

Appendix 1: MODEL 1 - AGE CONTINUOUS, WITH TIME INTERACTIONS

Probit model with endogenous regressors
 Log pseudolikelihood = -6181.4916

Number of obs = 7425
 Wald chi2(22) = 1915.18
 Prob > chi2 = 0.0000

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|
|               Robust
|               [95%
|               Conf. Interval]
|-----+-----
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SOCIS_CONT~T   .5604458   .1747536   3.21   0.001   .2179349   .9029566
LOC_BUC        .3881292   .0596553   6.51   0.000   .271207    .5050514
CHILD         .9169628   .0562033  16.32   0.000   .8068064   1.027119
NETW_abroad1  .172394    .0623104   2.77   0.006   .0502679   .29452
LANGUAGES     .2317528   .043101    5.38   0.000   .1472765   .3162292
NETW_asoc     .2533033   .0550688   4.6    0.000   .1453705   .3612361
-
STUDENT       .6084335   .1594819  -3.82   0.000  -.9210122   .2958548
I_STUDENT     .1863362   .0453341   4.11   0.000   .097483    .2751893
-
BCEMPL       .6004485   .065696   -9.14   0.000  -.7292103   .4716867
-
INACTIVE     .5257831   .1197571  -4.39   0.000  -.7605027   .2910634
I_INACTIVE    -.059531   .0320049  -1.86   0.063  -.1222594   .0031975
-
D1234        .4112839   .0493555  -8.33   0.000  -.5080189   .3145489
D8910        .3623193   .0559266   6.48   0.000   .252705    .4719335
-
PGEDUC_w     .6983371   .064211   -10.88  0.000  -.8241883   .5724858
-
LEDUC_w      .6917444   .095258   -7.26   0.000  -.8784467   .5050421
I_LEDUC_w    .1297367   .0259444   5.00   0.000   .0788866   .1805868
-
AGE          .0127491   .0022839  -5.58   0.000  -.0172255   .0082727
I_AGE        .0026663   .0005348   4.99   0.000   .0016181   .0037144
LOC_DIST2    .0002658   .0000595   4.46   0.000   .0001491   .0003824
-
LOC_DIST     .0430706   .0050889  -8.46   0.000  -.0530447   .0330966
I_DIST       .0033718   .001234    2.73   0.006   .0009533   .0057904
-
GENDER       -.109061   .03913    -2.79   0.005  -.1857545   .0323676
-
_cons        .6479657   .1869412  -3.47   0.001  -1.014364   .2815677
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-
/athrho      .1860675   .0726046  -2.56   0.010  -.3283699   .0437651
-
/lnsigma     .9512148   .0084259  112.89  0.000  -.9677293   .9347004
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rho          .1839495   .0701478          -.3170553   .0437371
sigma        .3862715   .0032547          .3799448   .3927035
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Instrumented:  SOCIS_CONTENT
Instruments:  LOC_BUC CHILD NETW_abroad1 LANGUAGES NETW_asoc STUDENT
              I_STUDENT BEMPL INACTIVE I_INACTIVE D1234 D8910 PGEDUC_w
              LEDUC_w I_LEDUC_w AGE I_AGE LOC_DIST2 LOC_DIST I_DIST GENDER
              ABS_improve TRUST_PEERS PERC_future TRUST_INST
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Wald test of exogeneity (/athrho = 0): chi2(1) = 6.57 Prob > chi2 = 0.0104

Marginal effects after ivprobit

y = Probability of positive outcome (predict, p) = **.15148748**

Appendix 2: Probit model – prediction rates

Model 1

Probit model for ACCESS_PC

----- True -----

Classified	TRUE		Total
	D	~D	
+	1009	402	1411
-	832	5182	6014
Total	1841	5584	7425

Classified + if predicted Pr(D) >= .5

True D defined as ACCESS_PC != 0

Sensitivity	Pr(+ D)	54.81%
Specificity	Pr(- ~D)	92.80%
Positive predictive value	Pr(D +)	71.51%
Negative predictive value	Pr(~D -)	86.17%
False + rate for true ~D	Pr(+ ~D)	7.20%
False - rate for true D	Pr(- D)	45.19%
False + rate for classified +	Pr(~D +)	28.49%
False - rate for classified -	Pr(D -)	13.83%
Correctly classified		83.38%