| BRAND1    | BRAND2    | BRAND3    | BRAND4    | SUBJECT |
|-----------|-----------|-----------|-----------|---------|
| Chevrolet | Nissan    | xx        | xx        | 1       |
| Ford      | Ford      | Dodge     | xx        | 2       |
| Ford      | GMC       | Ford      | xx        | 3       |
| Toyota    | Honda     | Kia       | xx        | 4       |
| Kia       | Hyundai   | xx        | xx        | 5       |
| Toyota    | Toyota    | XX        | XX        | 6       |
| Toyota    | Honda     | Honda     | xx        | 7       |
| Chevrolet | Honda     | xx        | xx        | 8       |
| GMC       | Toyota    | Hyundai   | xx        | 9       |
| Kia       | Toyota    | Toyota    | xx        | 10      |
| Ford      | Honda     | xx        | xx        | 11      |
| Chevrolet | Hyundai   | Kia       | XX        | 12      |
| Toyota    | Ford      | xx        | xx        | 13      |
| Kia       | Toyota    | xx        | xx        | 14      |
| Honda     | Honda     | xx        | xx        | 15      |
| Ford      | Toyota    | Hyundai   | xx        | 16      |
| Chevrolet | Ford      | Toyota    | xx        | 17      |
| Kia       | Ford      | Toyota    | xx        | 18      |
| Toyota    | Honda     | Honda     | Ford      | 19      |
| Toyota    | Toyota    | xx        | xx        | 20      |
| Ford      | Honda     | Toyota    | xx        | 21      |
| Ford      | Kia       | Kia       | xx        | 22      |
| Hyundai   | Toyota    | Ford      | xx        | 23      |
| Toyota    | Toyota    | Honda     | Ford      | 24      |
| Toyota    | Toyota    | Chevrolet | Honda     | 25      |
| Honda     | GMC       | Honda     | xx        | 26      |
| Honda     | Honda     | Dodge     | XX        | 27      |
| Chevrolet | Honda     | Kia       | xx        | 28      |
| Chevrolet | Honda     | Ford      | Chevrolet | 29      |
| GMC       | GMC       | Chevrolet | xx        | 30      |
| Chevrolet | Honda     | Dodge     | xx        | 31      |
| Chevrolet | Dodge     | Dodge     | xx        | 32      |
| Chevrolet | GMC       | Nissan    | XX        | 33      |
| Nissan    | GMC       | Honda     | XX        | 34      |
| Dodge     | Chevrolet | Honda     | XX        | 35      |
| Toyota    | Chevrolet | Nissan    | XX        | 36      |
| Toyota    | Toyota    | GMC       | xx        | 37      |

# Saturday, February 16, 2019 07:56:18 PM **2** CAR SURVEY NUMBER OF CARS PER HOUSEHOLD BY BRAND

| Obs | SUBJECT | BRAND_TYPE |
|-----|---------|------------|
| 1   | 1       | Chevrolet  |
| 2   | 1       | Nissan     |
| 3   | 2       | Ford       |
| 4   | 2       | Ford       |
| 5   | 2       | Dodge      |
| 6   | 3       | Ford       |
| 7   | 3       | GMC        |
| 8   | 3       | Ford       |
| 9   | 4       | Toyota     |
| 10  | 4       | Honda      |
| 11  | 4       | Kia        |
| 12  | 5       | Kia        |
| 13  | 5       | Hyundai    |
| 14  | 6       | Toyota     |
| 15  | 6       | Toyota     |
| 16  | 7       | Toyota     |
| 17  | 7       | Honda      |
| 18  | 7       | Honda      |
| 19  | 8       | Chevrolet  |
| 20  | 8       | Honda      |
| 21  | 9       | GMC        |
| 22  | 9       | Toyota     |
| 23  | 9       | Hyundai    |
| 24  | 10      | Kia        |
| 25  | 10      | Toyota     |
| 26  | 10      | Toyota     |
| 27  | 11      | Ford       |
| 28  | 11      | Honda      |
| 29  | 12      | Chevrolet  |
| 30  | 12      | Hyundai    |
| 31  | 12      | Kia        |
| 32  | 13      | Toyota     |
| 33  | 13      | Ford       |
| 34  | 14      | Kia        |
| 35  | 14      | Toyota     |
| 36  | 15      | Honda      |
| 37  | 15      | Honda      |

# Saturday, February 16, 2019 07:56:18 PM **3** CAR SURVEY NUMBER OF CARS PER HOUSEHOLD BY BRAND

| Obs | SUBJECT | BRAND_TYPE |
|-----|---------|------------|
| 38  | 16      | Ford       |
| 39  | 16      | Toyota     |
| 40  | 16      | Hyundai    |
| 41  | 17      | Chevrolet  |
| 42  | 17      | Ford       |
| 43  | 17      | Toyota     |
| 44  | 18      | Kia        |
| 45  | 18      | Ford       |
| 46  | 18      | Toyota     |
| 47  | 19      | Toyota     |
| 48  | 19      | Honda      |
| 49  | 19      | Honda      |
| 50  | 19      | Ford       |
| 51  | 20      | Toyota     |
| 52  | 20      | Toyota     |
| 53  | 21      | Ford       |
| 54  | 21      | Honda      |
| 55  | 21      | Toyota     |
| 56  | 22      | Ford       |
| 57  | 22      | Kia        |
| 58  | 22      | Kia        |
| 59  | 23      | Hyundai    |
| 60  | 23      | Toyota     |
| 61  | 23      | Ford       |
| 62  | 24      | Toyota     |
| 63  | 24      | Toyota     |
| 64  | 24      | Honda      |
| 65  | 24      | Ford       |
| 66  | 25      | Toyota     |
| 67  | 25      | Toyota     |
| 68  | 25      | Chevrolet  |
| 69  | 25      | Honda      |
| 70  | 26      | Honda      |
| 71  | 26      | GMC        |
| 72  | 26      | Honda      |
| 73  | 27      | Honda      |
| 74  | 27      | Honda      |

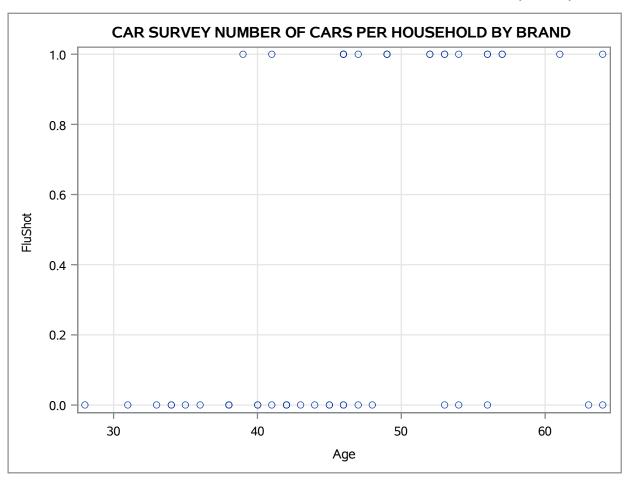
# Saturday, February 16, 2019 07:56:18 PM 4 CAR SURVEY NUMBER OF CARS PER HOUSEHOLD BY BRAND

| Obs | SUBJECT | BRAND_TYPE |
|-----|---------|------------|
| 75  | 27      | Dodge      |
| 76  | 28      | Chevrolet  |
| 77  | 28      | Honda      |
| 78  | 28      | Kia        |
| 79  | 29      | Chevrolet  |
| 80  | 29      | Honda      |
| 81  | 29      | Ford       |
| 82  | 29      | Chevrolet  |
| 83  | 30      | GMC        |
| 84  | 30      | GMC        |
| 85  | 30      | Chevrolet  |
| 86  | 31      | Chevrolet  |
| 87  | 31      | Honda      |
| 88  | 31      | Dodge      |
| 89  | 32      | Chevrolet  |
| 90  | 32      | Dodge      |
| 91  | 32      | Dodge      |
| 92  | 33      | Chevrolet  |
| 93  | 33      | GMC        |
| 94  | 33      | Nissan     |
| 95  | 34      | Nissan     |
| 96  | 34      | GMC        |
| 97  | 34      | Honda      |
| 98  | 35      | Dodge      |
| 99  | 35      | Chevrolet  |
| 100 | 35      | Honda      |
| 101 | 36      | Toyota     |
| 102 | 36      | Chevrolet  |
| 103 | 36      | Nissan     |
| 104 | 37      | Toyota     |
| 105 | 37      | Toyota     |
| 106 | 37      | GMC        |

# Saturday, February 16, 2019 07:56:18 PM **5**CAR SURVEY NUMBER OF CARS PER HOUSEHOLD BY BRAND

# The FREQ Procedure

| BRAND_TYPE | Frequency | Percent |
|------------|-----------|---------|
| Toyota     | 24        | 22.64   |
| Honda      | 21        | 19.81   |
| Ford       | 15        | 14.15   |
| Chevrolet  | 14        | 13.21   |
| Kia        | 9         | 8.49    |
| GMC        | 8         | 7.55    |
| Dodge      | 6         | 5.66    |
| Hyundai    | 5         | 4.72    |
| Nissan     | 4         | 3.77    |



#### The LOGISTIC Procedure

| Model Information         |                  |         |  |  |
|---------------------------|------------------|---------|--|--|
| Data Set                  | WORK.HEALTH      |         |  |  |
| Response Variable         | FluShot          | FluShot |  |  |
| Number of Response Levels | 2                |         |  |  |
| Model                     | binary logit     |         |  |  |
| Optimization Technique    | Fisher's scoring |         |  |  |

| Number of Observations Read | 50 |
|-----------------------------|----|
| Number of Observations Used | 50 |

| Response Profile                      |   |    |  |
|---------------------------------------|---|----|--|
| Ordered Total Value FluShot Frequency |   |    |  |
| 1                                     | 1 | 21 |  |
| 2                                     | 0 | 29 |  |

#### Probability modeled is FluShot='1'.

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

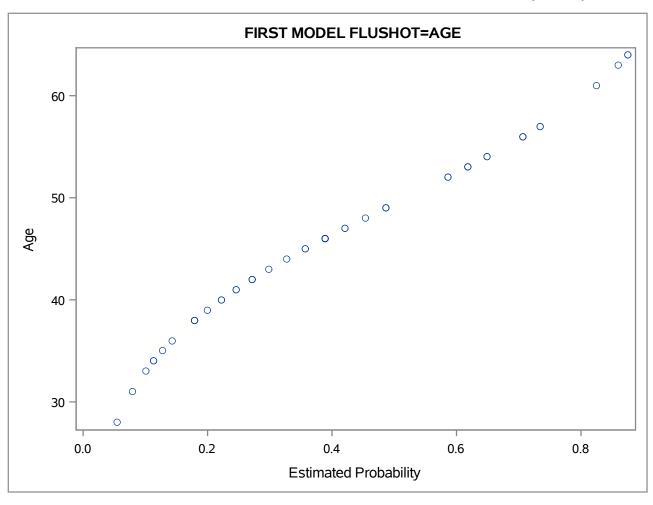
| Model Fit Statistics                          |        |        |  |  |  |
|---|--------|--------|--|--|--|
| Intercept Intercept Criterion Only Covariates |        |        |  |  |  |
| AIC   | 70.029 | 60.162 |  |  |  |
| sc  | 71.941 | 63.986 |  |  |  |
| -2 Log L                                      | 68.029 | 56.162 |  |  |  |

| Testing Global Null Hypothesis: BETA=0 |         |   |        |  |  |  |
|--|---------|---|--------|--|--|--|
| Test Chi-Square DF Pr > ChiSq          |         |   |        |  |  |  |
| Likelihood Ratio                       | 11.8669 | 1 | 0.0006 |  |  |  |
| Score                                  | 10.7916 | 1 | 0.0010 |  |  |  |
| Wald                                   | 8.7838  | 1 | 0.0030 |  |  |  |

| Analysis of Maximum Likelihood Estimates                  |   |         |        |        |        |  |
|---|---|---------|--------|--------|--------|--|
| Parameter DF Estimate Standard Wald Chi-Square Pr > ChiSq |   |         |        |        |        |  |
| Intercept   | 1 | -6.5910 | 2.1564 | 9.3418 | 0.0022 |  |
| Age   | 1 | 0.1334  | 0.0450 | 8.7838 | 0.0030 |  |

| Association of Predicted Probabilities and<br>Observed Responses |      |       |       |  |  |
|--|------|-------|-------|--|--|
| Percent Concordant 78.5 Somers' D 0.596                          |      |       |       |  |  |
| Percent Discordant   | 18.9 | Gamma | 0.612 |  |  |
| Percent Tied   | 2.6  | Tau-a | 0.296 |  |  |
| Pairs  | 609  | С     | 0.798 |  |  |

| Odds Ratio Estimates and Wald Confidence Intervals |                                     |       |       |       |  |
|--|-------------------------------------|-------|-------|-------|--|
| Effect   | Unit Estimate 95% Confidence Limits |       |       |       |  |
| Age  | 1.0000                              | 1.143 | 1.046 | 1.248 |  |



#### The LOGISTIC Procedure

| Model Information                       |              |  |  |  |  |
|---|--------------|--|--|--|--|
| Data Set WORK.LOG_FLU_OUT               |              | Predicted Values and Diagnostic Statistics |  |  |  |
| Response Variable FluShot               |              | FluShot                                    |  |  |  |
| Number of Response Levels               | 2            |  |  |  |  |
| Model                                   | binary logit |  |  |  |  |
| Optimization Technique Fisher's scoring |              |  |  |  |  |

| Number of Observations Read | 50 |
|-----------------------------|----|
| Number of Observations Used | 50 |

| Response Profile         |   |                    |  |  |  |
|--------------------------|---|--------------------|--|--|--|
| Ordered<br>Value FluShot |   | Total<br>Frequency |  |  |  |
| 1                        | 1 | 21                 |  |  |  |
| 2                        | 0 | 29                 |  |  |  |

# Probability modeled is FluShot='1'.

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

| Model Fit Statistics |                                |        |  |  |  |
|----------------------|--------------------------------|--------|--|--|--|
| Criterion            | Intercept<br>and<br>Covariates |        |  |  |  |
| AIC                  | 70.029                         | 28.963 |  |  |  |
| sc                   | 71.941                         | 36.611 |  |  |  |
| -2 Log L             | 68.029                         | 20.963 |  |  |  |

| Testing Global Null Hypothesis: BETA=0 |            |    |            |  |  |
|--|------------|----|------------|--|--|
| Test                                   | Chi-Square | DF | Pr > ChiSq |  |  |
| Likelihood Ratio                       | 47.0665    | 3  | <.0001     |  |  |
| Score                                  | 30.0257    | 3  | <.0001     |  |  |
| Wald                                   | 8.0438     | 3  | 0.0451     |  |  |

# Saturday, February 16, 2019 07:56:18 PM **11** FIRST MODEL FLUSHOT=AGE HealthAwareness HealthIns

| Analysis of Maximum Likelihood Estimates              |   |          |        |        |        |  |  |
|---|---|----------|--------|--------|--------|--|--|
| Parameter DF Estimate Standard Wald Chi-Square Pr > C |   |          |        |        |        |  |  |
| Intercept   | 1 | -27.6137 | 9.6802 | 8.1374 | 0.0043 |  |  |
| Age   | 1 | 0.3289   | 0.1217 | 7.3000 | 0.0069 |  |  |
| HealthAwareness                                       | 1 | 0.1288   | 0.0766 | 2.8287 | 0.0926 |  |  |
| HealthIns   | 1 | 5.0760   | 2.2583 | 5.0524 | 0.0246 |  |  |

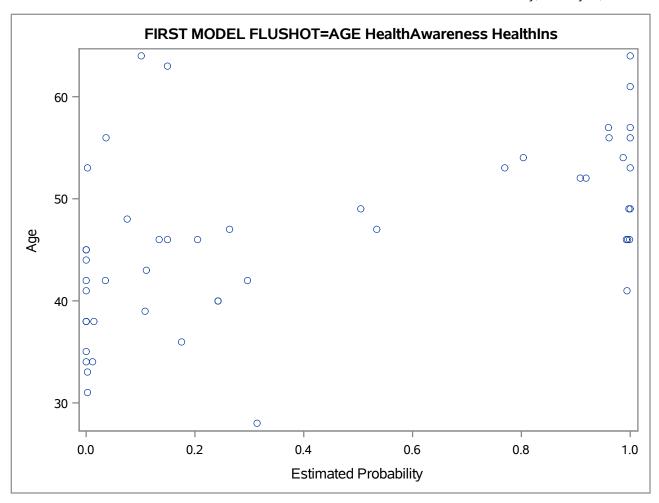
| Association of Predicted Probabilities and<br>Observed Responses |      |           |       |  |
|--|------|-----------|-------|--|
| Percent Concordant   | 96.1 | Somers' D | 0.921 |  |
| Percent Discordant   | 3.9  | Gamma     | 0.921 |  |
| Percent Tied   | 0.0  | Tau-a     | 0.458 |  |
| Pairs  | 609  | С         | 0.961 |  |

| Odds Ratio Estimates and Wald Confidence Intervals |        |         |             |          |  |
|--|--------|---------|-------------|----------|--|
| Effect Unit Estimate 95% Confidence Lir            |        |         | ence Limits |          |  |
| Age  | 1.0000 | 1.389   | 1.095       | 1.764    |  |
| HealthAwareness                                    | 1.0000 | 1.138   | 0.979       | 1.322    |  |
| Healthins  | 1.0000 | 160.137 | 1.915       | >999.999 |  |

| Partition for the Hosmer and Lemeshow Test |       |          |          |          |          |  |  |
|--|-------|----------|----------|----------|----------|--|--|
|  |       | FluSh    | ot = 1   | FluSh    | ot = 0   |  |  |
| Group                                      | Total | Observed | Expected | Observed | Expected |  |  |
| 1  | 5     | 0        | 0.00     | 5        | 5.00     |  |  |
| 2  | 5     | 0        | 0.00     | 5        | 5.00     |  |  |
| 3  | 5     | 0        | 0.07     | 5        | 4.93     |  |  |
| 4  | 5     | 1        | 0.43     | 4        | 4.57     |  |  |
| 5  | 5     | 1        | 0.81     | 4        | 4.19     |  |  |
| 6  | 5     | 0        | 1.36     | 5        | 3.64     |  |  |
| 7  | 5     | 4        | 3.52     | 1        | 1.48     |  |  |
| 8  | 5     | 5        | 4.82     | 0        | 0.18     |  |  |
| 9  | 5     | 5        | 4.98     | 0        | 0.02     |  |  |
| 10   | 5     | 5        | 5.00     | 0        | 0.00     |  |  |

# Saturday, February 16, 2019 07:56:18 PM **12** FIRST MODEL FLUSHOT=AGE HealthAwareness HealthIns

| Hosmer and Lemeshow<br>Goodness-of-Fit Test |   |        |  |  |
|---|---|--------|--|--|
| Chi-Square DF Pr > ChiSq                    |   |        |  |  |
| 3.2303                                      | 8 | 0.9191 |  |  |



#### The LOGISTIC Procedure

| Model Information         |                  |  |  |
|---------------------------|------------------|--|--|
| Data Set WORK.FULLLOGFLU  |                  | Predicted Values and Diagnostic Statistics |  |
| Response Variable         | FluShot          | FluShot                                    |  |
| Number of Response Levels | 2                |  |  |
| Model                     | binary logit     |  |  |
| Optimization Technique    | Fisher's scoring |  |  |

| Number of Observations Read |    |
|-----------------------------|----|
| Number of Observations Used | 50 |

| Response Profile |   |    |  |
|------------------|---|----|--|
| Ordered<br>Value |   |    |  |
| 1                | 1 | 21 |  |
| 2                | 0 | 29 |  |

Probability modeled is FluShot='1'.

**Forward Selection Procedure** 

Step 0. Intercept entered:

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

|            | Residual Chi-Square Test |               |        |  |  |
|------------|--------------------------|---------------|--------|--|--|
| Chi-Square |                          | DF Pr > ChiSo |        |  |  |
|            | 30.0257                  | 3             | <.0001 |  |  |

# **Step 1. Effect HealthIns entered:**

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

| Model Fit Statistics |                   |                                |  |
|----------------------|-------------------|--------------------------------|--|
| Criterion            | Intercept<br>Only | Intercept<br>and<br>Covariates |  |
| AIC                  | 70.029            | 45.175                         |  |
| sc                   | 71.941            | 48.999                         |  |
| -2 Log L             | 68.029            | 41.175                         |  |

| Testing Global Null Hypothesis: BETA=0 |            |    |            |
|--|------------|----|------------|
| Test                                   | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio                       | 26.8546    | 1  | <.0001     |
| Score                                  | 21.1119    | 1  | <.0001     |
| Wald                                   | 9.6872     | 1  | 0.0019     |

| Residual Chi-Square Test |               |        |  |  |
|--------------------------|---------------|--------|--|--|
| Chi-Square               | DF Pr > ChiSo |        |  |  |
| 16.2965                  | 2             | 0.0003 |  |  |

**Step 2. Effect Age entered:** 

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

| Model Fit Statistics |                   |                                |  |
|----------------------|-------------------|--------------------------------|--|
| Criterion            | Intercept<br>Only | Intercept<br>and<br>Covariates |  |
| AIC                  | 70.029            | 30.586                         |  |
| sc                   | 71.941            | 36.322                         |  |
| -2 Log L             | 68.029            | 24.586                         |  |

| Testing Global Null Hypothesis: BETA=0 |            |    |            |
|--|------------|----|------------|
| Test                                   | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio                       | 43.4431    | 2  | <.0001     |
| Score                                  | 27.5641    | 2  | <.0001     |
| Wald                                   | 8.6366     | 2  | 0.0133     |

#### The LOGISTIC Procedure

| Residual Chi-Square Test |    |            |  |  |
|--------------------------|----|------------|--|--|
| Chi-Square               | DF | Pr > ChiSq |  |  |
| 3.3630                   | 1  | 0.0667     |  |  |

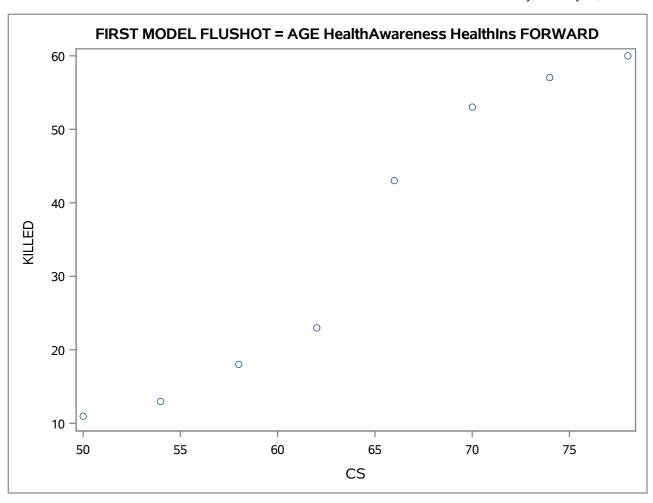
**Note:** No (additional) effects met the 0.05 significance level for entry into the model.

| Summary of Forward Selection               |           |   |   |         |        |           |
|--|-----------|---|---|---------|--------|-----------|
| Step Effect DF Number Score Variable Label |           |   |   |         |        |           |
| 1  | Healthins | 1 | 1 | 21.1119 | <.0001 | HealthIns |
| 2  | Age       | 1 | 2 | 13.8896 | 0.0002 | Age       |

| Analysis of Maximum Likelihood Estimates             |   |          |        |        |        |  |  |
|--|---|----------|--------|--------|--------|--|--|
| Parameter DF Estimate Standard Chi-Square Pr > ChiSq |   |          |        |        |        |  |  |
| Intercept  | 1 | -20.1939 | 6.8630 | 8.6579 | 0.0033 |  |  |
| Age  | 1 | 0.2946   | 0.1061 | 7.7104 | 0.0055 |  |  |
| Healthins  | 1 | 5.8876   | 2.1015 | 7.8490 | 0.0051 |  |  |

| Odds Ratio Estimates             |         |       |          |  |  |
|----------------------------------|---------|-------|----------|--|--|
| Point 95% Wald Confidence Limits |         |       |          |  |  |
| Age                              | 1.343   | 1.091 | 1.653    |  |  |
| Healthins                        | 360.538 | 5.863 | >999.999 |  |  |

| Association of Predicted Probabilities and<br>Observed Responses |      |           |       |  |  |
|--|------|-----------|-------|--|--|
| Percent Concordant   | 95.4 | Somers' D | 0.915 |  |  |
| Percent Discordant   | 3.9  | Gamma     | 0.921 |  |  |
| Percent Tied 0.7 Tau-a 0.455                                     |      |           |       |  |  |
| Pairs  | 609  | с         | 0.957 |  |  |



Saturday, February 16, 2019 07:56:18 PM **18** 

### FIRST MODEL FLUSHOT = AGE HealthAwareness HealthIns FORWARD

#### The NLIN Procedure **Dependent Variable KILLED**

| Grid Search |        |        |                   |  |  |  |
|-------------|--------|--------|-------------------|--|--|--|
| К           | Yo     | R      | Sum of<br>Squares |  |  |  |
| 60.0000     | 0.0100 | 0.0100 | 12638.9           |  |  |  |
| 60.0000     | 0.0100 | 0.1600 | 1390.2            |  |  |  |
| 60.0000     | 0.0100 | 0.3100 | 8081.0            |  |  |  |
| 60.0000     | 0.0100 | 0.4600 | 8090.0            |  |  |  |

#### **The NLIN Procedure Dependent Variable KILLED** . Method: Gauss-Newton

|      | Iterative Phase |         |        |                   |  |  |  |
|------|-----------------|---------|--------|-------------------|--|--|--|
| Iter | К               | Yo      | R      | Sum of<br>Squares |  |  |  |
| 0    | 60.0000         | 0.0100  | 0.1600 | 1390.2            |  |  |  |
| 1    | 62.4769         | 0.0242  | 0.1278 | 238.0             |  |  |  |
| 2    | 67.0682         | 0.0133  | 0.1324 | 158.8             |  |  |  |
| 3    | 67.1811         | 0.00892 | 0.1379 | 156.5             |  |  |  |
| 4    | 67.1517         | 0.00725 | 0.1412 | 145.5             |  |  |  |
| 5    | 67.1375         | 0.00531 | 0.1460 | 136.5             |  |  |  |
| 6    | 67.1232         | 0.00385 | 0.1511 | 124.6             |  |  |  |
| 7    | 67.1738         | 0.00218 | 0.1597 | 122.4             |  |  |  |
| 8    | 67.0614         | 0.00187 | 0.1647 | 83.6046           |  |  |  |
| 9    | 67.9779         | 0.00217 | 0.1621 | 82.8280           |  |  |  |
| 10   | 67.9212         | 0.00219 | 0.1623 | 82.6217           |  |  |  |
| 11   | 68.0088         | 0.00224 | 0.1618 | 82.6195           |  |  |  |
| 12   | 67.9981         | 0.00224 | 0.1619 | 82.6192           |  |  |  |
| 13   | 68.0027         | 0.00224 | 0.1618 | 82.6192           |  |  |  |
| 14   | 68.0021         | 0.00224 | 0.1618 | 82.6192           |  |  |  |

NOTE: Convergence criterion met.

| Estimation Summary    |              |  |  |  |
|-----------------------|--------------|--|--|--|
| Method                | Gauss-Newton |  |  |  |
| Iterations            | 14           |  |  |  |
| Subiterations         | 9            |  |  |  |
| Average Subiterations | 0.642857     |  |  |  |
| R                     | 9.432E-6     |  |  |  |
| PPC(Yo)               | 0.000039     |  |  |  |
| RPC(Yo)               | 0.000036     |  |  |  |
| Object 2.52E-         |              |  |  |  |
| Objective             | 82.61921     |  |  |  |
| Observations Read     | 8            |  |  |  |
| Observations Used     | 8            |  |  |  |
| Observations Missing  | 0            |  |  |  |

#### **The NLIN Procedure**

Note: An intercept was not specified for this model.

| Source            | DF | Sum of<br>Squares | Mean<br>Square | F Value | Approx<br>Pr > F |
|-------------------|----|-------------------|----------------|---------|------------------|
| Model             | 3  | 12567.4           | 4189.1         | 253.52  | <.0001           |
| Error             | 5  | 82.6192           | 16.5238        |         |                  |
| Uncorrected Total | 8  | 12650.0           |                |         |                  |

| Parameter | Estimate | Approx<br>Std Error | Approximate 95%<br>Confidence Limits |         |
|-----------|----------|---------------------|--------------------------------------|---------|
| К         | 68.0021  | 7.6687              | 48.2891                              | 87.7151 |
| Yo        | 0.00224  | 0.00458             | -0.00954                             | 0.0140  |
| R         | 0.1618   | 0.0344              | 0.0733                               | 0.2504  |

| Approximate Correlation Matrix |            |            |            |  |  |  |
|--------------------------------|------------|------------|------------|--|--|--|
|                                | K Yo R     |            |            |  |  |  |
| K                              | 1.0000000  | 0.8053658  | -0.8356282 |  |  |  |
| Yo                             | 0.8053658  | 1.0000000  | -0.9970150 |  |  |  |
| R                              | -0.8356282 | -0.9970150 | 1.0000000  |  |  |  |

