Appendix U

Social Studies LOGIT Regression Analysis

Table U1: Social Studies Course Group LOGIT Regression Results

```
Classification Table for PASS
The Cut Value is .50
                    Predicted
                  fail    pass     Percent Correct
                     f  I    p
Observed        +-------+-------+
   fail     f   I   44  I  269  I   14.06%
                +-------+-------+
   pass     p   I   38  I  963  I   96.20%
                +-------+-------+
                           Overall  76.64%

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------------------------ Variables in the Equation ------------------------

Variable              B      S.E.     Wald    df      Sig       R    Exp(B)

ASVAB            .0278     .0073  14.3545     1    .0002   .0925    1.0282
COAST            .1726     .1522   1.2867     1    .2567   .0000    1.1884
GENDER           .3069     .2910   1.1117     1    .2917   .0000    1.3591
MARRIED         -.1139     .1593    .5114     1    .4745   .0000     .8924
MODE            1.1781     .1624  52.5944     1    .0000   .1873    3.2483
PGDE             .2563     .0690  13.7894     1    .0002   .0904    1.2921
RACETH                             5.2267     4    .2648   .0000
 White         -1.6285    1.0550   2.3828     1    .1227  -.0163     .1962
 Black         -1.6325    1.0690   2.3323     1    .1267  -.0152     .1954
 Hispanic      -1.1127    1.1348    .9614     1    .3268   .0000     .3287
 Asian-Pacific -1.3073    1.0787   1.4686     1    .2256   .0000     .2706
RECENTCO         .0633     .0176  12.9996     1    .0003   .0873    1.0654
TYPENAME                           20.7721     3    .0001   .1012
 Submarine       .2559     .1912   1.7920     1    .1807   .0000    1.2916
 Carrier        1.0498     .2668  15.4869     1    .0001   .0967    2.8570
 Cru-Des        -.0438     .1796    .0594     1    .8074   .0000     .9572
Constant       -3.9193    1.5163   6.6812     1    .0097

             Observed Groups and Predicted Probabilities

     160 +                                                            +
         I                                                            I
         I                                                            I
F        I                                                            I
R    120 +                                                            +
E        I                                                            I
Q        I                                                            I
U        I                                                      p     I
E     80 +                                                    p p p   +
N        I                                                   pppppp   I
C        I                                                  ppppppp   I
Y        I                                            p pppppppppppp  I
      40 +                                     p    p  pppppppppppppp +
         I                                     pp  ppp pppppppppppppp I
         I                                pppppppfpppppppfpppppfpppppppppI
         I                        p ppfpfffffffffffffffffffffffffffpppI
Predicted --------------+--------------+--------------+---------------
  Prob:   0             .25            .5             .75            1
  Group:  fffffffffffffffffffffffffffffpppppppppppppppppppppppppppppp

          Predicted Probability is of Membership for pass
          The Cut Value is .50
          Symbols: f - fail
                   p - pass
          Each Symbol Represents 10 Cases.
```