

---

```
name: <unnamed>
log: /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/impac
> t_regs.smcl
log type: smcl
opened on: 26 Jul 2020, 22:26:11
```

```
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 1 { // 0 1 {
20 .        if `group' == 0 {
21 .            local grp "AE"
22 .            local vars sftnom sftsyn sftrho sftphi // nom syn
23 .            dyp dtp sftdyp sftdtp
24 .            local region regionae
25 .        }
26 .        else {
27 .            local grp "EM"
28 .            local vars sftnom sftsyn sftrho sftphi // nom dyp
29 .            dtp usyc syn rho phi
30 .            local region regionem
31 .        }
32 .    }
33 . }
```

```

6 .               foreach t in 24 120 { // 3 6 12 24 60 120 {
27 .               foreach v in `vars' {
28 .
7 .               // variables to store the betas, standard er
> rors and confidence intervals
8 .               capture {
29 .                 gen b_`v'`t'm = .
30 .                 gen se_`v'`t'm = .
31 .                 gen ll1_`v'`t'm = .
32 .                 gen ul1_`v'`t'm = .
33 .                 gen ll2_`v'`t'm = .
34 .                 gen ul2_`v'`t'm = .
35 .                 }
36 .
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
37 .
11 .               forvalues i = 0/`horizon' {
38 .                 // response variables
12 .                 capture gen `v'`t'm`i' = (f`i'.`v'`t
> 'm - 1.`v'`t'm)
39 .
13 .                 // conditions
14 .                 local condition em == `group' & `dat
> econd' & `region' == 4 // & region == 3
40 .
15 . //               // test for cross-sectional independ
> ence
16 . //               if inlist(`i',0) {
17 . //                 quiet xtreg `v'`t'm`i' `shoc
> k' `ctrl`v'`t'm' if `condition' & fomc, fe
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
41 . //               if `i' == 0 xtscd `v'`t'm`i' `sho
> ck' `ctrl`v'`t'm' if `condition', fe level(95) lag(3)

```

```

23 .                                quiet xtreg `v'`t'm`i' `shock' `ctrl
> `v'`t'm' if `condition', fe level(95) cluster($id)
    42. //                                quiet xtsccl `v'`t'm`i' `shock' `c
> trl`v'`t'm' if `condition', fe level(95) lag(3)
24 .                                capture {
    43.                                replace b_`v'`t'm = _b[`shock']
> if _n == `i'+1
    44.                                replace se_`v'`t'm = _se[`shock']
> if _n == `i'+1
    45.
25 .                                // confidence intervals
26 .                                matrix R = r(table)
    46.                                replace ll1_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"ll"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
    47.                                replace ul1_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
    48.                                quiet xtreg, level(90) // to get
> 90% CI
    49. //                                quiet xtsccl, level(90) // to get
> 90% CI
27 .                                matrix R = r(table)
    50.                                replace ll2_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"ll"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
    51.                                replace ul2_`v'`t'm = el(matrix(R
> ),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n == `i'+1
    52.
28 .                                drop `v'`t'm`i'
    53.                                }
    54.                                } // horizon
    55.
29 .                                // graph
30 .                                twoway (rarea ll1_`v'`t'm ul1_`v'`t'm days,
> fcolor(gs12) lcolor(white) lpattern(solid)) ///
> (rarea ll2_`v'`t'm ul2_`v'`t'm days, fcolor(gs10) lcolor(white) lpattern(solid)) ///
> (line b_`v'`t'm days, lcolor(black) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(black)) ///
> title(`: variable label `v'`t'm', color(black) size(medium)) ///
> ytitle("Basis Points", size(medsmall)) xtitle("Days", size(medsmall)) xlabel(0 15 30 45 60 75 90) ///
> graphregion(color(white)) plotregion(color(white))
> legend(off) name(`v'`t'm, replace)
    56. //                                graph export $pathfigs/`shk'/'grp'/'v'`t'
> m.eps, replace

```

```

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

```

```

Fixed-effects (within) regression      Number of obs   =      5,230
Group variable: imf                    Number of groups =        3

```

```

R-sq:                                Obs per group:
    within = 0.0045                    min =      940
    between = 0.9900                    avg  =    1,743.3
    overall  = 0.0008                    max  =     2,249

```

```

corr(u_i, Xb) = -0.8806                F(2,2) = .
                                         Prob > F = .

```

(Std. Err. adjusted for 3 clusters in imf)

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.1919416	.1126553	1.70	0.231	-.2927751	.6766583
sftnom24m L2.	-.0023257	.0005588	-4.16	0.053	-.0047301	.0000786
fx L1.	-.0023165	.0000686	-33.74	0.001	-.0026119	-.0020211
_cons	2.409419	.3495616	6.89	0.020	.9053766	3.913461
sigma_u	1.3420331					
sigma_e	7.8167524					
rho	.02863238	(fraction of variance due to u_i)				

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

Number of obs = **4,152**  
Number of groups = **3**

R-sq:

within = **0.0144**  
between = **0.4030**  
overall = **0.0122**

Obs per group:

min = **599**  
avg = **1,384.0**  
max = **1,830**

corr(u\_i, Xb) = **-0.3141**

F(2,2) = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	<b>1.0324</b>	<b>.1347131</b>	<b>7.66</b>	<b>0.017</b>	<b>.452776</b>	<b>1.612023</b>
sftsyn24m L2.	<b>-.0023904</b>	<b>.0007768</b>	<b>-3.08</b>	<b>0.091</b>	<b>-.0057328</b>	<b>.0009519</b>
fx L1.	<b>-.0000883</b>	<b>.0000978</b>	<b>-0.90</b>	<b>0.462</b>	<b>-.000509</b>	<b>.0003324</b>
_cons	<b>1.253824</b>	<b>.5126836</b>	<b>2.45</b>	<b>0.134</b>	<b>-.9520755</b>	<b>3.459724</b>
sigma_u	<b>.94373124</b>					
sigma_e	<b>14.909288</b>					
rho	<b>.00399067</b>	(fraction of variance due to u_i)				

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

Number of obs = **4,155**  
Number of groups = **3**

R-sq:

within = **0.0061**  
between = **0.9423**  
overall = **0.0012**

Obs per group:

min = **600**  
avg = **1,385.0**  
max = **1,831**

corr(u\_i, Xb) = **-0.8511**

F(2,2) = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.504893	.1251472	4.03	0.056	-.033572	1.043358
sftrho24m L2.	-.0024092	.0013838	-1.74	0.224	-.0083634	.003545
fx L1.	.0018557	.0007981	2.33	0.146	-.0015784	.0052898
_cons	-.1606015	.043616	-3.68	0.066	-.3482659	.0270629
sigma_u	1.7991119					
sigma_e	12.239263					
rho	.02115055	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: imf

Number of obs = 4,152  
Number of groups = 3

R-sq:

within = 0.0091  
between = 0.5172  
overall = 0.0026

Obs per group:

min = 599  
avg = 1,384.0  
max = 1,830

corr(u\_i, Xb) = -0.8139

F(2,2) = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	-.7382031	.0723814	-10.20	0.009	-1.049635	-.4267709
sftphi24m L2.	-.005096	.0017268	-2.95	0.098	-.0125257	.0023338
fx L1.	-.0029313	.0001766	-16.60	0.004	-.0036909	-.0021716
_cons	1.663045	.0204337	81.39	0.000	1.575126	1.750964
sigma_u	2.2393722					
sigma_e	14.084953					
rho	.02465472	(fraction of variance due to u_i)				

```
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> arget/EM/TargetEM24m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Target/
> EM/TargetEM24m.eps written in EPS format)
```

```
Fixed-effects (within) regression      Number of obs   =      5,230
Group variable: imf                   Number of groups =         3
```

```
R-sq:                                Obs per group:
    within = 0.0018                      min =      940
    between = 0.0716                     avg =    1,743.3
    overall = 0.0010                     max =    2,249
```

```
corr(u_i, Xb) = -0.6888                F(2,2) = .
                                           Prob > F = .
```

(Std. Err. adjusted for 3 clusters in imf)

sftnom120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.0530623	.1425941	0.37	0.746	-.5604706	.6665952
sftnom120m L2.	-.0024701	.0010448	-2.36	0.142	-.0069655	.0020252
fx L1.	-.0010236	.0004377	-2.34	0.144	-.002907	.0008598
_cons	2.076023	.5936846	3.50	0.073	-.4783958	4.630442
sigma_u	.56129706	(fraction of variance due to u_i)				
sigma_e	9.3240708					
rho	.0036108					

```
Fixed-effects (within) regression      Number of obs   =      4,152
Group variable: imf                   Number of groups =         3
```

```
R-sq:                                Obs per group:
    within = 0.0094                      min =      599
    between = 0.0219                     avg =    1,384.0
    overall = 0.0032                     max =    1,830
```

```
corr(u_i, Xb) = -0.8072                F(2,2) = .
                                           Prob > F = .
```

(Std. Err. adjusted for 3 clusters in imf)

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.7438678	.2656025	2.80	0.107	-.3989276	1.886663
sftsyn120m L2.	-.0053037	.0032256	-1.64	0.242	-.0191822	.0085747
fx L1.	.0015164	.0008032	1.89	0.200	-.0019396	.0049725
_cons	2.705239	1.79948	1.50	0.272	-5.037301	10.44778
sigma_u	2.0730711					
sigma_e	14.264965					
rho	.02068285	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: imf

Number of obs = 4,155  
Number of groups = 3

R-sq:

within = 0.0094  
between = 0.1257  
overall = 0.0011

Obs per group:

min = 600  
avg = 1,385.0  
max = 1,831

corr(u\_i, Xb) = -0.9360

F(2,2) = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftrhol120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	.5718716	.2641376	2.17	0.163	-.5646209	1.708364
sftrhol120m L2.	-.0066487	.0038961	-1.71	0.230	-.0234122	.0101147
fx L1.	.0034408	.0010084	3.41	0.076	-.000898	.0077797
_cons	-.1358994	.3802213	-0.36	0.755	-1.77186	1.500061
sigma_u	3.4350452					
sigma_e	12.151663					
rho	.0739957	(fraction of variance due to u_i)				



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

Number of obs = **4,152**  
Number of groups = **3**

R-sq:

within = **0.0109**  
between = **0.0221**  
overall = **0.0018**

Obs per group:

min = **599**  
avg = **1,384.0**  
max = **1,830**

corr(u\_i, Xb) = **-0.9045**

$F(2,2)$  = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
mp1	<b>-.643053</b>	<b>.2595435</b>	<b>-2.48</b>	<b>0.132</b>	<b>-1.759778</b>	<b>.4736725</b>
sftphil20m L2.	<b>-.021765</b>	<b>.0067517</b>	<b>-3.22</b>	<b>0.084</b>	<b>-.050815</b>	<b>.0072851</b>
fx L1.	<b>-.0044813</b>	<b>.0004552</b>	<b>-9.84</b>	<b>0.010</b>	<b>-.0064399</b>	<b>-.0025227</b>
_cons	<b>2.78336</b>	<b>.4368341</b>	<b>6.37</b>	<b>0.024</b>	<b>.9038148</b>	<b>4.662906</b>
sigma_u	<b>3.5476616</b>					
sigma_e	<b>14.232449</b>					
rho	<b>.05849868</b>	(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)  
(file /Users/Pavel/Documents/GitHub/Book/Ch\_Synthetic/Docs/Figures/LPs/Target/  
> EM/TargetEM120m.eps written in EPS format)

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

Number of obs = **12,793**  
Number of groups = **3**

R-sq:

within = **0.0030**  
between = **0.0422**  
overall = **0.0006**

Obs per group:

min = **3,461**  
avg = **4,264.3**  
max = **4,770**

corr(u\_i, Xb) = **-0.8919**

$F(2,2)$  = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.2086391	.108173	1.93	0.194	-.2567916	.6740699
sftnom24m L2.	-.0011846	.0003815	-3.11	0.090	-.0028261	.0004569
fx L1.	-.0015905	.0000759	-20.96	0.002	-.0019169	-.0012641
_cons	1.114072	.1713537	6.50	0.023	.3767966	1.851348
sigma_u	.9822577					
sigma_e	7.2391524					
rho	.01807808	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: imf

Number of obs = 11,715  
Number of groups = 3

R-sq:

within = 0.0148  
between = 0.1626  
overall = 0.0091

Obs per group:

min = 3,120  
avg = 3,905.0  
max = 4,351

corr(u\_i, Xb) = -0.6077

F(2,2) = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.8126469	.1403313	5.79	0.029	.20885	1.416444
sftsyn24m L2.	-.0018378	.000355	-5.18	0.035	-.0033651	-.0003105
fx L1.	.0012139	.0002563	4.74	0.042	.0001112	.0023166
_cons	.1350895	.2430817	0.56	0.634	-.9108067	1.180986
sigma_u	1.2171994					
sigma_e	10.812078					
rho	.01251513	(fraction of variance due to u_i)				

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

Number of obs = 11,718  
Number of groups = 3

R-sq:

within = 0.0037  
between = 0.3777  
overall = 0.0003

Obs per group:

min = 3,121  
avg = 3,906.0  
max = 4,352

corr(u\_i, Xb) = -0.9351

$F(2,2)$  = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.299854	.1241477	2.42	0.137	-.2343104	.8340184
sftrho24m L2.	-.0019056	.0006986	-2.73	0.112	-.0049114	.0011001
fx L1.	.0020719	.0000781	26.53	0.001	.0017358	.0024079
_cons	-.4711507	.1289296	-3.65	0.067	-1.02589	.0835884
sigma_u	1.7369906					
sigma_e	9.0576003					
rho	.03547183	(fraction of variance due to u_i)				

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

Number of obs = 11,715  
Number of groups = 3

R-sq:

within = 0.0081  
between = 0.3421  
overall = 0.0025

Obs per group:

min = 3,120  
avg = 3,905.0  
max = 4,351

corr(u\_i, Xb) = -0.8283

$F(2,2)$  = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	-.5750796	.0895302	-6.42	0.023	-.9602969	-.1898624
sftphi24m L2.	-.0051605	.0017195	-3.00	0.095	-.0125591	.0022381
fx L1.	-.0022305	.000495	-4.51	0.046	-.0043603	-.0001007
_cons	1.274171	.077941	16.35	0.004	.9388184	1.609525
sigma_u	1.7575927					
sigma_e	10.986571					
rho	.02495384	(fraction of variance due to u_i)				

```
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/EM/PathEM24m.eps not found)
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(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Path/EM
> /PathEM24m.eps written in EPS format)
```

```
Fixed-effects (within) regression      Number of obs   =    12,793
Group variable: imf                   Number of groups =      3
```

R-sq:		Obs per group:	
within	= 0.0016	min	= 3,461
between	= 0.7050	avg	= 4,264.3
overall	= 0.0008	max	= 4,770

corr(u i, Xb)	= -0.6853	F(2,2)	=	.
		Prob > F	=	.

(Std. Err. adjusted for 3 clusters in imf)

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
sftnoml20m0						
path	.1446943	.1149018	1.26	0.335	-.3496883	.6390769
sftnoml20m						
L2.	-.0016574	.0004616	-3.59	0.070	-.0036437	.0003289
fx						
L1.	-.0005015	.0002104	-2.38	0.140	-.0014067	.0004037
cons	1.090659	.1942354	5.62	0.030	.2549316	1.926386

sigma_u	.44396871	
sigma_e	8.6274502	
rho	.00264114	(fraction of variance due to u_i)

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.841612	.1238138	6.80	0.021	.308884	1.37434
sftsyn120m L2.	-.0023039	.0005635	-4.09	0.055	-.0047283	.0001205
fx L1.	.0009796	.0001254	7.81	0.016	.00044	.0015193
_cons	.6934713	.3405156	2.04	0.179	-.7716489	2.158592
sigma_u	1.219431					
sigma_e	12.208009					
rho	.009879	(fraction of variance due to u_i)				

(Std. Err. adjusted for 3 clusters in imf)

sftrhol20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	.3015351	.0758043	3.98	0.058	-.0246245	.6276947
sftrhol20m L2.	-.0045443	.0018888	-2.41	0.138	-.0126712	.0035826
fx L1.	.0015049	.0000776	19.39	0.003	.001171	.0018388
_cons	.1881994	.3447441	0.55	0.640	-1.295115	1.671513
sigma_u	2.1143048					
sigma_e	9.9115499					
rho	.04352374	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: imf

Number of obs = 11,715  
Number of groups = 3

R-sq:

within = 0.0088  
between = 0.0007  
overall = 0.0057

Obs per group:

min = 3,120  
avg = 3,905.0  
max = 4,351

corr(u\_i, Xb) = -0.5945

F(2,2) = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
path	-.6586317	.2074155	-3.18	0.086	-1.551069	.2338052
sftphil20m L2.	-.0108973	.002994	-3.64	0.068	-.0237796	.001985
fx L1.	-.0009188	.0003282	-2.80	0.107	-.0023309	.0004933
_cons	1.027604	.0479879	21.41	0.002	.8211287	1.234079
sigma_u	1.043519					
sigma_e	12.784724					
rho	.00661811	(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      Number of obs   =      7,563
Group variable: imf                   Number of groups =        3
```

```
R-sq:                                Obs per group:
    within = 0.0010                      min =      2,521
    between = 0.7410                     avg =     2,521.0
    overall = 0.0000                      max =      2,521
```

```
corr(u_i, Xb) = -0.9768                F(2,2)          =      .
                                           Prob > F         =      .
```

(Std. Err. adjusted for 3 clusters in imf)

sftnom24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.1891984	.0149659	12.64	0.006	.1248055	.2535914
sftnom24m L2.	-.0017006	.0007343	-2.32	0.147	-.0048599	.0014588
fx L1.	.0015267	.0002515	6.07	0.026	.0004447	.0026087
_cons	-.0169463	.1717547	-0.10	0.930	-.7559473	.7220546
sigma_u	1.2528949					
sigma_e	6.8158506					
rho	.03268563	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =      7,563
Group variable: imf                   Number of groups =        3
```

```
R-sq:                                Obs per group:
    within = 0.0074                      min =      2,521
    between = 0.1928                     avg =     2,521.0
    overall = 0.0007                      max =      2,521
```

```
corr(u_i, Xb) = -0.9560                F(2,2)          =      .
                                           Prob > F         =      .
```

(Std. Err. adjusted for 3 clusters in imf)

sftsyn24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.8042882	.1649644	4.88	0.040	.0945037	1.514073
sftsyn24m L2.	-.0028252	.0011642	-2.43	0.136	-.0078342	.0021837
fx L1.	.0032398	.0007788	4.16	0.053	-.0001109	.0065906
_cons	-.4258445	.6212557	-0.69	0.564	-3.098892	2.247203
sigma_u	2.6390855					
sigma_e	7.7222969					
rho	.1045783	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: imf

Number of obs = 7,563  
Number of groups = 3

R-sq:

within = 0.0018  
between = 0.3563  
overall = 0.0001

Obs per group:

min = 2,521  
avg = 2,521.0  
max = 2,521

corr(u\_i, Xb) = -0.9900

F(2,2) = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftrho24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	.2632778	.1681982	1.57	0.258	-.4604208	.9869764
sftrho24m L2.	-.0011398	.0008457	-1.35	0.310	-.0047787	.0024991
fx L1.	.0034306	.0004837	7.09	0.019	.0013494	.0055118
_cons	-1.15792	.350413	-3.30	0.081	-2.665625	.3497859
sigma_u	2.3972603					
sigma_e	6.6919909					
rho	.11373248	(fraction of variance due to u_i)				



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

Number of obs = **7,563**  
Number of groups = **3**

R-sq:

within = **0.0045**  
between = **0.9289**  
overall = **0.0014**

Obs per group:

min = **2,521**  
avg = **2,521.0**  
max = **2,521**

corr(u\_i, Xb) = **-0.7937**

$F(2,2)$  = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftphi24m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	<b>-.6163574</b>	<b>.1573139</b>	<b>-3.92</b>	<b>0.059</b>	<b>-1.293225</b>	<b>.0605097</b>
sftphi24m L2.	<b>-.0072875</b>	<b>.000602</b>	<b>-12.11</b>	<b>0.007</b>	<b>-.0098777</b>	<b>-.0046974</b>
fx L1.	<b>.0020723</b>	<b>.000251</b>	<b>8.26</b>	<b>0.014</b>	<b>.0009923</b>	<b>.0031522</b>
_cons	<b>-.2754652</b>	<b>.0505055</b>	<b>-5.45</b>	<b>0.032</b>	<b>-.4927729</b>	<b>-.0581575</b>
sigma_u	<b>.99394676</b>					
sigma_e	<b>8.851717</b>					
rho	<b>.01245173</b>	(fraction of variance due to u_i)				

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> SAP/EM/LSAPEM24m.eps not found)  
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> /LSAPEM24m.eps written in EPS format)

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

Number of obs = **7,563**  
Number of groups = **3**

R-sq:

within = **0.0008**  
between = **0.3840**  
overall = **0.0000**

Obs per group:

min = **2,521**  
avg = **2,521.0**  
max = **2,521**

corr(u\_i, Xb) = **-0.9899**

$F(2,2)$  = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftnom120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	-.0386899	.1905302	-0.20	0.858	-.8584751	.7810952
sftnom120m L2.	-.0020925	.0011099	-1.89	0.200	-.0068681	.0026832
fx L1.	.0025696	.0006786	3.79	0.063	-.00035	.0054892
_cons	.0320797	.3038997	0.11	0.926	-1.275495	1.339654
sigma_u	2.1182657					
sigma_e	8.1161843					
rho	.06377319	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: imf

Number of obs = 7,563  
Number of groups = 3

R-sq:

within = 0.0163  
between = 0.4711  
overall = 0.0044

Obs per group:

min = 2,521  
avg = 2,521.0  
max = 2,521

corr(u\_i, Xb) = -0.8393

F(2,2) = .  
Prob > F = .

(Std. Err. adjusted for 3 clusters in imf)

sftsyn120m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	1.8302	.1777577	10.30	0.009	1.06537	2.595029
sftsyn120m L2.	-.0029709	.0014493	-2.05	0.177	-.0092067	.003265
fx L1.	.0030104	.0001237	24.34	0.002	.0024783	.0035425
_cons	.1125628	.5930749	0.19	0.867	-2.439233	2.664358
sigma_u	2.7065881					
sigma_e	10.917182					
rho	.05790523	(fraction of variance due to u_i)				

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

Number of obs = **7,563**  
Number of groups = **3**

R-sq:

within = **0.0027**  
between = **0.9999**  
overall = **0.0001**

Obs per group:

min = **2,521**  
avg = **2,521.0**  
max = **2,521**

corr(u\_i, Xb) = **-0.9355**

F(2,2) = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftrhol20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	<b>.2935159</b>	<b>.179676</b>	<b>1.63</b>	<b>0.244</b>	<b>-.4795674</b>	<b>1.066599</b>
sftrhol20m L2.	<b>-.0047498</b>	<b>.0026448</b>	<b>-1.80</b>	<b>0.214</b>	<b>-.0161296</b>	<b>.0066299</b>
fx L1.	<b>-.0004812</b>	<b>.0005061</b>	<b>-0.95</b>	<b>0.442</b>	<b>-.0026586</b>	<b>.0016963</b>
_cons	<b>.9458458</b>	<b>.6245403</b>	<b>1.51</b>	<b>0.269</b>	<b>-1.741334</b>	<b>3.633026</b>
sigma_u	<b>1.4958309</b>					
sigma_e	<b>8.417894</b>					
rho	<b>.03060954</b>	(fraction of variance due to u_i)				

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

Number of obs = **7,563**  
Number of groups = **3**

R-sq:

within = **0.0155**  
between = **0.0402**  
overall = **0.0071**

Obs per group:

min = **2,521**  
avg = **2,521.0**  
max = **2,521**

corr(u\_i, Xb) = **-0.7342**

F(2,2) = **.**  
Prob > F = **.**

(Std. Err. adjusted for 3 clusters in imf)

sftphil20m0	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
lsap	-1.873495	.3570629	-5.25	0.034	-3.409813	-.3371776
sftphil20m L2.	-.0109521	.0040834	-2.68	0.115	-.0285216	.0066174
fx L1.	.0037332	.0019733	1.89	0.199	-.0047572	.0122236
_cons	-.6556522	.4598986	-1.43	0.290	-2.634436	1.323132
sigma_u	1.9791284					
sigma_e	11.870882					
rho	.02704426	(fraction of variance due to u_i)				

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> SAP/EM/LSAPEM120m.eps not found)

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> t\_regs.smcl

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