Appendix V

Math Course Group LOGIT Regression Analysis

Table V1: Math Course Group LOGIT Regression Results

Classification Table for PASS
The Cut Value is .50

		Predicted fail f	Predicted pass I p	Percent Correct
Observed fail	f	37	85	30.33%
pass	p	26	189	87.91%
			Overall	67.06%

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

Variable	B	S.E.	Wald	df	Sig	R	Exp(B)
ASVAB	.0295	.0137	4.6402	1	.0312	.0774	1.0300
COAST	.4556	.2915	2.4431	1	.1180	.0317	1.5771
GENDER	-.9870	.6256	2.4894	1	.1146	-.0333	.3727
MARRIED	-.2440	.2915	.7010	1	.4025	.0000	.7835
MODE	1.0331	.3514	8.6410	1	.0033	.1227	2.8098
PGDE	.0427	.1297	.1084	1	.7420	.0000	1.0436
RACETH			2.2805	4	.6843	.0000	
White	-5.6060	11.0837	.2558	1	.6130	.0000	.0037
Black	-5.2685	11.0897	.2257	1	.6347	.0000	.0052
Hispanic	-4.9793	11.0928	.2015	1	.6535	.0000	.0069
Asian-Pacific	-5.3007	11.0905	.2284	1	.6327	.0000	.0050
RECENTCO	.0038	.0059	.4136	1	.5201	.0000	1.0038
TYPENAME			13.9567	3	.0030	.1343	
Submarine	.4567	.3533	1.6709	1	.1961	.0000	1.5788
Carrier	1.9631	.5557	12.4783	1	.0004	.1541	7.1214
Cru-Des	.8654	.3628	5.6914	1	.0170	.0915	2.3761
Constant	1.1356	11.2498	.0102	1	.9196		

Observed Groups and Predicted Probabilities

```
      32 +                                                          +
         I                                                          I
         I                                                          I
F        I                                                          I
R     24 +                                          pp              +
E        I                                          pp              I
Q        I                                     p  p ppp             I
U        I                                     p  p pppp            I
E     16 +                                     p  p pppp            +
N        I                                     pp p pppp            I
C        I                               p     pp p pppp p          I
Y        I                               f  p ppfpppppppppp         I
       8 +                            p pf pppppfpppppfpppppppp      +
         I                   p   p p  pf pfppppfpfppfpffpppppppp     I
         I                 p f p fpp fffpfffffffffffffffffpfpppp    pI
         I          f  pfpfff ffffffffffffffffffffffffffffpfpfp    pI
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 2 Cases.
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