

The SAS System

The LOGISTIC Procedure

| Model Information | | |
|---------------------------|-------------------|------------------------------|
| Data Set | WORK.FETCH | |
| Response Variable | RESP_EMPSTATUS | RESPONDENT EMPLOYMENT STATUS |
| Number of Response Levels | 3 | |
| Model | generalized logit | |
| Optimization Technique | Newton-Raphson | |

| | |
|-----------------------------|-------|
| Number of Observations Read | 25439 |
| Number of Observations Used | 25439 |

| Response Profile | | |
|------------------|----------------|-----------------|
| Ordered Value | RESP_EMPSTATUS | Total Frequency |
| 1 | 1 | 10542 |
| 2 | 2 | 3174 |
| 3 | 3 | 11723 |

Logits modeled use RESP_EMPSTATUS=1 as the reference category.

| Class Level Information | | |
|-------------------------|-------|------------------|
| Class | Value | Design Variables |
| FOX_NEWS_CHANNEL | 0 | 0 |
| | 1 | 1 |
| THE_APPRENTICE__NBC_ | 0 | 0 |
| | 1 | 1 |
| ESPN_NEWS | 0 | 0 |
| | 1 | 1 |

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

| Model Fit Statistics | | |
|----------------------|----------------|--------------------------|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 49953.606 | 49061.564 |
| SC | 49969.894 | 49143.005 |
| -2 Log L | 49949.606 | 49041.564 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|--|------------|----|------------|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 908.0418 | 8 | <.0001 |
| Score | 891.9827 | 8 | <.0001 |
| Wald | 852.6624 | 8 | <.0001 |

| Type 3 Analysis of Effects | | | |
|----------------------------|----|-----------------|------------|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| FOX_NEWS_CHANNEL | 2 | 199.6315 | <.0001 |
| THE_APPRENTICE__NBC_ | 2 | 2.4217 | 0.2979 |
| ESPN_NEWS | 2 | 92.1146 | <.0001 |
| RESP_EDUC | 2 | 649.1753 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | | |
|--|---|----------------|----|----------|----------------|-----------------|------------|
| Parameter | | RESP_EMPSTATUS | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq |
| Intercept | | 2 | 1 | -1.9590 | 0.0792 | 611.5591 | <.0001 |
| Intercept | | 3 | 1 | -1.1645 | 0.0543 | 460.0668 | <.0001 |
| FOX_NEWS_CHANNEL | 1 | 2 | 1 | -0.3737 | 0.0547 | 46.7531 | <.0001 |
| FOX_NEWS_CHANNEL | 1 | 3 | 1 | -0.5043 | 0.0363 | 192.6940 | <.0001 |
| THE_APPRENTICE__NBC_ | 1 | 2 | 1 | -0.0150 | 0.1465 | 0.0105 | 0.9182 |
| THE_APPRENTICE__NBC_ | 1 | 3 | 1 | -0.1513 | 0.1011 | 2.2399 | 0.1345 |
| ESPN_NEWS | 1 | 2 | 1 | 0.3585 | 0.0940 | 14.5469 | 0.0001 |
| ESPN_NEWS | 1 | 3 | 1 | 0.6066 | 0.0632 | 92.0453 | <.0001 |
| RESP_EDUC | | 2 | 1 | 0.0610 | 0.00565 | 116.3080 | <.0001 |
| RESP_EDUC | | 3 | 1 | 0.0983 | 0.00388 | 643.6420 | <.0001 |

| Odds Ratio Estimates | | | | |
|-----------------------------|----------------|----------------|----------------------------|-------|
| Effect | RESP_EMPSTATUS | Point Estimate | 95% Wald Confidence Limits | |
| FOX_NEWS_CHANNEL 1 vs 0 | 2 | 0.688 | 0.618 | 0.766 |
| FOX_NEWS_CHANNEL 1 vs 0 | 3 | 0.604 | 0.562 | 0.648 |
| THE_APPRENTICE__NBC_ 1 vs 0 | 2 | 0.985 | 0.739 | 1.313 |
| THE_APPRENTICE__NBC_ 1 vs 0 | 3 | 0.860 | 0.705 | 1.048 |
| ESPN_NEWS 1 vs 0 | 2 | 1.431 | 1.190 | 1.721 |
| ESPN_NEWS 1 vs 0 | 3 | 1.834 | 1.620 | 2.076 |
| RESP_EDUC | 2 | 1.063 | 1.051 | 1.075 |
| RESP_EDUC | 3 | 1.103 | 1.095 | 1.112 |

| Partition for the Hosmer and Lemeshow Test | | | | | | | |
|--|-------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Group | Total | Observed RESP_EMPSTATUS = 1 | Observed RESP_EMPSTATUS = 2 | Observed RESP_EMPSTATUS = 3 | Expected RESP_EMPSTATUS = 1 | Expected RESP_EMPSTATUS = 2 | Expected RESP_EMPSTATUS = 3 |
| 1 | 2611 | 1541 | 299 | 771 | 1551.6 | 282.32 | 777.13 |
| 2 | 2909 | 1530 | 320 | 1059 | 1432.6 | 350.24 | 1126.2 |
| 3 | 1060 | 460 | 123 | 477 | 485.49 | 128.29 | 446.23 |
| 4 | 5403 | 2528 | 610 | 2265 | 2340.2 | 685.83 | 2377.0 |
| 5 | 2696 | 1034 | 380 | 1282 | 1123.5 | 343.47 | 1229.1 |
| 6 | 2622 | 945 | 363 | 1314 | 1013.1 | 334.97 | 1273.9 |
| 7 | 1055 | 371 | 224 | 460 | 388.00 | 136.13 | 530.87 |
| 8 | 3430 | 1014 | 404 | 2012 | 1191.3 | 445.55 | 1793.2 |
| 9 | 3653 | 1119 | 451 | 2083 | 1016.3 | 467.52 | 2169.2 |

| Hosmer and Lemeshow Goodness-of-Fit Test | | |
|--|----|------------|
| Chi-Square | DF | Pr > ChiSq |
| 206.5427 | 14 | <.0001 |