

Regression Output: Table 5 (Random Effects OLS)

Random-effects GLS regression Number of obs = 1806
 Group variable (i): subject Number of groups = 70

R-sq: within = 0.1498 Obs per group: min = 18
 between = 0.0205 avg = 25.8
 overall = 0.0935 max = 28

Random effects u_i ~ Gaussian Wald chi2(8) = 265.62
 corr(u_i, X) = 0 (assumed) Prob > chi2 = 0.0000

(Std. Err. adjusted for 10 clusters in group)

resgive	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
period	-.0146343	.0028015	-5.22	0.000	-.0201252	-.0091434
stage2	.0929123	.0578177	1.61	0.108	-.0204083	.2062329
stage3	.0801284	.0945266	0.85	0.397	-.1051404	.2653972
stage4	.3113879	.1238803	2.51	0.012	.0685869	.554189
perst2	-.0071442	.0047899	-1.49	0.136	-.0165322	.0022439
perst3	-.0018041	.0063919	-0.28	0.778	-.014332	.0107238
perst4	-.0112116	.0049686	-2.26	0.024	-.0209499	-.0014733
tax	-.0000604	.0004121	-0.15	0.884	-.000868	.0007473
grace	-.3128544	.5677416	-0.55	0.582	-1.425607	.7998987
aoggrp	-.6449804	.2828436	-2.28	0.023	-1.199344	-.0906172
peraog	.0268776	.0118938	2.26	0.024	.0035663	.050189
graceper	.0343827	.0206343	1.67	0.096	-.0060599	.0748252
_cons	.6391612	.0448973	14.24	0.000	.551164	.7271583
sigma_u	.25091497					
sigma_e	.27236884					
rho	.45907026	(fraction of variance due to u_i)				

Regression Output: Table 5 (Random Effects Tobit)

```
Random-effects tobit regression      Number of obs   =    1806
Group variable (i): subject         Number of groups  =     70
```

[illegible]

Log likelihood = -1090.8857	Wald chi2(12)	=	322.06
	Prob > chi2	=	0.0000

resgive	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
period	-.0221774	.0040019	-5.54	0.000	-.0300209	-.0143339
stage2	.1982824	.1098944	1.80	0.071	-.0171066	.4136714
stage3	.1546998	.168511	0.92	0.359	-.1755757	.4849753
stage4	.4556146	.2014264	2.26	0.024	.0608261	.850403
perst2	-.0137548	.0101697	-1.35	0.176	-.033687	.0061774
perst3	-.0039736	.0099764	-0.40	0.690	-.023527	.0155797
perst4	-.0150585	.0086613	-1.74	0.082	-.0320343	.0019172
tax	-.0007602	.0006926	-1.10	0.272	-.0021176	.0005973
grace	-.7169524	.8525453	-0.84	0.400	-2.387911	.9540058
aoggrp	-1.149947	.7127187	-1.61	0.107	-2.54685	.2469559
peraog	.0466587	.0281122	1.66	0.097	-.0084402	.1017575
graceper	.070592	.0342592	2.06	0.039	.0034452	.1377387
_cons	.5756019	.0392728	14.66	0.000	.4986287	.6525752
/sigma_u	.3983899	.0266609	14.94	0.000	.3461355	.4506444
/sigma_e	.3808764	.0087384	43.59	0.000	.3637494	.3980034
rho	.522463	.034115			.4555965	.5887016

Regression Output: Table 6 (Random Effects OLS)

Random-effects GLS regression Number of obs = 1806
 Group variable (i): subject Number of groups = 70

R-sq: within = 0.1510 Obs per group: min = 18
 between = 0.0205 avg = 25.8
 overall = 0.0940 max = 28

Random effects u_i ~ Gaussian Wald chi2(8) = 667.40
 corr(u_i, X) = 0 (assumed) Prob > chi2 = 0.0000

(Std. Err. adjusted for 10 clusters in group)

resgive	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
period	-.0138242	.0026504	-5.22	0.000	-.0190189	-.0086295
stage2	.0923474	.0576575	1.60	0.109	-.0206593	.2053541
stage3	.1010623	.0885096	1.14	0.254	-.0724134	.2745379
stage4	.3254556	.1279914	2.54	0.011	.074597	.5763141
perst2	-.0079542	.0048137	-1.65	0.098	-.0173888	.0014804
perst3	-.0023228	.0062788	-0.37	0.711	-.014629	.0099834
perst4	-.0116013	.0051322	-2.26	0.024	-.0216603	-.0015423
tax	.0000603	.0004678	0.13	0.897	-.0008565	.0009772
nhe	-.0273629	.0296253	-0.92	0.356	-.0854275	.0307016
nle	-.0424783	.040203	-1.06	0.291	-.1212747	.0363181
grace	-.2760797	.5710676	-0.48	0.629	-1.395352	.8431921
aoggrp	-.6340887	.2922573	-2.17	0.030	-1.206903	-.0612749
peraog	.0264906	.0123142	2.15	0.031	.0023553	.0506259
graceper	.0329269	.0207384	1.59	0.112	-.0077197	.0735734
_cons	.6361055	.0440197	14.45	0.000	.5498285	.7223824
sigma_u	.25372757					
sigma_e	.27234288					
rho	.46465867	(fraction of variance due to u_i)				

Regression Output: Table 6 (Random Effects Tobit)

```
Random-effects tobit regression           Number of obs   =       1806
Group variable (i): subject              Number of groups  =         70
```

[illegible]

Log likelihood = -1089.1106	Wald chi2(14)	=	323.87
	Prob > chi2	=	0.0000

resgive	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
period	-.0209265	.0040854	-5.12	0.000	-.0289338	-.0129192
stage2	.1886594	.1093668	1.73	0.085	-.0256955	.4030143
stage3	.1794792	.169347	1.06	0.289	-.1524347	.5113932
stage4	.4653056	.2005935	2.32	0.020	.0721496	.8584616
perst2	-.0148899	.0101642	-1.46	0.143	-.0348114	.0050316
perst3	-.0042032	.0099599	-0.42	0.673	-.0237242	.0153178
perst4	-.0150629	.0086189	-1.75	0.081	-.0319556	.0018297
tax	-.0003097	.0007044	-0.44	0.660	-.0016903	.0010708
nhe	-.0548098	.0415579	-1.32	0.187	-.1362618	.0266422
nle	-.0809438	.04186	-1.93	0.053	-.1629879	.0011002
grace	-.6217661	.8490457	-0.73	0.464	-2.285865	1.042333
aoggrp	-1.105972	.7084613	-1.56	0.119	-2.494531	.2825869
perao	.0445955	.0279583	1.60	0.111	-.0102017	.0993927
graceper	.0662355	.0341039	1.94	0.052	-.0006069	.133078
_cons	.5763992	.0356845	16.15	0.000	.5064589	.6463395
/sigma_u	.3853187	.0213824	18.02	0.000	.3434099	.4272274
/sigma_e	.3793722	.0087092	43.56	0.000	.3623026	.3964419
rho	.5077758	.0280152			.4529666	.5624383

Regression Output: Table 8 (Random Effects Tobit)

There are several regressions presented here. The first regression presented is a right censored (at vote ≤ 100) Random Effects Tobit Regression. This specification was used because including both left and right censoring caused the regression to NOT converge. Other variations include a left censored Random Effects Tobit (at vote ≥ 0) and the inclusion of average contributions by a subject in Stage 1 or a subject's first period contributions (in the right censored). Finally we also present regression output that has both left and right censoring from a Tobit regression.

Random-effects tobit regression	Number of obs	=	910
Group variable (i): subject	Number of groups	=	70
Random effects $u_i \sim \text{Gaussian}$	Obs per group: min	=	13
	avg	=	13.0
	max	=	13
Log likelihood = -3545.4331	Wald chi2(6)	=	233.02
	Prob > chi2	=	0.0000

vote	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
avgrpplag	-.0614461	.0221013	-2.78	0.005	-.1047639	-.0181282
nlclag	-13.93955	3.14721	-4.43	0.000	-20.10797	-7.77113
nhclag	18.84013	3.504847	5.38	0.000	11.97076	25.7095
taxlag	.4889878	.0557398	8.77	0.000	.3797399	.5982358
aogrp	-8.956421	4.100643	-2.18	0.029	-16.99353	-.9193085
grace	2.864941	6.149789	0.47	0.641	-9.188424	14.91831
_cons	56.81612	9.874097	5.75	0.000	37.46325	76.16899
/sigma_u	25.80304	2.22549	11.59	0.000	21.44116	30.16492
/sigma_e	32.54819	.9561001	34.04	0.000	30.67427	34.42212
rho	.3859285	.0421396			.3064766	.4704929

Observation summary:	0	left-censored observations
	667	uncensored observations
	243	right-censored observations


```

Random-effects tobit regression      Number of obs      =      910
Group variable (i): subject         Number of groups    =      70

Random effects u_i ~ Gaussian       Obs per group: min =      13
                                      avg  =     13.0
                                      max  =      13

                                Wald chi2(6)      =     256.67
Log likelihood = -3611.8481          Prob > chi2       =     0.0000

```

vote	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
avgrpqlag	-.0486228	.0213175	-2.28	0.023	-.0904043	-.0068414
nlclag	-11.24882	3.249515	-3.46	0.001	-17.61776	-4.879891
nhclag	20.30568	3.152773	6.44	0.000	14.12636	26.48501
taxlag	.3961449	.0501054	7.91	0.000	.2979401	.4943497
aogrp	-8.580288	3.985947	-2.15	0.031	-16.3926	-.7679752
grace	5.890568	5.800306	1.02	0.310	-5.477824	17.25896
_cons	47.54517	9.585041	4.96	0.000	28.75884	66.33151
/sigma_u	29.20456	2.66557	10.96	0.000	23.98014	34.42898
/sigma_e	31.18232	.8713908	35.78	0.000	29.47443	32.89022
rho	.4672836	.0469055			.3770188	.5592705

```

Observation summary:      219 left-censored observations
                          691 uncensored observations
                          0 right-censored observations

```

```

Tobit regression          Number of obs      =      910
                          LR chi2(7)       =     471.43
                          Prob > chi2      =     0.0000
Log likelihood = -2786.4122 Pseudo R2      =     0.0780

```

vote	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
subject	.1017971	.1017877	1.00	0.318	-.0979708	.3015651
avgrpqlag	-.0166073	.0299695	-0.55	0.580	-.0754253	.0422107
nlclag	-33.20153	5.178017	-6.41	0.000	-43.36388	-23.03919
nhclag	51.62794	5.33782	9.67	0.000	41.15196	62.10392
taxlag	1.097565	.0792924	13.84	0.000	.9419464	1.253184
aogrp	-7.396962	6.079666	-1.22	0.224	-19.32888	4.534957
grace	-12.58502	9.275134	-1.36	0.175	-30.78834	5.618308
_cons	2.927221	13.69668	0.21	0.831	-23.95381	29.80825
/sigma	55.67186	2.098266			51.55381	59.7899

```

Obs. summary:      219 left-censored observations at vote<=0
                   448 uncensored observations
                   243 right-censored observations at vote>=100

```