
<td>0.3979</td>
<td>0.1333</td>
<td>8.9151</td>
<td>0.0028</td>
</tr>
</tbody>
</table>

Odds Ratio Estimates

<table>
<thead>
<tr>
<th>Effect</th>
<th>Point Estimate</th>
<th>95% Wald Confidence Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEGMNS</td>
<td>1.927</td>
<td>1.702 - 2.183</td>
</tr>
<tr>
<td>GUPOOR</td>
<td>0.834</td>
<td>0.650 - 1.069</td>
</tr>
<tr>
<td>BOTHPAR</td>
<td>1.489</td>
<td>1.147 - 1.933</td>
</tr>
</tbody>
</table>
Response Variable: ENDMARR

Number of Response Levels: 2

Number of Observations: 1722

Weight Variable: AWEIGHT

Sum of Weights: 35447.186088

Model: binary logit

Optimization Technique: Fisher's scoring

Response Profile

Ordered Value  Total ENDMARR  Total Frequency  Weight

1            1          1147        27635.170
2            0           575         7812.016

Probability modeled is ENDMARR=1.

Model Convergence Status

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

Model Fit Statistics

AIC            37391.294      33904.329
SC             37396.746      33926.134
-2 Log L       37389.294      33896.329

Testing Global Null Hypothesis: BETA=0

Test               Chi-Square     DF     Pr > ChiSq

Likelihood Ratio   3492.9652        3         <.0001
Score              2878.5643        3         <.0001
Wald               2755.2029        3         <.0001

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter     DF    Estimate       Error    Chi-Square    Pr > ChiSq

Intercept     1     -0.2802      0.0362       60.0772        <.0001
BEGFMNS       1      0.6561      0.0140     2196.1106        <.0001
GUPOOR        1     -0.1819      0.0280       42.1698        <.0001
BOTHPAR       1      0.3979      0.0294      183.1637        <.0001

Odds Ratio Estimates

Effect     Point Estimate  95% Wald Confidence Limits

BEGFMNS   1.927   1.875       1.981
GUPOOR    0.834   0.789       0.881
BOTHPAR   1.489   1.405       1.577