```
LOGIT 1
--> LOGIT;Lhs=DAP;Rhs=ONE,PH,HRAS,INGRES,SEXO,OCUPAC,EDU,TAH,EDAD$
Normal exit from iterations. Exit status=0.

              +---------------------------------------------+
              | Multinomial Logit Model                     |
              | Maximum Likelihood Estimates                |
              | Dependent variable                  DAP     |
              | Weighting variable                  ONE     |
              | Number of observations              360     |
              | Iterations completed                  5     |
              | Log likelihood function       -203.2186     |
              | Restricted log likelihood     -234.8832     |
              | Chi-squared                    63.32914     |
              | Degrees of freedom                    8     |
              | Significance level             .0000000     |
              +---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
          Characteristics in numerator of Prob[Y = 1]
 Constant  1.965849504      .67791248        2.900   .0037
 PH       -.8064496120E-01  .36999055E-01   -2.180   .0293  4.1455556
 HRAS      .2479336608      .11175107        2.219   .0265  3.3416667
 INGRES    .2528046324E-01  .11007533         .230   .8184  2.3944444
 SEXO     -.3568075304      .24790770       -1.439   .1501  .49444444
 OCUPAC   -.5477507551E-01  .10871950        -.504   .6144  2.2972222
 EDU       .6871782971E-01  .50571570E-01    1.359   .1742  4.3694444
 TAH      -.4278255683E-01  .15499878        -.276   .7825  2.3027778
 EDAD     -.4693178260      .81505367E-01   -5.758   .0000  3.6833333

+----------------------------------------+
| Fit Measures for Binomial Choice Model |
| Logit  model for variable DAP          |
+----------------------------------------+
| Proportions P0= .358333   P1= .641667  |
| N =     360 N0=     129   N1=     231  |
| LogL =  -203.21859 LogL0 =  -234.8832  |
+----------------------------------------+
|     Efron |  McFadden  |  Ben./Lerman  |
|    .17130 |    .13481  |       .61848  |
|    Cramer | Veall/Zim. |     Rsqrd_ML  |
|    .17036 |    .26424  |       .16131  |
+----------------------------------------+
| Information  Akaike I.C. Schwartz I.C. |
| Criteria        1.17899     459.41212  |
+----------------------------------------+
Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.
         Predicted
------  ----------  +  -----
Actual      0    1  |  Total
------  ----------  +  -----
  0        67   62  |    129
  1        32  199  |    231
------  ----------  +  -----
Total      99  261  |    360
```

```
LOGIT 2
--> LOGIT;Lhs=DAP;Rhs=ONE,PH,EDU,SEXO,INGRES,HRAS,EDAD$
Normal exit from iterations. Exit status=0.

              +---------------------------------------------+
              | Multinomial Logit Model                     |
              | Maximum Likelihood Estimates                |
              | Dependent variable                  DAP     |
              | Weighting variable                  ONE     |
              | Number of observations              360     |
              | Iterations completed                  5     |
              | Log likelihood function       -203.3749     |
              | Restricted log likelihood     -234.8832     |
              | Chi-squared                    63.01656     |
              | Degrees of freedom                    6     |
              | Significance level             .0000000     |
              +---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
          Characteristics in numerator of Prob[Y = 1]
 Constant  1.801480845      .58591531        3.075   .0021
 PH       -.8037919063E-01  .36885147E-01   -2.179   .0293  4.1455556
 EDU       .6497229384E-01  .50062567E-01    1.298   .1943  4.3694444
 SEXO     -.3553596940      .24770928       -1.435   .1514  .49444444
 INGRES    .2453499935E-01  .10850753         .226   .8211  2.3944444
 HRAS      .2491357937      .11160756        2.232   .0256  3.3416667
 EDAD     -.4823757043      .78331330E-01   -6.158   .0000  3.6833333

+----------------------------------------+
| Fit Measures for Binomial Choice Model |
| Logit  model for variable DAP          |
+----------------------------------------+
| Proportions P0= .358333   P1= .641667  |
| N =     360 N0=     129   N1=     231  |
| LogL =  -203.37488 LogL0 =  -234.8832  |
+----------------------------------------+
|     Efron |  McFadden  |  Ben./Lerman  |
|    .17011 |    .13414  |       .61801  |
|    Cramer | Veall/Zim. |     Rsqrd_ML  |
|    .16934 |    .26313  |       .16058  |
+----------------------------------------+
| Information  Akaike I.C. Schwartz I.C. |
| Criteria        1.16875     447.95248  |
+----------------------------------------+
Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

            Predicted
------  ----------  +  -----
Actual      0    1  |  Total
------  ----------  +  -----
  0        67   62  |    129
  1        35  196  |    231
------  ----------  +  -----
Total     102  258  |    360
```

LOGIT 3

```
--> LOGIT;Lhs=DAP;Rhs=ONE,PH,EDU,SEXO,INGRES,HRAS$
Normal exit from iterations. Exit status=0.

              +---------------------------------------------+
              | Multinomial Logit Model                     |
              | Maximum Likelihood Estimates                |
              | Dependent variable                  DAP     |
              | Weighting variable                  ONE     |
              | Number of observations              360     |
              | Iterations completed                  4     |
              | Log likelihood function       -224.9462     |
              | Restricted log likelihood     -234.8832     |
              | Chi-squared                    19.87397     |
              | Degrees of freedom                    5     |
              | Significance level             .1319643E-02 |
              +---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
          Characteristics in numerator of Prob[Y = 1]
 Constant  .3710379525      .50787724         .731   .4650
 PH       -.8315446466E-01  .34608473E-01   -2.403   .0163  4.1455556
 EDU       .3392334505E-01  .46468921E-01     .730   .4654  4.3694444
 SEXO     -.5751415059      .23089861       -2.491   .0127  .49444444
 INGRES   -.1060471170      .10072186       -1.053   .2924  2.3944444
 HRAS      .2930165178      .10422360        2.811   .0049  3.3416667

+----------------------------------------+
| Fit Measures for Binomial Choice Model |
| Logit  model for variable DAP          |
+----------------------------------------+
| Proportions P0= .358333   P1= .641667  |
| N =     360 N0=     129   N1=     231  |
| LogL =  -224.94618 LogL0 =  -234.8832  |
+----------------------------------------+
|     Efron |  McFadden  |  Ben./Lerman  |
|    .05666 |    .04231  |       .56571  |
|    Cramer | Veall/Zim. |     Rsqrd_ML  |
|    .05561 |    .09241  |       .05371  |
+----------------------------------------+
| Information  Akaike I.C. Schwartz I.C. |
| Criteria        1.28303     485.20898  |
+----------------------------------------+
Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

            Predicted
------  ----------  +  -----
Actual      0    1  |  Total
------  ----------  +  -----
  0        21  108  |    129
  1        16  215  |    231
------  ----------  +  -----
Total      37  323  |    360
```

LOGIT 4

```
--> LOGIT;Lhs=DAP;Rhs=ONE,PH,EDAD,INGRES,SEXO,HRAS$
Normal exit from iterations. Exit status=0.

              +---------------------------------------------+
              | Multinomial Logit Model                     |
              | Maximum Likelihood Estimates                |
              | Dependent variable                  DAP     |
              | Weighting variable                  ONE     |
              | Number of observations              360     |
              | Iterations completed                  5     |
              | Log likelihood function       -204.2258     |
              | Restricted log likelihood     -234.8832     |
              | Chi-squared                    61.31481     |
              | Degrees of freedom                    5     |
              | Significance level             .0000000     |
              +---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
          Characteristics in numerator of Prob[Y = 1]
 Constant  2.034801876      .55828094        3.645   .0003
 PH       -.7994037297E-01  .36716886E-01   -2.177   .0295  4.1455556
 EDAD     -.4711397373      .77173102E-01   -6.105   .0000  3.6833333
 INGRES    .3278865617E-01  .10787756         .304   .7612  2.3944444
 SEXO     -.3151023911      .24485786       -1.287   .1981  .49444444
 HRAS      .2383087403      .11121470        2.143   .0321  3.3416667

+----------------------------------------+
| Fit Measures for Binomial Choice Model |
| Logit  model for variable DAP          |
+----------------------------------------+
| Proportions P0= .358333   P1= .641667  |
| N =     360 N0=     129   N1=     231  |
| LogL =  -204.22575 LogL0 =  -234.8832  |
+----------------------------------------+
|     Efron |  McFadden  |  Ben./Lerman  |
|    .16393 |    .13052  |       .61564  |
|    Cramer | Veall/Zim. |     Rsqrd_ML  |
|    .16419 |    .25706  |       .15660  |
+----------------------------------------+
| Information  Akaike I.C. Schwartz I.C. |
| Criteria        1.16792     443.76813  |
+----------------------------------------+
Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

            Predicted
------  ----------  +  -----
Actual      0    1  |  Total
------  ----------  +  -----
  0        65   64  |    129
  1        30  201  |    231
------  ----------  +  -----
Total      95  265  |    360
```