



Copyright 1984-2009  
 StataCorp  
 4905 Lakeway Drive  
 College Station, Texas 77845 USA  
 800-STATA-PC <http://www.stata.com>  
 979-696-4600 [stata@stata.com](mailto:stata@stata.com)  
 979-696-4601 (fax)

4-user Stata for Windows (network) perpetual license:  
 Serial number: 81910546040  
 Licensed to: Dept. of Ag & App Econ  
 UW-Madison

## Notes:

1. (/m# option or -set memory-) 10.00 MB allocated to data
2. (/v# option or -set maxvar-) 5000 maximum variables

running C:\Program Files (x86)\Stata10\profile.do ...

```
1 . (7 vars, 1674 obs pasted into editor)
   - preserve
   xtset c_id y_id
       panel variable: c_id (strongly balanced)
       time variable: y_id, 1 to 18
       delta: 1 unit
```

```
2 . xtreg fps gdp gdpcc
```

Random-effects GLS regression	Number of obs	=	1401
Group variable: c_id	Number of groups	=	91
R-sq: within = 0.1598	Obs per group: min =		6
between = 0.0391	avg =		15.4
overall = 0.0483	max =		16
Random effects u_i ~ Gaussian	Wald chi2(2)	=	93.49
corr(u_i, X) = 0 (assumed)	Prob > chi2	=	0.0000

fps	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
gdp g	4.000803	1.672144	2.39	0.017	.7234604	7.278145
gdpcc	.0071525	.000757	9.45	0.000	.0056688	.0086362
_cons	311.5611	15.37409	20.27	0.000	281.4284	341.6938
sigma_u	67.627775					
sigma_e	282.97672					
rho	.05402896	(fraction of variance due to u_i)				

```
3 . xtreg fps gdp gdpcc, fe
```

Fixed-effects (within) regression	Number of obs	=	1401
Group variable: c_id	Number of groups	=	91
R-sq: within = 0.1757	Obs per group: min =		6
between = 0.0433	avg =		15.4
overall = 0.0469	max =		16
	F(2,1308)	=	139.40
corr(u_i, Xb) = -0.8715	Prob > F	=	0.0000

fps	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gdpg	3.934792	1.661175	2.37	0.018	.6759339	7.19365
gdppc	.0238942	.0014539	16.43	0.000	.021042	.0267464
_cons	125.7951	18.69009	6.73	0.000	89.12927	162.4609
sigma_u	301.31981					
sigma_e	282.97672					
rho	.53136256	(fraction of variance due to u_i)				
F test that all u_i=0: F(90, 1308) = 4.08 Prob > F = 0.0000						