
```
name: <unnamed>
log: /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/impac
> t_regs.smcl
log type: smcl
opened on: 26 Jul 2020, 10:56:55
```

```
1 .
2 . * LPs
3 . local j = 0

4 . foreach shock in mp1 path lsap {
5 .     local ++j
6 .     if `j' == 1 {
7 .         local shk "Target"
8 .         local datecond date > td(1jan2000) & date < td(1jan2009)
9 .     }
10 .    if `j' == 2 {
11 .        local shk "Path"
12 .        local datecond date > td(1jan2000) & date < td(1jan2020)
13 .    }
14 .    if `j' == 3 {
15 .        local shk "LSAP"
16 .        local datecond date > td(1jan2009) & date < td(1jan2020)
17 .    }
18 .
19 .    foreach group in 0 1 {
20 .        if `group' == 0 {
21 .            local grp "AE"
22 .            local vars sftnom sftsyn sftrho sftphi // nom syn
23 .        }
24 .        else {
25 .            local grp "EM"
26 .            local vars sftnom sftsyn sftrho sftphi // nom dyp
27 .        }
28 .        dtp usyc syn rho phi
29 .    }
30 . }
```

```

6 .               foreach t in 24 120 { // 3 6 12 24 60 120 {
25.               foreach v in `vars' {
26.
7 .               // variables to store the betas, standard er
> rors and confidence intervals
8 .               capture {
27.                 gen b_`v'`t'm = .
28.                 gen se_`v'`t'm = .
29.                 gen ll1_`v'`t'm = .
30.                 gen ul1_`v'`t'm = .
31.                 gen ll2_`v'`t'm = .
32.                 gen ul2_`v'`t'm = .
33.               }
34.
9 .               // controls
10 .              local ctrl`v'`t'm l(2).`v'`t'm l(1).fx // 1
> (1/`maxlag').d`v'`t'm l(1/`maxlag').fx
35.
11 .              forvalues i = 0/`horizon' {
36.                // response variables
12 .                capture gen `v'`t'm`i' = (f`i'.`v'`t
> 'm - 1.`v'`t'm)
37.
13 .                // conditions
14 .                local condition em == `group' & `dat
> econd' // date > td(1jan2004) & date < td(1jan2016) // !inlist(cty,"AUD","NZ
> D") // & region == 3
38.
15 . //          // test for cross-sectional independ
> ence
16 . //          if inlist(`i',0,30,60,90) {
17 . //            quiet xtreg `v'`t'm`i' `shoc
> k' `ctrl`v'`t'm' if `condition', fe // exclude meeting after 9/11
18 . //            xtcsd, pesaran abs
19 . //          }
20 .
21 .              // one regression for each horizon

```

```

22 .                                if `i' == 0 xtreg `v'`t'm`i' `shock'
> `ctrl'`v'`t'm' if `condition', fe level(95) cluster($id)
> // report on-impact effect
39. //                                if `i' == 0 xtscs `v'`t'm`i' `sho
> ck' `ctrl'`v'`t'm' if `condition', fe level(95) lag(4)
23 .                                quiet xtreg `v'`t'm`i' `shock' `ctrl
> `v'`t'm' if `condition', fe level(95) cluster($id)
40. //                                quiet xtscs `v'`t'm`i' `shock' `c
> trl'`v'`t'm' if `condition', fe level(95) lag(4)
24 .                                capture {
41.                                    replace b_`v'`t'm = _b[`shock']
> if _n == `i'+1
42.                                    replace se_`v'`t'm = _se[`shock']
> if _n == `i'+1
43.
25 .                                // confidence intervals
26 .                                matrix R = r(table)
44.                                    replace l11_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
45.                                    replace u11_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
46.                                    quiet xtreg, level(90) // to get
> 90% CI
47. //                                quiet xtscs, level(90) // to get
> 90% CI
27 .                                matrix R = r(table)
48.                                    replace l12_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
49.                                    replace ul2_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
50.
28 .                                drop `v'`t'm`i'
51.                                    }
52.                                } // horizon
53.
29 .                                // graph
30 .                                twoway (rarea l11_`v'`t'm u11_`v'`t'm days,
> fcolor(gs12) lcolor(white) lpattern(solid)) ///
> (rarea l12_`v'`t'm ul2_`v'`t'm
> `m days, fcolor(gs10) lcolor(white) lpattern(solid)) ///
> (line b_`v'`t'm days, lcolor
> (black) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(blac
> k)), ///
> title(`: variable label `v'`t'm', color(blac
> k) size(medium)) ///
> ytitle("Basis Points", size(medsmall)) xtitl
> e("Days", size(medsmall)) xlabel(0 15 30 45 60 75 90) ///
> graphregion(color(white)) plotregion(color(w

```

```

> hite)) ///
>
54. //
> m.eps, replace
31 .
32 .
local graphs`shock'`grp'`t' `graphs`shock'`g
> rp'`t' `v'`t'm
55. drop *_`v'`t'm /
> / b_, se_ and confidence intervals
56. } // yield component
57.
33 . graph combine `graphs`shock'`grp'`t', rows(1) ycommon ///
> title("`shock' `grp' `t'm")
58. graph export $pathfigs/`shk'/'`grp'/'`shk'`grp'`v'`t'm.eps,
> replace
59.
34 . graph drop _all
60. } // tenor
61. } // AE or EM
62. } // shock

```

```

Fixed-effects (within) regression      Number of obs   =      810
Group variable: imf                   Number of groups =      10

```

```

R-sq:                                Obs per group:
    within = 0.0530                      min =      81
    between = 0.0841                     avg  =     81.0
    overall = 0.0453                      max  =      81

```

```

corr(u_i, Xb) = -0.2393                  F(3,9)           =     14.19
                                           Prob > F         =     0.0009

```

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

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.1404926	.0279757	5.02	0.001	.0772071	.2037782
sftnom24m L2.	.0016479	.0010943	1.51	0.166	-.0008276	.0041233
fx L1.	-.0064029	.0228677	-0.28	0.786	-.0581332	.0453275
_cons	-.8217677	.3974857	-2.07	0.069	-1.720943	.0774074
sigma_u	.73710158					
sigma_e	5.9265754					

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

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.208901	.0646125	3.23	0.010	.0627374	.3550646
sftrho24m L2.	-.0087544	.0021394	-4.09	0.003	-.013594	-.0039147
fx L1.	-.2290438	.1069853	-2.14	0.061	-.4710614	.0129737
_cons	3.19382	1.703609	1.87	0.094	-.6600106	7.04765
sigma_u	7.2255214					
sigma_e	8.1939375					
rho	.43744195	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 721
Number of groups = 10

R-sq:

within = 0.1233
between = 0.0128
overall = 0.0078

Obs per group:

min = 66
avg = 72.1
max = 81

corr(u_i, Xb) = -0.9731

F(3,9) = 15.25
Prob > F = 0.0007

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

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	-.3956692	.0602742	-6.56	0.000	-.532019	-.2593195
sftphi24m L2.	.0770013	.0146094	5.27	0.001	.0439526	.1100499
fx L1.	.577167	.1876609	3.08	0.013	.1526486	1.001685
_cons	-10.27232	2.96732	-3.46	0.007	-16.98486	-3.559777
sigma_u	20.990072					
sigma_e	13.132563					
rho	.71867717	(fraction of variance due to u_i)				

```
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/T
> arget/AE/TargetAE24m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Target/
> AE/TargetAE24m.eps written in EPS format)
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```
Fixed-effects (within) regression      Number of obs   =      810
Group variable: imf                   Number of groups =      10
```

```
R-sq:                                Obs per group:
    within = 0.0245                      min =      81
    between = 0.3092                     avg =     81.0
    overall = 0.0125                     max =      81
```

```
corr(u_i, Xb) = -0.4928                F(3,9)           =     12.64
                                           Prob > F         =     0.0014
```

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

sftnoml20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.0845592	.0181872	4.65	0.001	.0434169	.1257014
sftnoml20m L2.	.0047574	.0017111	2.78	0.021	.0008867	.0086281
fx L1.	.0015743	.0254808	0.06	0.952	-.0560674	.0592159
_cons	-2.231893	.6584231	-3.39	0.008	-3.72135	-.7424367
sigma_u	.8693023					
sigma_e	5.5341346					
rho	.02408	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =      721
Group variable: imf                   Number of groups =      10
```

```
R-sq:                                Obs per group:
    within = 0.0605                      min =      66
    between = 0.0834                     avg =     72.1
    overall = 0.0106                     max =      81
```

```
corr(u_i, Xb) = -0.8774                F(3,9)           =     7.98
                                           Prob > F         =     0.0066
```

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

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.3155498	.0732176	4.31	0.002	.1499201	.4811795
sftsyn120m L2.	-.0039668	.0067139	-0.59	0.569	-.0191546	.0112211
fx L1.	-.1683757	.1089846	-1.54	0.157	-.4149161	.0781647
_cons	4.205287	3.544307	1.19	0.266	-3.812491	12.22307
sigma_u	5.7086744					
sigma_e	11.659537					
rho	.19336757	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 721
Number of groups = 10

R-sq:

within = 0.0798
between = 0.0915
overall = 0.0063

Obs per group:

min = 66
avg = 72.1
max = 81

corr(u_i, Xb) = -0.9301

F(3,9) = 7.70
Prob > F = 0.0074

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

sftrhol120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.2212282	.0519139	4.26	0.002	.1037909	.3386656
sftrhol120m L2.	-.0079603	.0032055	-2.48	0.035	-.0152117	-.0007089
fx L1.	-.1856921	.0411579	-4.51	0.001	-.2787977	-.0925864
_cons	2.674566	.6675512	4.01	0.003	1.16446	4.184672
sigma_u	5.8532084					
sigma_e	7.3726597					
rho	.38661175	(fraction of variance due to u_i)				


```

Fixed-effects (within) regression               Number of obs   =       721
Group variable: imf                          Number of groups =       10

R-sq:                                          Obs per group:
    within = 0.0232                           min =          66
    between = 0.0476                         avg =       72.1
    overall = 0.0008                         max =          81

corr(u_i, Xb) = -0.9589                      F(3,9)          =       3.35
                                          Prob > F        =       0.0691

```

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

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	-.178684	.0581138	-3.07	0.013	-.3101466	-.0472214
sftphil20m L2.	-.0163046	.0092688	-1.76	0.112	-.0372722	.004663
fx L1.	.1909149	.1007808	1.89	0.091	-.0370672	.418897
_cons	-3.129528	1.632716	-1.92	0.088	-6.82299	.5639329
sigma_u	6.6317733					
sigma_e	11.565065					
rho	.24745476	(fraction of variance due to u_i)				

```

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> arget/AE/TargetAE120m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Target/
> AE/TargetAE120m.eps written in EPS format)

```

```

Fixed-effects (within) regression               Number of obs   =       794
Group variable: imf                          Number of groups =       14

R-sq:                                          Obs per group:
    within = 0.0654                           min =          20
    between = 0.3238                         avg =       56.7
    overall = 0.0140                         max =          81

corr(u_i, Xb) = -0.9918                      F(3,13)         =      38.17
                                          Prob > F        =       0.0000

```

(Std. Err. adjusted for 14 clusters in imf)

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.1408775	.0353215	3.99	0.002	.06457	.2171849
sftnom24m L2.	-.0058142	.0077154	-0.75	0.465	-.0224823	.0108539
fx L1.	-.0125326	.0012636	-9.92	0.000	-.0152624	-.0098028
_cons	13.7941	5.378614	2.56	0.024	2.174305	25.41388
sigma_u	30.777528					
sigma_e	13.203798					
rho	.84456061	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 651
Number of groups = 15

R-sq:

within = 0.2336
between = 0.4572
overall = 0.0345

Obs per group:

min = 21
avg = 43.4
max = 81

corr(u_i, Xb) = -0.9843

F(3,14) = 515.78
Prob > F = 0.0000

(Std. Err. adjusted for 15 clusters in imf)

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.8920339	.1012767	8.81	0.000	.674817	1.109251
sftsyn24m L2.	-.0454189	.0208557	-2.18	0.047	-.0901501	-.0006878
fx L1.	-.0397637	.0064576	-6.16	0.000	-.0536139	-.0259135
_cons	77.05344	8.580861	8.98	0.000	58.64932	95.45755
sigma_u	97.097628					
sigma_e	36.164774					
rho	.87817527	(fraction of variance due to u_i)				

Fixed-effects (within) regression
 Group variable: **imf**

Number of obs = **651**
 Number of groups = **15**

R-sq:

within = **0.1921**
 between = **0.4580**
 overall = **0.0309**

Obs per group:

min = **21**
 avg = **43.4**
 max = **81**

corr(u_i, Xb) = **-0.9879**

F(3,14) = **214.73**
 Prob > F = **0.0000**

(Std. Err. adjusted for **15** clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.2828681	.0853044	3.32	0.005	.0999084	.4658279
sftrho24m L2.	-.0346816	.0167059	-2.08	0.057	-.0705122	.001149
fx L1.	-.0386507	.0047374	-8.16	0.000	-.0488115	-.02849
_cons	55.55379	3.474863	15.99	0.000	48.10095	63.00662
sigma_u	93.282186					
sigma_e	34.227698					
rho	.8813407	(fraction of variance due to u_i)				

Fixed-effects (within) regression
 Group variable: **imf**

Number of obs = **572**
 Number of groups = **14**

R-sq:

within = **0.2358**
 between = **0.4257**
 overall = **0.0370**

Obs per group:

min = **20**
 avg = **40.9**
 max = **66**

corr(u_i, Xb) = **-0.9824**

F(3,13) = **266.01**
 Prob > F = **0.0000**

(Std. Err. adjusted for 14 clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mpl	-.7887763	.1016751	-7.76	0.000	-1.008432	-.5691205
sftphi24m L2.	-.0615418	.0260436	-2.36	0.034	-.1178055	-.0052781
fx L1.	.0338302	.0050858	6.65	0.000	.022843	.0448174
_cons	-33.24667	7.399578	-4.49	0.001	-49.23248	-17.26085
sigma_u	81.79014					
sigma_e	30.374612					
rho	.87879828	(fraction of variance due to u_i)				

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> arget/EM/TargetEM24m.eps not found)
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> EM/TargetEM24m.eps written in EPS format)
```

Fixed-effects (within) regression	Number of obs	=	794
Group variable: imf	Number of groups	=	14

R-sq:		Obs per group:	
within	= 0.0394	min	= 20
between	= 0.4046	avg	= 56.7
overall	= 0.0114	max	= 81

	F(3,13)	=	39.75
corr(u i, Xb) = -0.9931	Prob > F	=	0.0000

(Std. Err. adjusted for 14 clusters in imf)

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sftnoml20m0						
mp1	.169976	.0687187	2.47	0.028	.0215182	.3184338
sftnoml20m						
L2.	.0041827	.0163878	0.26	0.803	-.031221	.0395865
fx						
L1.	.0148175	.0018946	7.82	0.000	.0107245	.0189104
cons	-16.67175	11.44112	-1.46	0.169	-41.38878	8.045279

(Std. Err. adjusted for 15 clusters in imf)

sftrhol20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.5132546	.0739521	6.94	0.000	.3546432	.6718661
sftrhol20m L2.	.0100942	.0030472	3.31	0.005	.0035587	.0166298
fx L1.	-.0218851	.0011962	-18.30	0.000	-.0244506	-.0193195
_cons	21.11768	1.444358	14.62	0.000	18.01984	24.21552
sigma_u	50.732196					
sigma_e	24.564581					
rho	.81007695	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 572
Number of groups = 14

R-sq:

within = 0.2053
between = 0.5101
overall = 0.0324

Obs per group:

min = 20
avg = 40.9
max = 66

corr(u_i, Xb) = -0.9942

F(3,13) = 694.83
Prob > F = 0.0000

(Std. Err. adjusted for 14 clusters in imf)

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	-.5232175	.0759814	-6.89	0.000	-.6873653	-.3590696
sftphil20m L2.	-.0091765	.014615	-0.63	0.541	-.0407503	.0223973
fx L1.	.0453181	.0013244	34.22	0.000	.042457	.0481792
_cons	-51.04796	1.751882	-29.14	0.000	-54.83267	-47.26325
sigma_u	109.98219					
sigma_e	25.28102					
rho	.94981395	(fraction of variance due to u_i)				

```
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/T
> arget/EM/TargetEM120m.eps not found)
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> EM/TargetEM120m.eps written in EPS format)
```

```
Fixed-effects (within) regression      Number of obs   =    1,620
Group variable: imf                   Number of groups =     10
```

```
R-sq:                                Obs per group:
    within = 0.0411                      min =    162
    between = 0.0269                     avg =   162.0
    overall = 0.0387                     max =    162
```

```
corr(u_i, Xb) = -0.1866                F(3,9)          =    8.28
                                           Prob > F        =    0.0059
```

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

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.1120002	.0401162	2.79	0.021	.0212512	.2027493
sftnom24m L2.	-.001124	.0006932	-1.62	0.139	-.0026922	.0004441
fx L1.	.0062398	.0068765	0.91	0.388	-.0093158	.0217955
_cons	-.2982269	.2002168	-1.49	0.171	-.7511488	.1546951
sigma_u	.40241755					
sigma_e	4.8533195					
rho	.00682811	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =    1,531
Group variable: imf                   Number of groups =     10
```

```
R-sq:                                Obs per group:
    within = 0.2827                      min =    147
    between = 0.0685                     avg =   153.1
    overall = 0.2499                     max =    162
```

```
corr(u_i, Xb) = -0.3094                F(3,9)          =   398.08
                                           Prob > F        =    0.0000
```

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

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.6712718	.0333172	20.15	0.000	.595903	.7466405
sftsyn24m L2.	.0015219	.0013261	1.15	0.281	-.0014779	.0045218
fx L1.	-.0588223	.0261329	-2.25	0.051	-.1179389	.0002944
_cons	-.6481404	.51883	-1.25	0.243	-1.821816	.5255347
sigma_u	2.2671467					
sigma_e	9.6236952					
rho	.05257971	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 1,531
Number of groups = 10

R-sq:

within = 0.0644
between = 0.2402
overall = 0.0165

Obs per group:

min = 147
avg = 153.1
max = 162

corr(u_i, Xb) = -0.7589

F(3,9) = 11.55
Prob > F = 0.0019

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

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.1694174	.0336729	5.03	0.001	.0932441	.2455907
sftrho24m L2.	-.0057719	.001412	-4.09	0.003	-.008966	-.0025778
fx L1.	-.0772804	.0207186	-3.73	0.005	-.1241491	-.0304117
_cons	.2775877	.2983501	0.93	0.376	-.397327	.9525024
sigma_u	2.478771					
sigma_e	6.4985077					
rho	.12701431	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,531**
Number of groups = **10**

R-sq:

within = **0.2353**
between = **0.0007**
overall = **0.1618**

Obs per group:

min = **147**
avg = **153.1**
max = **162**

corr(u_i, Xb) = **-0.5546**

F(3,9) = **80.73**
Prob > F = **0.0000**

(Std. Err. adjusted for **10** clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	-.5420704	.0435252	-12.45	0.000	-.6405314	-.4436095
sftphi24m L2.	.0487203	.0128206	3.80	0.004	.0197181	.0777225
fx L1.	.0856892	.0259892	3.30	0.009	.0268975	.1444809
_cons	-1.119545	.4438027	-2.52	0.033	-2.123497	-.1155939
sigma_u	3.6111954					
sigma_e	9.4110878					
rho	.12834191	(fraction of variance due to u_i)				

(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/AE/PathAE24m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Path/AE
> /PathAE24m.eps written in EPS format)

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,620**
Number of groups = **10**

R-sq:

within = **0.0648**
between = **0.0169**
overall = **0.0553**

Obs per group:

min = **162**
avg = **162.0**
max = **162**

corr(u_i, Xb) = **-0.3693**

F(3,9) = **14.33**
Prob > F = **0.0009**

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

sftnom120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.152851	.0446923	3.42	0.008	.05175	.253952
sftnom120m L2.	-.0000531	.000985	-0.05	0.958	-.0022813	.0021751
fx L1.	.0189729	.0076461	2.48	0.035	.0016763	.0362695
_cons	-.671329	.3631263	-1.85	0.098	-1.492778	.1501197
sigma_u	.64749461					
sigma_e	5.1493864					
rho	.01556497	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 1,531
Number of groups = 10

R-sq:

within = 0.2278
between = 0.0552
overall = 0.2015

Obs per group:

min = 147
avg = 153.1
max = 162

corr(u_i, Xb) = -0.3167

F(3,9) = 496.39
Prob > F = 0.0000

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

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.6102681	.0308253	19.80	0.000	.5405363	.6799998
sftsyn120m L2.	.0036011	.0012882	2.80	0.021	.000687	.0065152
fx L1.	-.0468888	.018166	-2.58	0.030	-.087983	-.0057946
_cons	-1.261563	.5063988	-2.49	0.034	-2.407116	-.1160089
sigma_u	2.0503518					
sigma_e	10.120699					
rho	.03942459	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,531**
Number of groups = **10**

R-sq:

within = **0.0279**
between = **0.2797**
overall = **0.0026**

Obs per group:

min = **147**
avg = **153.1**
max = **162**

corr(u_i, Xb) = **-0.8775**

F(3,9) = **17.79**
Prob > F = **0.0004**

(Std. Err. adjusted for **10** clusters in imf)

sftrhol20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.1140296	.0300448	3.80	0.004	.0460635	.1819957
sftrhol20m L2.	-.0048324	.0022259	-2.17	0.058	-.0098677	.0002028
fx L1.	-.0786773	.0113876	-6.91	0.000	-.1044377	-.0529168
_cons	.5758256	.1400311	4.11	0.003	.2590532	.892598
sigma_u	2.4163266					
sigma_e	6.6110667					
rho	.11784546	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,531**
Number of groups = **10**

R-sq:

within = **0.1395**
between = **0.1408**
overall = **0.1109**

Obs per group:

min = **147**
avg = **153.1**
max = **162**

corr(u_i, Xb) = **-0.4254**

F(3,9) = **77.10**
Prob > F = **0.0000**

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

sftphil120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	-.455119	.0360987	-12.61	0.000	-.5367799	-.3734581
sftphil120m L2.	-.0044532	.0078976	-0.56	0.587	-.0223189	.0134125
fx L1.	.0632005	.0231529	2.73	0.023	.010825	.1155761
_cons	-.6711577	.3431049	-1.96	0.082	-1.447315	.1049995
sigma_u	2.1196802					
sigma_e	10.177026					
rho	.04157728	(fraction of variance due to u_i)				

(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/AE/PathAE120m.eps not found)

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> /PathAE120m.eps written in EPS format)

Fixed-effects (within) regression Number of obs = 1,997
Group variable: imf Number of groups = 15

R-sq: Obs per group:

within = 0.0239	min = 69
between = 0.2429	avg = 133.1
overall = 0.0155	max = 162

corr(u_i, Xb) = -0.7778 F(3,14) = 139.11
 Prob > F = 0.0000

(Std. Err. adjusted for 15 clusters in imf)

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.1290751	.04179	3.09	0.008	.0394444	.2187058
sftnom24m L2.	-.0065203	.0033507	-1.95	0.072	-.0137067	.0006662
fx L1.	-.000852	.0000554	-15.38	0.000	-.0009709	-.0007332
_cons	4.273552	1.973288	2.17	0.048	.0412706	8.505833

(Std. Err. adjusted for 15 clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.326845	.0759393	4.30	0.001	.1639714	.4897187
sftrho24m L2.	-.0285673	.0147643	-1.93	0.073	-.0602335	.0030989
fx L1.	-.0020595	.0004709	-4.37	0.001	-.0030695	-.0010495
_cons	10.78405	5.181956	2.08	0.056	-.3301371	21.89824
sigma_u	9.412077					
sigma_e	24.295074					
rho	.13049832	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 1,775
Number of groups = 15

R-sq:

within = 0.1108
between = 0.3741
overall = 0.1078

Obs per group:

min = 69
avg = 118.3
max = 147

corr(u_i, Xb) = -0.2892

F(3,14) = 235.84
Prob > F = 0.0000

(Std. Err. adjusted for 15 clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	-.737816	.0692113	-10.66	0.000	-.8862595	-.5893724
sftphi24m L2.	-.040313	.0207361	-1.94	0.072	-.0847875	.0041615
fx L1.	.0005427	.0009257	0.59	0.567	-.0014428	.0025282
_cons	4.033229	2.459373	1.64	0.123	-1.241602	9.308059
sigma_u	2.8129781					
sigma_e	22.730117					
rho	.01508441	(fraction of variance due to u_i)				

```
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> ath/EM/PathEM24m.eps not found)
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> /PathEM24m.eps written in EPS format)
```

```
Fixed-effects (within) regression      Number of obs   =      1,997
Group variable: imf                   Number of groups =       15
```

```
R-sq:                                Obs per group:
    within = 0.0221                      min =      69
    between = 0.3133                     avg  =    133.1
    overall = 0.0228                     max  =    162
```

```
corr(u_i, Xb) = 0.0309                  F(3,14)         =      7.79
                                      Prob > F          =    0.0027
```

(Std. Err. adjusted for 15 clusters in imf)

sftnom120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.2597272	.090039	2.88	0.012	.0666129	.4528416
sftnom120m L2.	-.000885	.0066623	-0.13	0.896	-.0151741	.0134042
fx L1.	.0000791	.0003747	0.21	0.836	-.0007245	.0008828
_cons	-.0223707	4.935631	-0.00	0.996	-10.60825	10.56351
sigma_u	.83765133					
sigma_e	14.624999					
rho	.00326973	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =      1,866
Group variable: imf                   Number of groups =       15
```

```
R-sq:                                Obs per group:
    within = 0.1430                      min =    102
    between = 0.3926                     avg  =    124.4
    overall = 0.1123                     max  =    162
```

```
corr(u_i, Xb) = -0.5698                  F(3,14)         =    113.61
                                      Prob > F          =    0.0000
```

(Std. Err. adjusted for 15 clusters in imf)

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	1.07696	.0858743	12.54	0.000	.8927779	1.261142
sftsyn120m L2.	-.0004435	.0040352	-0.11	0.914	-.0090982	.0082111
fx L1.	-.0022943	.0004136	-5.55	0.000	-.0031813	-.0014073
_cons	2.02611	2.70397	0.75	0.466	-3.773328	7.825548
sigma_u	5.3257907					
sigma_e	21.917442					
rho	.05575371	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 1,866
Number of groups = 15

R-sq:

within = 0.0400
between = 0.4260
overall = 0.0305

Obs per group:

min = 102
avg = 124.4
max = 162

corr(u_i, Xb) = -0.7204

F(3, 14) = 47.59
Prob > F = 0.0000

(Std. Err. adjusted for 15 clusters in imf)

sftrhol120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.483174	.0816469	5.92	0.000	.3080589	.6582891
sftrhol120m L2.	.0015828	.0063106	0.25	0.806	-.0119521	.0151177
fx L1.	-.0017626	.0003491	-5.05	0.000	-.0025114	-.0010138
_cons	1.156984	1.987124	0.58	0.570	-3.104974	5.418941
sigma_u	3.7740869					
sigma_e	20.091898					
rho	.03408178	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,775**
Number of groups = **15**

R-sq:

within = **0.0815**
between = **0.5973**
overall = **0.0680**

Obs per group:

min = **69**
avg = **118.3**
max = **147**

corr(u_i, Xb) = **-0.6771**

F(3,14) = **83.04**
Prob > F = **0.0000**

(Std. Err. adjusted for **15** clusters in **imf**)

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	-.7784322	.0666002	-11.69	0.000	-.9212755	-.6355889
sftphil20m L2.	.0067938	.0102042	0.67	0.516	-.0150921	.0286797
fx L1.	.0023613	.0003073	7.68	0.000	.0017022	.0030203
_cons	-2.864548	.6854973	-4.18	0.001	-4.334793	-1.394302
sigma_u	4.8054078					
sigma_e	21.883939					
rho	.04600001	(fraction of variance due to u_i)				

(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/EM/PathEM120m.eps not found)
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> /PathEM120m.eps written in EPS format)

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **810**
Number of groups = **10**

R-sq:

within = **0.0414**
between = **0.5507**
overall = **0.0007**

Obs per group:

min = **81**
avg = **81.0**
max = **81**

corr(u_i, Xb) = **-0.7648**

F(3,9) = **15.51**
Prob > F = **0.0007**

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

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.0740278	.0335942	2.20	0.055	-.0019676	.1500231
sftnom24m L2.	-.0091705	.0017372	-5.28	0.001	-.0131002	-.0052407
fx L1.	-.0121088	.003384	-3.58	0.006	-.019764	-.0044536
_cons	.6608453	.1998267	3.31	0.009	.2088059	1.112885
sigma_u	1.4680608					
sigma_e	3.402873					
rho	.15691607	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 810
Number of groups = 10

R-sq:

within = 0.1212
between = 0.5558
overall = 0.1150

Obs per group:

min = 81
avg = 81.0
max = 81

corr(u_i, Xb) = -0.1197

F(3,9) = 165.40
Prob > F = 0.0000

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

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.5747893	.0531841	10.81	0.000	.4544784	.6951002
sftsyn24m L2.	-.0008814	.0024924	-0.35	0.732	-.0065196	.0047568
fx L1.	-.0115598	.0043853	-2.64	0.027	-.0214799	-.0016396
_cons	-.877119	.2622415	-3.34	0.009	-1.470351	-.2838875
sigma_u	.68898878					
sigma_e	6.4660006					
rho	.01122663	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **810**
Number of groups = **10**

R-sq:

within = **0.0099**
between = **0.4391**
overall = **0.0003**

Obs per group:

min = **81**
avg = **81.0**
max = **81**

corr(u_i, Xb) = **-0.7403**

F(3,9) = **15.23**
Prob > F = **0.0007**

(Std. Err. adjusted for **10** clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.0492605	.053593	0.92	0.382	-.0719753	.1704962
sftrho24m L2.	-.0036428	.0013461	-2.71	0.024	-.0066879	-.0005977
fx L1.	-.0189788	.0064575	-2.94	0.017	-.0335867	-.0043709
_cons	-.6129702	.0747218	-8.20	0.000	-.7820027	-.4439378
sigma_u	.92510904					
sigma_e	4.5691777					
rho	.03937875	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **810**
Number of groups = **10**

R-sq:

within = **0.1087**
between = **0.3340**
overall = **0.0826**

Obs per group:

min = **81**
avg = **81.0**
max = **81**

corr(u_i, Xb) = **-0.3698**

F(3,9) = **59.03**
Prob > F = **0.0000**

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

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	-.4843554	.0456194	-10.62	0.000	-.5875536	-.3811571
sftphi24m L2.	.028984	.0141427	2.05	0.071	-.0030091	.0609771
fx L1.	.0092677	.0048108	1.93	0.086	-.0016151	.0201505
_cons	.3586072	.1229988	2.92	0.017	.0803646	.6368499
sigma_u	1.3213037					
sigma_e	6.3217746					
rho	.04185603	(fraction of variance due to u_i)				

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> SAP/AE/LSAPAE24m.eps not found)
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> /LSAPAE24m.eps written in EPS format)
```

Fixed-effects (within) regression	Number of obs	=	810
Group variable: imf	Number of groups	=	10

R-sq:		Obs per group:	
within	= 0.0803	min	= 81
between	= 0.5814	avg	= 81.0
overall	= 0.0494	max	= 81

		F(3,9)	=	13.81
corr(u i, Xb)	= -0.3759	Prob > F	=	0.0010

(Std. Err. adjusted for **10** clusters in imf)

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sftnoml20m0						
lsap	.3140406	.0959998	3.27	0.010	.0968741	.5312072
sftnoml20m						
L2.	-.0065133	.0014249	-4.57	0.001	-.0097366	-.0032899
fx						
L1.	-.0094584	.0065551	-1.44	0.183	-.024287	.0053702
cons	1.037047	.3632075	2.86	0.019	.215414	1.858679

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

sftrhol20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.1427134	.0703279	2.03	0.073	-.0163793	.3018062
sftrhol20m L2.	-.001535	.0028876	-0.53	0.608	-.0080671	.0049971
fx L1.	-.0723118	.0079758	-9.07	0.000	-.0903544	-.0542692
_cons	.4926579	.1329355	3.71	0.005	.1919369	.793379
sigma_u	2.3058467					
sigma_e	5.7067783					
rho	.1403467	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 810
Number of groups = 10

R-sq:

Obs per group:

within = 0.3097
between = 0.0116
overall = 0.2672

min = 81
avg = 81.0
max = 81

corr(u_i, Xb) = -0.3527

F(3,9) = 80.49
Prob > F = 0.0000

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

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	-1.372728	.0975493	-14.07	0.000	-1.5934	-1.152056
sftphil20m L2.	-.0089792	.0147609	-0.61	0.558	-.0423706	.0244122
fx L1.	.0817228	.0274018	2.98	0.015	.0197355	.1437101
_cons	-1.371427	.345896	-3.96	0.003	-2.153898	-.5889556
sigma_u	2.4288632					
sigma_e	8.5969365					
rho	.07392082	(fraction of variance due to u_i)				

```
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/L
> SAP/AE/LSAPAE120m.eps not found)
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> /LSAPAE120m.eps written in EPS format)
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```
Fixed-effects (within) regression      Number of obs      =      1,203
Group variable: imf                   Number of groups   =       15
```

```
R-sq:                                Obs per group:
    within = 0.0065                      min =       69
    between = 0.2325                     avg =      80.2
    overall = 0.0063                      max =       81
```

```
corr(u_i, Xb) = -0.7025                  F(3,14)            =       9.59
                                           Prob > F           =      0.0011
```

(Std. Err. adjusted for 15 clusters in imf)

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.1150242	.0526964	2.18	0.047	.0020016	.2280469
sftnom24m L2.	-.0040986	.0017276	-2.37	0.033	-.0078038	-.0003934
fx L1.	-.0004275	.0001831	-2.34	0.035	-.0008202	-.0000348
_cons	2.842338	.8132518	3.50	0.004	1.098086	4.586589
sigma_u	1.6191368	(fraction of variance due to u_i)				
sigma_e	10.853314					
rho	.02177122					

```
Fixed-effects (within) regression      Number of obs      =      1,215
Group variable: imf                   Number of groups   =       15
```

```
R-sq:                                Obs per group:
    within = 0.0664                      min =       81
    between = 0.4757                     avg =      81.0
    overall = 0.0450                      max =       81
```

```
corr(u_i, Xb) = -0.7084                  F(3,14)            =      69.87
                                           Prob > F           =      0.0000
```

(Std. Err. adjusted for 15 clusters in imf)

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.934857	.1408226	6.64	0.000	.6328225	1.236892
sftsyn24m L2.	-.0092232	.0035547	-2.59	0.021	-.0168472	-.0015992
fx L1.	-.0011335	.0003491	-3.25	0.006	-.0018822	-.0003848
_cons	4.299722	1.268942	3.39	0.004	1.578111	7.021332
sigma_u	4.0095411					
sigma_e	16.423897					
rho	.0562465	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 1,215
Number of groups = 15

R-sq:

within = 0.0265
between = 0.4637
overall = 0.0147

Obs per group:

min = 81
avg = 81.0
max = 81

corr(u_i, Xb) = -0.8748

F(3,14) = 46.82
Prob > F = 0.0000

(Std. Err. adjusted for 15 clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.4030927	.1411617	2.86	0.013	.100331	.7058544
sftrho24m L2.	-.008458	.0033363	-2.54	0.024	-.0156136	-.0013025
fx L1.	-.0013	.0002754	-4.72	0.000	-.0018906	-.0007094
_cons	3.632999	.9709924	3.74	0.002	1.550428	5.715571
sigma_u	4.2819438					
sigma_e	14.762761					
rho	.07760071	(fraction of variance due to u_i)				


```

Fixed-effects (within) regression               Number of obs   =       1,203
Group variable: imf                           Number of groups =        15

R-sq:                                         Obs per group:
    within = 0.0377                          min =           69
    between = 0.0215                         avg =          80.2
    overall = 0.0218                        max =           81

corr(u_i, Xb) = -0.6360                      F(3,14)         =       40.94
                                           Prob > F        =       0.0000

```

(Std. Err. adjusted for 15 clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	-.7843402	.1452295	-5.40	0.000	-1.095826	-.472854
sftphi24m L2.	.0030579	.0058713	0.52	0.611	-.0095348	.0156506
fx L1.	.0011062	.0002467	4.48	0.001	.0005771	.0016352
_cons	-.1887073	.6206278	-0.30	0.766	-1.519822	1.142407
sigma_u	3.2598531					
sigma_e	16.678965					
rho	.036794	(fraction of variance due to u_i)				

```

(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/L
> SAP/EM/LSAPEM24m.eps not found)
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> /LSAPEM24m.eps written in EPS format)

```

```

Fixed-effects (within) regression               Number of obs   =       1,203
Group variable: imf                           Number of groups =        15

R-sq:                                         Obs per group:
    within = 0.0132                          min =           69
    between = 0.0338                         avg =          80.2
    overall = 0.0049                        max =           81

corr(u_i, Xb) = -0.7950                      F(3,14)         =       6.67
                                           Prob > F        =       0.0050

```

(Std. Err. adjusted for 15 clusters in imf)

sftnom120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.2414543	.1196201	2.02	0.063	-.0151053	.4980138
sftnom120m L2.	-.0049127	.0033821	-1.45	0.168	-.0121666	.0023412
fx L1.	-.0005283	.000194	-2.72	0.016	-.0009444	-.0001123
_cons	3.599607	2.142206	1.68	0.115	-.994969	8.194183
sigma_u	2.1715061					
sigma_e	10.951989					
rho	.03782594	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: imf

Number of obs = 1,215
Number of groups = 15

R-sq:

Obs per group:

within = 0.1650
between = 0.3770
overall = 0.1564

min = 81
avg = 81.0
max = 81

corr(u_i, Xb) = -0.3157

F(3,14) = 53.82
Prob > F = 0.0000

(Std. Err. adjusted for 15 clusters in imf)

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	2.003471	.2318596	8.64	0.000	1.506182	2.500761
sftsyn120m L2.	.0081084	.0095574	0.85	0.410	-.0123903	.028607
fx L1.	-.0011115	.000579	-1.92	0.076	-.0023534	.0001303
_cons	-2.598277	5.017319	-0.52	0.613	-13.35936	8.162802
sigma_u	2.801354					
sigma_e	19.066618					
rho	.02113068	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,215**
Number of groups = **15**

R-sq:

within = **0.0157**
between = **0.3870**
overall = **0.0161**

Obs per group:

min = **81**
avg = **81.0**
max = **81**

corr(u_i, Xb) = **-0.6438**

F(3,14) = **3.33**
Prob > F = **0.0506**

(Std. Err. adjusted for **15** clusters in imf)

sftrhol20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.4740905	.2405443	1.97	0.069	-.0418258	.9900067
sftrhol20m L2.	.0064418	.0129187	0.50	0.626	-.021266	.0341496
fx L1.	-.0010145	.0005637	-1.80	0.094	-.0022236	.0001946
_cons	-.1245131	3.306474	-0.04	0.970	-7.216195	6.967168
sigma_u	2.4559492					
sigma_e	17.095884					
rho	.02022014	(fraction of variance due to u_i)				

Fixed-effects (within) regression
Group variable: **imf**

Number of obs = **1,203**
Number of groups = **15**

R-sq:

within = **0.1315**
between = **0.1933**
overall = **0.1285**

Obs per group:

min = **69**
avg = **80.2**
max = **81**

corr(u_i, Xb) = **-0.1597**

F(3,14) = **22.88**
Prob > F = **0.0000**

(Std. Err. adjusted for 15 clusters in imf)

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	-1.693655	.2121239	-7.98	0.000	-2.148616	-1.238695
sftphil20m L2.	.0180947	.0211378	0.86	0.406	-.0272414	.0634308
fx L1.	.0006374	.0003853	1.65	0.120	-.0001889	.0014638
_cons	-3.169909	2.079678	-1.52	0.150	-7.630374	1.290557
sigma_u	2.1765758					
sigma_e	18.437334					
rho	.01374487	(fraction of variance due to u_i)				

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> SAP/EM/LSAPEM120m.eps not found)

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> /LSAPEM120m.eps written in EPS format)

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