STaTa®
Statistics/Data analysis

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```
     name:  <unnamed>
      log:  /msu/scratch4/m1cmb07/Connor_bob/mmb/output/stepwise_regressions/y_timing
> _max_nonmod_Est.smcl
 log type:  smcl
 opened on:  23 Jul 2024, 10:19:33
```
****
Outcomes of bi-directional stepwise regressions with y_timing_max with rule fixed effe
> cts
Independent Variable set: nonmod_Est
****
note: **rule_tr** omitted because of collinearity.
note: **est_early** omitted because of collinearity.

Fitting Poisson model:

```
Iteration 0:  Log pseudolikelihood = -292.15301
Iteration 1:  Log pseudolikelihood = -292.15254
Iteration 2:  Log pseudolikelihood = -292.15254
```

Fitting constant-only model:

```
Iteration 0:  Log pseudolikelihood =  -320.2939
Iteration 1:  Log pseudolikelihood = -299.61819
Iteration 2:  Log pseudolikelihood = -299.55073
Iteration 3:  Log pseudolikelihood = -299.55052
Iteration 4:  Log pseudolikelihood = -299.55052
```

Fitting full model:

```
Iteration 0:  Log pseudolikelihood = -282.80465
Iteration 1:  Log pseudolikelihood = -280.37802
Iteration 2:  Log pseudolikelihood = -280.30099
Iteration 3:  Log pseudolikelihood =  -280.3009
Iteration 4:  Log pseudolikelihood =  -280.3009
```

Negative binomial regression

Dispersion: **mean**
Log pseudolikelihood = **-280.3009**

		Number of obs =	**148**
		Wald chi2(**5**) =	**53.50**
		Prob > chi2 =	**0.0000**
		Pseudo R2 =	**0.0643**

y_timing_max	Coefficient	Robust std. err.	z	P>|z|	[95% conf. interval]	
rule_g	**.5289701**	**.2029497**	**2.61**	**0.009**	**.1311961**	**.9267441**
rule_itr	**.3239716**	**.1748173**	**1.85**	**0.064**	**-.0186641**	**.6666072**
rule_tr	**0**	(omitted)				
vint_early	**.3815535**	**.2089452**	**1.83**	**0.068**	**-.0279715**	**.7910785**
est_late	**.2762755**	**.1709063**	**1.62**	**0.106**	**-.0586947**	**.6112456**
est_early	**0**	(omitted)				
cb_authors_ext	**.6527053**	**.1269604**	**5.14**	**0.000**	**.4038675**	**.9015431**
_cons	**.0632789**	**.1720326**	**0.37**	**0.713**	**-.2738987**	**.4004566**
/lnalpha	**-1.813005**	**.5152584**			**-2.822893**	**-.8031173**
alpha	**.1631631**	**.0840711**			**.0594337**	**.4479305**

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