Appendix W

History Course Group LOGIT Regression Analysis

Table W1: History Course Group LOGIT Regression Results

Classification Table for PASS
The Cut Value is .50

		Predicted fail f	Predicted pass p	Percent Correct
Observed				
fail	f	36	340	9.57%
pass	p	27	1365	98.06%
			Overall	79.24%

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

Variable	B	S.E.	Wald	df	Sig	R	Exp(B)
ASVAB	.0138	.0068	4.1856	1	.0408	.0346	1.0139
COAST	-.1636	.1282	1.6279	1	.2020	.0000	.8491
GENDER	.6801	.3269	4.3287	1	.0375	.0357	1.9741
MARRIED	.0405	.1388	.0852	1	.7704	.0000	1.0413
MODE	1.3817	.1540	80.4824	1	.0000	.2071	3.9815
PGDE	.2602	.0586	19.7125	1	.0000	.0984	1.2972
RACETH			.5855	4	.9647	.0000	
White	.1663	.8533	.0380	1	.8455	.0000	1.1809
Black	.1666	.8758	.0362	1	.8491	.0000	1.1813
Hispanic	.0414	.8734	.0023	1	.9622	.0000	1.0423
Asian-Pacific	.3071	.9228	.1107	1	.7393	.0000	1.3594
RECENTCO	.0246	.0088	7.8522	1	.0051	.0566	1.0249
TYPENAME			19.7219	3	.0002	.0866	
Submarine	.3988	.1736	5.2774	1	.0216	.0423	1.4901
Carrier	.5915	.1602	13.6246	1	.0002	.0797	1.8067
Cru-Des	.9402	.2524	13.8745	1	.0002	.0806	2.5606
Constant	-4.8540	1.3436	13.0521	1	.0003		

Observed Groups and Predicted Probabilities

```
     160 +                                                    p        +
         I                                                    p        I
         I                                                   ppp       I
F        I                                                   ppp       I
R    120 +                                                   ppppp     +
E        I                                                   ppppp     I
Q        I                                             p pppppppp      I
U        I                                             ppppppppp       I
E     80 +                                             ppppppppp       +
N        I                                            pppppppppp       I
C        I                                        p  ppppppppppp       I
Y        I                                       pp pppppppppppp       I
      40 +                                       ppppppppppppppp       +
         I                                  pp pppppppfpppffppppp      I
         I                              ppppppppffpppfffpfffpppppp     I
         I                        p pppfpfffffffffffffffffffffffpppppI
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.
```