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1 . do "C:\Users\srkoontz\Documents\Office\Documents\Classes\AREC-ECON 535 Econometrics\Resources\testscores.do"
2 . import excel "C:\Users\srkoontz\Documents\Office\Documents\Classes\AREC-ECON 535 Econometrics\Resources\Test Scores D
(5 vars, 32 obs)

```

```

3 . probit GRADE GPA TUCE PSI

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```

Iteration 0: log likelihood = -20.59173
Iteration 1: log likelihood = -12.908127
Iteration 2: log likelihood = -12.818964
Iteration 3: log likelihood = -12.818804
Iteration 4: log likelihood = -12.818804

```

```

Probit regression                Number of obs   =      32
                                LR chi2(3)         =      15.55
                                Prob > chi2         =      0.0014
Log likelihood = -12.818804      Pseudo R2      =      0.3775

```

GRADE	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GPA	1.62581	.6938825	2.34	0.019	.2658254	2.985795
TUCE	.0517289	.0838903	0.62	0.537	-.1126929	.2161508
PSI	1.426332	.5950379	2.40	0.017	.2600795	2.592585
_cons	-7.45232	2.542472	-2.93	0.003	-12.43547	-2.469165

```

4 . margins, dydx(*) atmeans

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Conditional marginal effects    Number of obs   =      32
Model VCE      : OIM

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Expression   : Pr(GRADE), predict()
dy/dx w.r.t. : GPA TUCE PSI
at           : GPA           =      3.117188 (mean)
              TUCE          =      21.9375 (mean)
              PSI           =       .4375 (mean)

```

	Delta-method		z	P> z	[95% Conf. Interval]	
	dy/dx	Std. Err.				
GPA	.533347	.2324641	2.29	0.022	.0777258	.9889682
TUCE	.0169697	.0271198	0.63	0.531	-.0361841	.0701235
PSI	.4679084	.1876424	2.49	0.013	.1001361	.8356807

```

5 . logit GRADE GPA TUCE PSI

```

```

Iteration 0: log likelihood = -20.59173
Iteration 1: log likelihood = -13.259769
Iteration 2: log likelihood = -12.894607
Iteration 3: log likelihood = -12.889639
Iteration 4: log likelihood = -12.889634
Iteration 5: log likelihood = -12.889634

```

```

Logistic regression                Number of obs   =      32
                                LR chi2(3)         =      15.40
                                Prob > chi2         =      0.0015
Log likelihood = -12.889634      Pseudo R2      =      0.3740

```

