
```

        name: <unnamed>
        log: /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/impac
> t_regs.smcl
    log type: smcl
    opened on: 6 Feb 2021, 18:19:32

1 . // do "$pathcode/spov_pre"
2 . do "$pathcode/spov_combined_group"

3 . * =====
> ====
4 . * Local projections: AE and EM
5 . * =====
> ====
6 . use $file_dta2, clear

7 .
8 .
9 . * Define local variables
10 . local xtcmd xtscc                // xtreg

11 . local xtopt fe level(90)        // fe level(90) cluster($id)

12 . local maxlag = 1

13 .
14 . foreach group in 0 1 {
    2.         if `group' == 0 {
    3.             local grp "AE"
    4.             local vars nom dyp dtp // nom usyc rho phi        // nom s
> yn rho phi
    5.             local region regionae
    6.         }
    7.         else {
    8.             local grp "EM"
    9.             local vars nom dyp dtp phi // nom usyc rho phi    // n
> om syn rho phi
    10.            local region regionem
    11.        }
    12.

```

```

15 .      foreach t in 24 120 {
16 .          // regressions
17 .          foreach v in `vars' {
18 .              // variables to store the betas and confidence inter
19 .              > vals
20 .              capture {
21 .                  foreach shock in mp1 path lsap {
22 .                      gen b_`shock'`_v'`t'm' = .
23 .                      gen ll1_`shock'`_v'`t'm' = .
24 .                      gen ull_`shock'`_v'`t'm' = .
25 .                  } // `shock'
26 .              }
27 .
28 .              // controls
29 .              local ctrl`v'`t'm' l(1/`maxlag').d`v'`t'm' l(1/`maxlag
30 .              > ').fx
31 .              22.
32 .              forvalues h = 0/$horizon {
33 .                  // response variables
34 .                  capture gen `v'`t'm'h' = (f`h'.`v'`t'm' - 1.`
35 .                  > v'`t'm')
36 .                  24.
37 .                  // conditions
38 .                  local condition em == `group' // & `region
39 .                  > ' == 4
40 .                  25.
41 .                  // one regression for each horizon
42 .                  if `h' == 0 {
43 .                      26.          `xtcmd' `v'`t'm'h' mp1 path lsap
44 .                      > `ctrl`v'`t'm' if `condition', `xtopt' // on-impact effect
45 .                      27.          foreach shock in mp1 path lsap {
46 .                      28.              local pvalue = (2 * ttail
47 .                      > (e(df_r),abs(_b[`shock']/_se[`shock'])))
48 .                      29.              if `pvalue' < 0.1 local `
49 .                      > shock'`v' = -1*_b[`shock']
50 .                      30.              else local `shock'`v' = 0
51 .                      31.              }
52 .                      32.          }
53 .                      33.          quiet `xtcmd' `v'`t'm'h' mp1 path lsap `c
54 .                      > trl`v'`t'm' if `condition', `xtopt'
55 .                      34.

```

```

27 .               capture {
35.                 foreach shock in mp1 path lsap {
36.                   replace b_`shock'__v'`t'm = -1*_
> b[`shock'] if _n == `h'+1
37.
28 .               // confidence intervals
29 .               matrix R = r(table)
38.                 replace l1l_`shock'__v'`t'm = -1*
> el(matrix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n ==
> `h'+1
39.                 replace u1l_`shock'__v'`t'm = -1*
> el(matrix(R),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n ==
> `h'+1
40.                 } // `shock'
41.                 drop `v'`t'm`h'
42.                 }
43.             } // `h' horizon
44.         } // `v' yield component
45.
30 .             // graphs
31 .             local j = 0
46.                 foreach shock in mp1 path lsap {
47.                     local ++j
48.                     if `j' == 1 local shk "Target"
49.                     if `j' == 2 local shk "Path"
50.                     if `j' == 3 local shk "LSAP"
51.
32 .                 local k = 0
52.                     foreach v in `vars' {
53.                         local ++k
54.                         if `k' == 1 local yxtitles ytitle("Basis
> Points", size(medsmall)) xtitle("Days", size(medsmall))
55.                         else local yxtitles xtitle("Days", size(m
> edsmall))
56.                         twoway (line l1l_`shock'__v'`t'm days, l
> color(gs6) lpattern(dash)) ///
>                                     (line u1l_`shock'__v'`t'm da
> ys, lcolor(gs6) lpattern(dash)) ///
>                                     (line b_`shock'__v'`t'm days
> , lcolor(blue*1.25) lpattern(solid) lwidth(thick)) ///
>                                     (line zero days, lcolor(blac
> k)), ///
>                                     `yxtitles' xlabel(0(15)$horizon, nogrid) yla
> bel("`shock'`v'" "{bf:{&rArr}}", add custom labcolor(red) tlcolor(red) nogri
> d) ///
>                                     graphregion(color(white)) plotregion(color(w
> hite)) legend(off) name(`v'`t'm, replace) ///
>                                     title(`: variable label `v'`t'm', color(blac
> k) size(medium))

```

```

57.
33 . //                                graph export $pathfigs/LPs/\`shk'\`grp'\`v'\`t
> 'm.eps, replace
34 .                                local graphs`shock'\`grp'\`t' `graphs`shock'\`g
> rp'\`t'\`v'\`t'm
58.                                drop *`shock'\`v'\`t'm
> // b_ and confidence intervals
59.                                } // `v' yield component
60.
35 .                                graph combine `graphs`shock'\`grp'\`t'', rows(1) ycomm
> on
61.                                graph export $pathfigs/LPs/\`shk'\`grp'\`shk'\`grp'
> nomytpphi`t'm.eps, replace
62.                                graph drop _all
63.                                } // `shock'
64.                                } // `t' tenor
65. } // `group' AE or EM

```

Regression with Driscoll-Kraay standard errors	Number of obs	=	47710
Method: Fixed-effects regression	Number of groups	=	10
Group variable (i): imf	F(5, 4770)	=	16.68
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0132

nom24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.1580298	.0492849	3.21	0.001	.0769475	.239112
path	.1837606	.0334557	5.49	0.000	.1287202	.2388011
lsap	.1369948	.0768349	1.78	0.075	.0105881	.2634015
dnom24m						
L1.	.0658042	.0098207	6.70	0.000	.0496474	.0819611
fx						
L1.	.0018864	.0016253	1.16	0.246	-.0007875	.0045603
_cons	-.1047877	.0459468	-2.28	0.023	-.1803782	-.0291972

Regression with Driscoll-Kraay standard errors	Number of obs	=	47710
Method: Fixed-effects regression	Number of groups	=	10
Group variable (i): imf	F(5, 4770)	=	25.18
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0156

dyp24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.1600042	.0378337	4.23	0.000	.0977613	.2222472
path	.1313031	.0269867	4.87	0.000	.0869052	.1757009
lsap	.016972	.0450347	0.38	0.706	-.0571179	.091062
ddyp24m						
L1.	.0878764	.010438	8.42	0.000	.0707041	.1050487
fx						
L1.	.0010362	.0012982	0.80	0.425	-.0010996	.003172
_cons	-.074636	.0364784	-2.05	0.041	-.1346493	-.0146227

Regression with Driscoll-Kraay standard errors	Number of obs	=	47710
Method: Fixed-effects regression	Number of groups	=	10
Group variable (i): imf	F(5, 4770)	=	11.01
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0075

dtp24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.0027551	.0126793	0.22	0.828	-.0181045	.0236147
path	.0564518	.0099634	5.67	0.000	.0400603	.0728433
lsap	.1054811	.0312394	3.38	0.001	.054087	.1568753
ddtp24m						
L1.	.0325981	.0113088	2.88	0.004	.013993	.0512031
fx						
L1.	.0006732	.0006258	1.08	0.282	-.0003563	.0017027
_cons	-.0254453	.0148943	-1.71	0.088	-.0499489	-.0009416

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> ath/AE/PathAEnomytpphi24m.eps not found)
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```
Regression with Driscoll-Kraay standard errors    Number of obs    =    47710
Method: Fixed-effects regression                Number of groups =     10
Group variable (i): imf                        F( 5, 4770)      =    12.85
maximum lag: 9                                   Prob > F          =    0.0000
                                                within R-squared  =    0.0123
```

nom120m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.0333239	.0534033	0.62	0.533	-.0545338	.1211815
path	.2303316	.0388705	5.93	0.000	.1663829	.2942802
lsap	.4494455	.1067303	4.21	0.000	.2738557	.6250353
dnom120m						
L1.	.0218251	.009844	2.22	0.027	.00563	.0380202
fx						
L1.	.0026291	.0028656	0.92	0.359	-.0020854	.0073435
_cons	-.1235956	.0632831	-1.95	0.051	-.2277073	-.0194838

```
Regression with Driscoll-Kraay standard errors    Number of obs    =    47710
Method: Fixed-effects regression                Number of groups =     10
Group variable (i): imf                        F( 5, 4770)      =    22.46
maximum lag: 9                                   Prob > F          =    0.0000
                                                within R-squared  =    0.0133
```

dyp120m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.0794419	.0267498	2.97	0.003	.035434	.1234499
path	.0956396	.0175461	5.45	0.000	.0667732	.1245059
lsap	.0404539	.0329466	1.23	0.220	-.0137489	.0946567
ddyp120m						
L1.	.0786437	.009865	7.97	0.000	.0624142	.0948733
fx						
L1.	.0007478	.0008036	0.93	0.352	-.0005742	.0020699
_cons	-.0505889	.0233785	-2.16	0.031	-.0890506	-.0121271

Regression with Driscoll-Kraay standard errors	Number of obs	=	47710
Method: Fixed-effects regression	Number of groups	=	10
Group variable (i): imf	F(5, 4770)	=	15.12
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0118

dtp120m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	-.0459412	.0318781	-1.44	0.150	-.0983862	.0065039
path	.1410091	.0271867	5.19	0.000	.0962822	.185736
lsap	.3997587	.0859016	4.65	0.000	.2584357	.5410818
ddtp120m						
L1.	.042362	.0104118	4.07	0.000	.0252329	.0594912
fx						
L1.	.0016128	.0025233	0.64	0.523	-.0025384	.005764
_cons	-.0649867	.0512575	-1.27	0.205	-.1493141	.0193408

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> /LSAPAEnomytpphil20m.eps written in EPS format)

```

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    58255
Method: Fixed-effects regression                Number of groups =     15
Group variable (i): imf                        F( 5, 4770)      =     6.59
maximum lag: 9                                   Prob > F          =    0.0000
                                                within R-squared  =    0.0064

```

nom24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.1680454	.0542485	3.10	0.002	.0787971	.2572936
path	.1210637	.0589005	2.06	0.040	.0241621	.2179653
lsap	.1367477	.0629571	2.17	0.030	.0331724	.240323
dnom24m						
L1.	-.0744893	.0240617	-3.10	0.002	-.1140749	-.0349037
fx						
L1.	-.0000442	.0000988	-0.45	0.654	-.0002067	.0001183
_cons	-.0511531	.1159824	-0.44	0.659	-.2419643	.139658

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    54153
Method: Fixed-effects regression                Number of groups =     15
Group variable (i): imf                        F( 5, 4762)      =     2.11
maximum lag: 9                                   Prob > F          =    0.0612
                                                within R-squared  =    0.0112

```


dyp24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.0988279	.0887142	1.11	0.265	-.0471223	.2447781
path	.1204307	.1055099	1.14	0.254	-.0531514	.2940127
lsap	.1432902	.2578236	0.56	0.578	-.2808744	.5674548
ddyp24m						
L1.	-.1045847	.0438223	-2.39	0.017	-.1766801	-.0324894
fx						
L1.	-.0002427	.0001904	-1.27	0.202	-.0005558	.0000705
_cons	.1929566	.2131972	0.91	0.365	-.1577898	.543703

Regression with Driscoll-Kraay standard errors	Number of obs	=	54153
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(5, 4762)	=	20.43
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0735

dtp24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	-.0801474	.1173964	-0.68	0.495	-.2732848	.11299
path	-.096301	.0815888	-1.18	0.238	-.2305287	.0379267
lsap	.1073562	.1938686	0.55	0.580	-.2115913	.4263037
ddtp24m						
L1.	-.270467	.0283638	-9.54	0.000	-.3171304	-.2238036
fx						
L1.	.0002353	.0001352	1.74	0.082	.0000128	.0004577
_cons	-.2841043	.160714	-1.77	0.077	-.5485068	-.0197018

Regression with Driscoll-Kraay standard errors	Number of obs	=	51692
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(5, 4343)	=	65.80
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0623

phi24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.0373533	.1136704	0.33	0.742	-.1496578	.2243644
path	.1113798	.0729489	1.53	0.127	-.0086361	.2313957
lsap	-.1139924	.131036	-0.87	0.384	-.3295734	.1015886
dphi24m						
L1.	-.2491083	.0156121	-15.96	0.000	-.2747933	-.2234232
fx						
L1.	-.0000286	.0000708	-0.40	0.687	-.0001451	.000088
_cons	.0257657	.1064352	0.24	0.809	-.149342	.2008734

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```

```
Regression with Driscoll-Kraay standard errors    Number of obs    =    58255
Method: Fixed-effects regression                Number of groups =     15
Group variable (i): imf                        F( 5, 4770)      =     5.70
maximum lag: 9                                   Prob > F         =    0.0000
                                                within R-squared =    0.0138
```

nom120m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.1320893	.0928179	1.42	0.155	-.0206122	.2847908
path	.2384665	.0752162	3.17	0.002	.1147228	.3622103
lsap	.1781518	.1296111	1.37	0.169	-.0350809	.3913845
dnom120m						
L1.	-.1122244	.0325262	-3.45	0.001	-.1657356	-.0587131
fx						
L1.	-.0000444	.0001212	-0.37	0.714	-.0002439	.0001551

_cons	-.0694002	.1447539	-0.48	0.632	-.3075453	.168745
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Regression with Driscoll-Kraay standard errors Number of obs = **54153**
Method: **Fixed-effects regression** Number of groups = **15**
Group variable (i): **imf** F(5, 4762) = **1.85**
maximum lag: 9 Prob > F = **0.1004**
within R-squared = **0.0074**

dyp120m0	Drisc/Kraay		t	P> t	[90% Conf. Interval]	
	Coef.	Std. Err.				
mp1	.0101076	.0575436	0.18	0.861	-.0845615	.1047768
path	.0638651	.0613573	1.04	0.298	-.0370783	.1648085
lsap	.2074695	.1504654	1.38	0.168	-.0400722	.4550112
ddyp120m						
L1.	-.0849307	.0482918	-1.76	0.079	-.1643791	-.0054824
fx						
L1.	-.0001007	.0000961	-1.05	0.295	-.0002587	.0000574
_cons	.051851	.1151152	0.45	0.652	-.1375335	.2412354

Regression with Driscoll-Kraay standard errors Number of obs = **54153**
Method: **Fixed-effects regression** Number of groups = **15**
Group variable (i): **imf** F(5, 4762) = **12.68**
maximum lag: 9 Prob > F = **0.0000**
within R-squared = **0.0500**

dtp120m0	Drisc/Kraay		t	P> t	[90% Conf. Interval]	
	Coef.	Std. Err.				
mp1	-.2164092	.0533868	-4.05	0.000	-.3042398	-.1285786
path	-.0666822	.0507666	-1.31	0.189	-.1502021	.0168378
lsap	.4414182	.1070275	4.12	0.000	.2653394	.6174969
ddtp120m						
L1.	-.221318	.0360179	-6.14	0.000	-.2805737	-.1620622
fx						
L1.	.0001092	.0000813	1.34	0.179	-.0000245	.000243

_cons	-.1695353	.1105745	-1.53	0.125	-.3514496	.012379
--------------	------------------	-----------------	--------------	--------------	------------------	----------------

	Drisc/Kraay					
phil20m0	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.2312123	.0887192	2.61	0.009	.0852511	.3771735
path	.1645567	.1129716	1.46	0.145	-.0213046	.350418
lsap	-.4191343	.1960601	-2.14	0.033	-.7416932	-.0965753
dphil20m						
l1.	-.3087722	.0503025	-6.14	0.000	-.3915301	-.2260143
fx						
l1.	.0000129	.0000949	0.14	0.892	-.0001432	.000169
_cons	-.0092457	.122641	-0.08	0.940	-.2110153	.1925239

```

36 .
    end of do-file

37 . do "$pathcode/spov_combined_rho"

38 . * =====
    > =====
39 . * Local projections: Forward premium
40 . * =====
    > =====
41 . use $file_dta2, clear

42 .
43 .
44 . * Define local variables
45 . local xtcmd xtscc                                // xtreg

46 . local xtopt fe level(90)                        // fe level(90) cluster($id)

47 . local maxlag = 1

48 . local vars rho

49 .
50 . foreach group in 0 1 {
    2.         if `group' == 0 {
    3.             local grp "AE"
    4.             local region regionae
    5.         }
    6.         else {
    7.             local grp "EM"
    8.             local region regionem
    9.         }
    10.
51 .         // regressions
52 .         foreach v in `vars' {
    11.             foreach t in 24 120 { // 3 6 12 24 60 120 {
    12.

```

```

53 .          // variables to store the betas and confidence inter
    > vals
54 .          capture {
    13.              foreach shock in mp1 path lsap {
    14.                  gen b_`shock'__v``t'm = .
    15.                  gen l1l_`shock'__v``t'm = .
    16.                  gen ull_`shock'__v``t'm = .
    17.              }          // `shock'
    18.          }
    19.
55 .          // controls
56 .          local ctrl`v``t'm l(1/`maxlag').d`v``t'm l(1/`maxlag
    > ').fx          // l(2).`v``t'm l(1).fx
    20.
57 .          forvalues h = 0/$horizon {
    21.              // response variables
58 .              capture gen `v``t'm`h' = (f`h'.`v``t'm - l.`
    > v``t'm)
    22.
59 .              // conditions
60 .              local condition em == `group' //          & `d
    > atecond' & `region' == 4
    23.
61 .              // one regression for each horizon
62 .              if `h' == 0 {
    24.                  `xtcmd' `v``t'm`h' mp1 path lsap
    > `ctrl`v``t'm' if `condition', `xtopt' // on-impact effect
    25.                  foreach shock in mp1 path lsap {
    26.                      local pvalue = (2 * ttail
    > (e(df_r),abs(_b[`shock']/_se[`shock'])))
    27.                      if `pvalue' < 0.1 local `
    > shock``t' = -1*_b[`shock']
    28.                      else local `shock``t' = 0
    29.                  }
    30.              }
    31.              quiet `xtcmd' `v``t'm`h' mp1 path lsap `c
    > trl`v``t'm' if `condition', `xtopt'
    32.

```

```

63 .               capture {
        33.               foreach shock in mp1 path lsap {
        34.                   replace b_`shock'__v'`t'm = -1*_
> b[`shock'] if _n == `h'+1
        35.
64 .               // confidence intervals
65 .               matrix R = r(table)
        36.                   replace l11_`shock'__v'`t'm = -1*
> el(matrix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n ==
> `h'+1
        37.                   replace u11_`shock'__v'`t'm = -1*
> el(matrix(R),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n ==
> `h'+1
        38.               } // `shock'
        39.               drop `v'`t'm`h'
        40.               }
        41.           } // `h' horizon
        42.       } // `t' tenor
        43.
66 .           // graphs
67 .           local j = 0
        44.               foreach shock in mp1 path lsap {
        45.                   local ++j
        46.                   if `j' == 1 local shk "Target"
        47.                   if `j' == 2 local shk "Path"
        48.                   if `j' == 3 local shk "LSAP"
        49.
68 .               local k = 0
        50.                   foreach t in 24 120 { // 3 6 12 24 60 120 {
        51.                       local ++k
        52.                       if `k' == 1 local yxtitles ytitle("Basis Points",
> size(medsmall)) xtitle("Days", size(medsmall))
        53.                       else local yxtitles xtitle("Days", size(medsmall))
> )
        54.                       local ty = `t'/12
        55.                       twoway (line l11_`shock'__v'`t'm days, lcolor(gs
> 6) lpattern(dash)) ///
> (line u11_`shock'__v'`t'm days, lcol
> or(gs6) lpattern(dash)) ///
> (line b_`shock'__v'`t'm days, lcolor
> (blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(black)), ///
> `yxtitles' xlabel(0(15)$horizon, nogrid) ylabel(``sh
> ock'`t' " ">', add custom labcolor(red) tlcolor(red) nogrid) ///
> graphregion(color(white)) plotregion(color(white)) l
> egend(off) name(`v'`t'm, replace) ///
> title(`ty' Years, color(black) size(medium))
> // for rho version
        56.

```

```

69 . //                                graph export $pathfigs/LPs/\`shk'\`grp'\`v'\`t
    > 'm.eps, replace
70 .                                local graphs`shock'\`grp' `graphs`shock'\`grp' `v'\`t'
    > m                                // for rho version
    57.
71 .                                drop *`_`shock'`_`v'\`t'm                                // b
    > _ and confidence intervals
    58.                                }                                // `t' tenor
    59.
72 .                                graph combine `graphs`shock'\`grp'', rows(1) ycommon
    >                                // for rho version
    60.                                graph export $pathfigs/LPs/\`shk'\`grp'\`shk'\`grp'rho.eps,
    > replace
    61.                                graph drop _all
    62.                                }                                // `shock'
    63.                                }                                // `v' yield component
    64. }                                // `group' AE or EM

```

Regression with Driscoll-Kraay standard errors	Number of obs	=	45169
Method: Fixed-effects regression	Number of groups	=	10
Group variable (i): imf	F(5, 4770)	=	25.24
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0364

rho24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	-.3957051	.1252832	-3.16	0.002	-.6018177	-.1895926
path	-.4452463	.0743016	-5.99	0.000	-.5674853	-.3230072
lsap	-.3328727	.1235998	-2.69	0.007	-.5362159	-.1295296
drho24m						
L1.	-.0937813	.0169971	-5.52	0.000	-.1217445	-.0658181
fx						
L1.	.0073265	.0063213	1.16	0.247	-.0030731	.0177262
_cons	-.1483843	.1013742	-1.46	0.143	-.3151624	.0183939

Regression with Driscoll-Kraay standard errors	Number of obs	=	45169
Method: Fixed-effects regression	Number of groups	=	10
Group variable (i): imf	F(5, 4770)	=	67.84
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0550

rho120m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	-.3361221	.0943643	-3.56	0.000	-.4913678	-.1808764
path	-.4211518	.0726639	-5.80	0.000	-.5406965	-.3016071
lsap	-.8386593	.1055347	-7.95	0.000	-1.012282	-.6650364
drho120m						
L1.	-.1585359	.0139548	-11.36	0.000	-.1814939	-.135578
fx						
L1.	.0062382	.0070861	0.88	0.379	-.0054197	.0178961
_cons	-.119152	.1127907	-1.06	0.291	-.3047123	.0664083

(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/T
> arget/AE/TargetAErho.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Target/
> AE/TargetAErho.eps written in EPS format)
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/AE/PathAErho.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Path/AE
> /PathAErho.eps written in EPS format)
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/L
> SAP/AE/LSAPAErho.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/LSAP/AE
> /LSAPAErho.eps written in EPS format)

Regression with Driscoll-Kraay standard errors	Number of obs	=	53961
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(5, 4770)	=	20.40
maximum lag: 9	Prob > F	=	0.0000
	within R-squared	=	0.0124

rho24m0	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	-.5749297	.1781381	-3.23	0.001	-.8679977	-.2818616
path	-.5001492	.0950794	-5.26	0.000	-.6565714	-.3437271
lsap	-.2874781	.123045	-2.34	0.020	-.4899083	-.0850478
drho24m						
L1.	-.0953998	.044269	-2.16	0.031	-.16823	-.0225697
fx						
L1.	-.0001817	.0001918	-0.95	0.344	-.0004972	.0001339

_cons	.1215191	.2306144	0.53	0.598	-.2578814	.5009196
-------	----------	----------	------	-------	-----------	----------

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   53961
Method: Fixed-effects regression               Number of groups =    15
Group variable (i): imf                       F( 5, 4770)     =   29.38
maximum lag: 9                                 Prob > F        =   0.0000
                                              within R-squared =   0.0401

```

rhol20m0	Drisc/Kraay					[90% Conf. Interval]	
	Coef.	Std. Err.	t	P> t			
mp1	-.3844943	.1891996	-2.03	0.042	-.6957604	-.0732282	
path	-.6287685	.1353565	-4.65	0.000	-.8514534	-.4060835	
lsap	-.7466287	.1464905	-5.10	0.000	-.9876309	-.5056264	
drhol20m							
L1.	-.1831073	.0200369	-9.14	0.000	-.2160715	-.1501431	
fx							
L1.	-.0000831	.0001389	-0.60	0.550	-.0003116	.0001454	
_cons	.0347218	.1891229	0.18	0.854	-.2764181	.3458617	

```

(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/T
> arget/EM/TargetEMrho.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Target/
> EM/TargetEMrho.eps written in EPS format)
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/EM/PathEMrho.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Path/EM
> /PathEMrho.eps written in EPS format)
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/L
> SAP/EM/LSAPEMrho.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/LSAP/EM
> /LSAPEMrho.eps written in EPS format)

```

```

73 .
    end of do-file

74 . do "$pathcode/spov_combined_usyc"

75 . * =====
    > =====
76 . * Local projections: US YC
77 . * =====
    > =====
78 . use $file_dta2, clear

79 .
80 .
81 . * Define local variables
82 . local xtcmd reg          // xtreg          // xtscc

83 . local xtopt robust level(90)    // fe level(90) cluster($id)    // fe level(
    > 90)

84 . local maxlag = 1

85 . local grp "CHF"

86 . local vars usyc usyp ustp

87 .
88 . foreach t in 24 120 {
    2.          // regressions
89 .          foreach v in `vars' {
    3.
90 .          // variables to store the betas and confidence intervals
91 .          capture {
    4.          foreach shock in mp1 path lsap {
    5.              gen b_`shock'__v'`t'm = .
    6.              gen l11_`shock'__v'`t'm = .
    7.              gen u11_`shock'__v'`t'm = .
    8.          }          // `shock'
    9.          }
    10.

```

```

92 .          // controls
93 .          local ctrl`v'`t'm l(1/`maxlag').d`v'`t'm          // l(1/`maxl
> ag').fx
11.
94 .          forvalues h = 0/$horizon {
12.              // response variables
95 .              capture gen `v'`t'm`h' = (f`h'.`v'`t'm - l.`v'`t'm)
13.
96 .              // conditions
97 .              local condition cty == "`grp'"
14.
98 .              // one regression for each horizon
99 .              if `h' == 0 {
15.                  `xtcmd' `v'`t'm`h' mp1 path lsap `ctrl`v'
> `t'm' if `condition', `xtopt' // on-impact effect
16.                  foreach shock in mp1 path lsap {
17.                      local pvalue = (2 * ttail(e(df_r)
> ,abs(_b[`shock']/_se[`shock'])))
18.                      if `pvalue' < 0.1 local `shock'`v
> ' = -1*_b[`shock']
19.                      else local `shock'`v' = 0
20.                  }
21.              }
22.              quiet `xtcmd' `v'`t'm`h' mp1 path lsap `ctrl`v'`t
> `m' if `condition', `xtopt'
23.
100 .          capture {
24.              foreach shock in mp1 path lsap {
25.                  replace b_`shock'`v'`t'm = -1*_b[`shock
> '] if _n == `h'+1
26.
101 .              // confidence intervals
102 .              matrix R = r(table)
27.                  replace l1l_`shock'`v'`t'm = -1*el(matri
> x(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n == `h'+1
28.                  replace u1l_`shock'`v'`t'm = -1*el(matri
> x(R),rownumb(matrix(R),"ul"),colnumb(matrix(R),"`shock'")) if _n == `h'+1
29.              } // `shock'
30.              drop `v'`t'm`h'
31.          }
32.      } // `h' horizon
33.  } // `v' yield component
34.

```

```

103 .          // graphs
104 .          local j = 0
      35.          foreach shock in mp1 path lsap {
      36.              local ++j
      37.              if `j' == 1 local shk "Target"
      38.              if `j' == 2 local shk "Path"
      39.              if `j' == 3 local shk "LSAP"
      40.
105 .              local k = 0
      41.              foreach v in `vars' {
      42.                  local ++k
      43.                  if `k' == 1 local yxtitles ytitle("Basis Points",
> size(medsmall)) xtitle("Days", size(medsmall))
      44.                  else local yxtitles xtitle("Days", size(medsmall)
> )
      45.                  twoway (line l1l_`shock'`v'`t'm days, lcolor(gs
> 6) lpattern(dash)) ///
> (line u1l_`shock'`v'`t'm days, lcol
> or(gs6) lpattern(dash)) ///
> (line b_`shock'`v'`t'm days, lcolor
> (blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(black)), ///
> `yxtitles' xlabel(0(15)$horizon, nogrid) ylabel(`sh
> ock'`v'`t'm ">", add custom labcolor(red) tlcolor(red) nogrid) ///
> graphregion(color(white)) plotregion(color(white)) l
> egend(off) name(`v'`t'm, replace) ///
> title(`: variable label `v'`t'm', color(black) size(
> medium))
      46.
106 . //          graph export $pathfigs/LPs/`shk'/CTY/`shk'`g
> rp'`v'`t'm.eps, replace
107 .          local graphs`shock'`grp'`t' `graphs`shock'`grp'`t'
> `v'`t'm
      47.          drop *_`shock'`v'`t'm
> / b_ and confidence intervals
      48.          }          // `v' yield component
      49.

```

```

108 .               graph combine `graphs`shock``grp``t'', rows(1) ycommon
    50.               graph export $pathfigs/LPs/`shk'/CTY/`shk'USDnomyptp`t'm.
> eps, replace
    51.               graph drop _all
    52.               }               // `shock'
    53. }               // `t' tenor

```

```

Linear regression               Number of obs   =      4,771
                                F(4, 4766)      =      23.85
                                Prob > F         =      0.0000
                                R-squared        =      0.0375
                                Root MSE     =      5.0468

```

usyc24m0	Coef.	Robust Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.3532962	.1243987	2.84	0.005	.1486388	.5579537
path	.5000886	.0849419	5.89	0.000	.3603444	.6398328
lsap	.4505384	.1148926	3.92	0.000	.2615201	.6395567
dusyc24m L1.	-.0102097	.0222646	-0.46	0.647	-.0468389	.0264195
_cons	-.0640132	.073063	-0.88	0.381	-.1842146	.0561881

```

Linear regression               Number of obs   =      4,771
                                F(4, 4766)      =      53.18
                                Prob > F         =      0.0000
                                R-squared        =      0.1012
                                Root MSE     =      2.5854

```

usyp24m0	Coef.	Robust Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	.2721858	.0819154	3.32	0.001	.1374208	.4069509
path	.2031364	.0352327	5.77	0.000	.1451726	.2611002
lsap	.2657012	.0554037	4.80	0.000	.1745525	.3568499
dusyp24m L1.	.2606511	.0240782	10.83	0.000	.2210383	.3002639
_cons	-.0333141	.0371597	-0.90	0.370	-.0944482	.02782

Linear regression

Number of obs = 4,771
 F(4, 4766) = 77.81
 Prob > F = 0.0000
 R-squared = 0.1021
 Root MSE = 1.4918

ustp24m0	Coef.	Robust Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.015424	.0277353	0.56	0.578	-.0302053	.0610534
path	.1503561	.0270406	5.56	0.000	.1058697	.1948425
lsap	.2768399	.0368466	7.51	0.000	.2162208	.3374591
dustp24m L1.	.2558688	.0193774	13.20	0.000	.2239895	.287748
_cons	-.010561	.0216412	-0.49	0.626	-.0461645	.0250424

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 > arget/CTY/TargetUSDnomytp24m.eps not found)
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 > CTY/TargetUSDnomytp24m.eps written in EPS format)
 (note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
 > ath/CTY/PathUSDnomytp24m.eps not found)
 (file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Path/CT
 > Y/PathUSDnomytp24m.eps written in EPS format)
 (note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/L
 > SAP/CTY/LSAPUSDnomytp24m.eps not found)
 (file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/LSAP/CT
 > Y/LSAPUSDnomytp24m.eps written in EPS format)

Linear regression

Number of obs = 4,771
 F(4, 4766) = 60.49
 Prob > F = 0.0000
 R-squared = 0.0388
 Root MSE = 5.7528

usyc120m0	Coef.	Robust Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.0537929	.1104276	0.49	0.626	-.1278796	.2354654
path	.4260832	.0837894	5.09	0.000	.288235	.5639313
lsap	1.483754	.1258563	11.79	0.000	1.276699	1.69081
dusyc120m						
L1.	.0014243	.017709	0.08	0.936	-.02771	.0305586
_cons	-.0733088	.0833358	-0.88	0.379	-.2104107	.0637932

Linear regression

Number of obs	=	4,771
F(4, 4766)	=	73.52
Prob > F	=	0.0000
R-squared	=	0.0792
Root MSE	=	1.949

usyp120m0	Coef.	Robust Std. Err.	t	P> t	[90% Conf. Interval]	
mpl	.1208368	.0573369	2.11	0.035	.0265077	.2151659
path	.1642714	.0293897	5.59	0.000	.1159202	.2126225
lsap	.385389	.0431959	8.92	0.000	.3143242	.4564538
dusyp120m						
L1.	.2060391	.0188654	10.92	0.000	.1750022	.237076
_cons	-.0311493	.0281409	-1.11	0.268	-.0774459	.0151473

Linear regression

Number of obs	=	4,771
F(4, 4766)	=	97.66
Prob > F	=	0.0000
R-squared	=	0.1091
Root MSE	=	2.574

ustp120m0	Coef.	Robust Std. Err.	t	P> t	[90% Conf. Interval]	
mp1	-.0158323	.0482374	-0.33	0.743	-.0951913	.0635266
path	.2423626	.046824	5.18	0.000	.1653289	.3193963
lsap	.5949382	.0653793	9.10	0.000	.4873779	.7024986
dustp120m						
L1.	.2622852	.017332	15.13	0.000	.233771	.2907994
_cons	-.0229132	.0373226	-0.61	0.539	-.0843154	.0384889

```
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/T
> arget/CTY/TargetUSDnomyptp120m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Target/
> CTY/TargetUSDnomyptp120m.eps written in EPS format)
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/P
> ath/CTY/PathUSDnomyptp120m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/Path/CT
> Y/PathUSDnomyptp120m.eps written in EPS format)
(note: file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/L
> SAP/CTY/LSAPUSDnomyptp120m.eps not found)
(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Figures/LPs/LSAP/CT
> Y/LSAPUSDnomyptp120m.eps written in EPS format)
```

```
109 .
    end of do-file

110 . do "$pathcode/spov_drivers"

111 . * =====
    > ====
112 . * Panel regressions with monthly data
113 . * =====
    > ====
114 . use $file_dta2, clear
```

```

115 .
116 .
117 . * Keep monthly data and define panel
118 . keep if eomth
      (103,276 observations deleted)

119 . global idm imf

120 . global tm datem

121 . sort  $idm $tm

122 . xtset $idm $tm
      panel variable:  imf (unbalanced)
      time variable:  datem, 2000 to 2019
                  delta:  1 month

123 . drop date eomth

124 . order  datem, first

125 . replace cbp = cbp*100
      (2,864 real changes made)

126 . gen byte taper = datem >= tm(2013m5)

127 .
128 .
129 . * Compute monthly returns (in basis points)
130 . foreach v of varlist vix spx oil fx stx epuus epugbl globalip {
      2.      gen log`v' = ln(`v')
      3.      by $idm: gen rt`v' = (log`v' - log`v'[_n-1])*10000
      4. }
      (25 missing values generated)
      (25 missing values generated)
      (25 missing values generated)
      (25 missing values generated)
      (2,290 missing values generated)
      (2,305 missing values generated)
      (25 missing values generated)
      (25 missing values generated)
      (517 missing values generated)
      (566 missing values generated)

```

```

131 .
132 .
133 . * Standardize the exchange rate
134 . egen meanFX = mean(fx), by($idm)

135 . egen stdFX = sd(fx), by($idm)

136 . gen zfx = (fx - meanFX) / stdFX

137 .
138 .
139 . * Define local variables
140 . local xtcmd xtscce // xtreg

141 . local xtopt fe // fe cluster($id)

142 .
143 .
144 . * Define global variables
145 . global x0 sdpru

146 . global x1 logvix logepuus logepugbl globalip // rtspu rtol vix epugbl glob
> alip // vix epugbl rtglobalip // rtvix rtepugbl rtglobalip

147 . global x2 cbp inf une zfx $x1

148 .
149 .
150 . * Label variables for use in figures and tables
151 . #delimit ;
delimit now ;
152 . unab oldlabels : ustp* usyp* rtvix rtfx rtol rtspu rtstx rtepuus rtepugbl r
> tglobalip
>
logepuus logepugbl logvix vix zfx cbp;

153 . local newlabels `"' "U.S. Term Premium" "U.S. Term Premium" "U.S. Term Premiu
> m" "U.S. Term Premium"
>
"U.S. E. Short Rate" "U.S. E. Short Rate" "U
> .S. E. Short Rate" "U.S. E. Short Rate"
>
"Vix" "FX" "Oil" "S&P" "Stock" "EPU U.S." "
> Global EPU" "Global Ind. Prod."
>
"Log(EPU U.S.)" "Log(EPU Global)" "Log(Vix)"
>
"Vix" "LC per USD (Std.)" "Local Policy Rate" "'";

```

```

154 . #delimit cr
      delimiter now cr
155 . local nlbls : word count `oldlabels'

156 . forvalues i = 1/`nlbls' {
      2.         local a : word `i' of `oldlabels'
      3.         local b : word `i' of `newlabels'
      4.         label variable `a' "`b'"
      5. }

157 .
158 .
159 . * -----
      > ----
160 . * Table: TP and UCSV
161 . local tbl1bl "f_tpucsv"

162 . eststo clear

163 . local j = 0

164 . foreach t in 6 12 24 60 120 {
      2.         local ++j
      3.         `xtcmd' dtp`t'm $x0 if em, `xtopt'
      4.         eststo mtp`j', addscalars(Lags e(lag) R2 e(r2_w) Countries e(N_g)
      > Obs e(N))
      5.         estadd local FE Yes
      6.         local ++j
      7.         `xtcmd' dtp`t'm $x0 gdp if em, `xtopt'
      8.         eststo mtp`j', addscalars(Lags e(lag) R2 e(r2_w) Countries e(N_g)
      > Obs e(N))
      9.         estadd local FE Yes
     10.         quiet xtreg dtp`t'm $x0 if em, fe
     11.         xtcsd, pesaran abs
     12.         quiet xtreg dtp`t'm $x0 gdp if em, fe
     13.         xtcsd, pesaran abs
     14. }

```

Regression with Driscoll-Kraay standard errors	Number of obs	=	870
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(1, 75)	=	6.96
maximum lag: 3	Prob > F	=	0.0102
	within R-squared	=	0.0713

dtp6m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	79.80596	30.26051	2.64	0.010	19.52392	140.088
_cons	-45.31745	25.1865	-1.80	0.076	-95.49152	4.856619

(e(Lags) = 3 added)
(e(R2) = .07125414 added)
(e(Countries) = 15 added)
(e(Obs) = 870 added)

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors	Number of obs	=	796
Method: Fixed-effects regression	Number of groups	=	14
Group variable (i): imf	F(2, 75)	=	2.85
maximum lag: 3	Prob > F	=	0.0643
	within R-squared	=	0.0614

dtp6m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	81.05436	34.00845	2.38	0.020	13.30605	148.8027
gdp	-.4916398	2.260885	-0.22	0.828	-4.995554	4.012274
_cons	-42.44005	29.48085	-1.44	0.154	-101.1689	16.28882

(e(Lags) = 3 added)
(e(R2) = .06135257 added)
(e(Countries) = 14 added)
(e(Obs) = 796 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = **15.678**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.333**

Pesaran's test of cross sectional independence = **14.343**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.329**

```

Regression with Driscoll-Kraay standard errors
Method: Fixed-effects regression
Group variable (i): imf
maximum lag: 3
Number of obs      =      870
Number of groups   =       15
F(   1,   75)      =     11.54
Prob > F           =     0.0011
within R-squared   =     0.0606

```

dtp12m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	78.81454	23.19637	3.40	0.001	32.60499	125.0241
_cons	-37.44463	20.82081	-1.80	0.076	-78.92181	4.032558

```

(e(Lags) = 3 added)
(e(R2) = .06058728 added)
(e(Countries) = 15 added)
(e(Obs) = 870 added)

```

added macro:

```
e(FE) : "Yes"
```

```

Regression with Driscoll-Kraay standard errors
Method: Fixed-effects regression
Group variable (i): imf
maximum lag: 3
Number of obs      =      796
Number of groups   =       14
F(   2,   75)      =     4.46
Prob > F           =     0.0148
within R-squared   =     0.0621

```

dtp12m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	92.97177	32.62706	2.85	0.006	27.97533	157.9682
gdp	.0212188	2.644378	0.01	0.994	-5.246652	5.289089
_cons	-47.56393	28.1105	-1.69	0.095	-103.5629	8.435063

```

(e(Lags) = 3 added)
(e(R2) = .06208536 added)
(e(Countries) = 14 added)
(e(Obs) = 796 added)

```

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 17.106, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.316

Pesaran's test of cross sectional independence = 14.337, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.304

Regression with Driscoll-Kraay standard errors	Number of obs	=	870
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(1, 75)	=	17.52
maximum lag: 3	Prob > F	=	0.0001
	within R-squared	=	0.0817

dtp24m	Drisc/Kraay		t	P> t	[95% Conf. Interval]	
	Coef.	Std. Err.				
sdprm	84.40672	20.1669	4.19	0.000	44.23219	124.5813
_cons	-29.03194	19.11055	-1.52	0.133	-67.10211	9.03822

(e(Lags) = 3 added)
(e(R2) = .0816998 added)
(e(Countries) = 15 added)
(e(Obs) = 870 added)

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors	Number of obs	=	796
Method: Fixed-effects regression	Number of groups	=	14
Group variable (i): imf	F(2, 75)	=	11.30
maximum lag: 3	Prob > F	=	0.0001
	within R-squared	=	0.0955

dtp24m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	105.2109	27.45894	3.83	0.000	50.50984	159.9119
gdp	1.353951	1.951769	0.69	0.490	-2.534172	5.242075
_cons	-50.58351	22.55939	-2.24	0.028	-95.52413	-5.642892

(e(Lags) = 3 added)
(e(R2) = .09554992 added)
(e(Countries) = 14 added)
(e(Obs) = 796 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 15.303, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.286

Pesaran's test of cross sectional independence = 11.962, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.262

Regression with Driscoll-Kraay standard errors	Number of obs	=	870
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(1, 75)	=	29.40
maximum lag: 3	Prob > F	=	0.0000
	within R-squared	=	0.1280

dtp60m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	98.33983	18.13695	5.42	0.000	62.20917	134.4705
_cons	18.55325	17.15735	1.08	0.283	-15.62593	52.73244

(e(Lags) = 3 added)
(e(R2) = .12802496 added)
(e(Countries) = 15 added)
(e(Obs) = 870 added)

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors Number of obs = **796**
Method: **Fixed-effects regression** Number of groups = **14**
Group variable (i): **imf** F(2, 75) = **15.15**
maximum lag: 3 Prob > F = **0.0000**
 within R-squared = **0.1610**

dtp60m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	128.7337	25.29291	5.09	0.000	78.34763	179.1197
gdp	1.655814	1.410582	1.17	0.244	-1.154209	4.465837
_cons	-13.24207	22.47397	-0.59	0.557	-58.0125	31.52837

(e(**Lags**) = 3 added)
(e(**R2**) = .16095314 added)
(e(**Countries**) = 14 added)
(e(**Obs**) = 796 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = **10.126**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.285**

Pesaran's test of cross sectional independence = **9.455**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.265**

Regression with Driscoll-Kraay standard errors Number of obs = **870**
Method: **Fixed-effects regression** Number of groups = **15**
Group variable (i): **imf** F(1, 75) = **41.53**
maximum lag: 3 Prob > F = **0.0000**
 within R-squared = **0.1402**

dtp120m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	118.3384	18.36359	6.44	0.000	81.75623	154.9205
_cons	106.4094	16.77215	6.34	0.000	72.99753	139.8212

```
(e(Lags) = 3 added)
(e(R2) = .14023739 added)
(e(Countries) = 15 added)
(e(Obs) = 870 added)
```

added macro:

```
e(FE) : "Yes"
```

```
Regression with Driscoll-Kraay standard errors   Number of obs   =       796
Method: Fixed-effects regression                 Number of groups =       14
Group variable (i): imf                         F( 2, 75)       =     17.39
maximum lag: 3                                  Prob > F        =     0.0000
                                                within R-squared =     0.1833
```

dtp120m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sdprm	159.3185	27.01847	5.90	0.000	105.495	213.1421
gdp	-.1129452	2.616789	-0.04	0.966	-5.325856	5.099965
_cons	72.70569	26.58642	2.73	0.008	19.74283	125.6686

```
(e(Lags) = 3 added)
(e(R2) = .18330208 added)
(e(Countries) = 14 added)
(e(Obs) = 796 added)
```

added macro:

```
e(FE) : "Yes"
```

```
Pesaran's test of cross sectional independence = 14.799, Pr = 0.0000
```

```
Average absolute value of the off-diagonal elements = 0.312
```

```
Pesaran's test of cross sectional independence = 14.656, Pr = 0.0000
```

```
Average absolute value of the off-diagonal elements = 0.290
```

```

165 . esttab mtp* using "$pathtbbs/\tbl1tbl1'.tex", replace fragment cells(b(fmt(a2)
> star) se(fmt(a2) par)) ///
> keep($x0 gdp) nomtitles nonumbers nonotes noline noobs label booktabs colla
> bels(none) ///
> mgroups("6 Months" "1 Year" "2 Years" "5 Years" "10 Years", pattern(1 0 1 0
> 1 0 1 0 1 0) prefix(\multicolumn{@span}{c}{}) suffix({}) span erepeat(\cmidrul
> e(lr){@span})) ///
> varlabels(, elist(gdp \midrule)) scalars("FE Fixed Effects" "Lags" "Countrie
> s No. Countries" "Obs Observations" "R2 \((R^{2})\)") sfmt(%4.0fc %4.0fc %4.0f
> c %4.0fc %4.2fc)
(output written to /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables
> /f_tpu.csv.tex)

166 . // scalars("e(lag) Lags" "e(r2_w) R2" "e(N_g) Countries" "e(N) Obs" "Fixed E
> ffacts")
167 . // filefilter x.tex "$pathtbbs/\tbl1tbl1'.tex", from(\BS\BS\n) to(\BStabularne
> wline\n) replace
168 . // erase x.tex
169 . * -----
> ----
170 .
171 . * Repeat sdprn values throughout the quarter
172 . replace sdprn = L.sdprn if sdprn >= .
(1,927 real changes made)

173 .
174 . * -----
> ----
175 . * Table: Drivers
176 . local tbl1tbl1 "f_ydcamp"

177 . eststo clear

178 . foreach t in 12 24 60 120 {
2. local ty = `t'/12
3. foreach group in 1 { // 0
4. local condition em == `group' // & datem >= tm(2008m9)
5. local j = 0
6. foreach v in nom dyp dtp phi {
7. local ++j
8. if `group' == 0 {
9. `xtcmd' `v'`t'm ustp`t'm usyp`t'm $x1 if
> `condition', `xtopt'
10. eststo mdl`j', addscalars(Lags e(lag) R2
> e(r2_w) Countries e(N_g) Obs e(N))
11. estadd local FE Yes
12. quiet xtreg `v'`t'm ustp`t'm usyp`t'm $x1
> if `condition', fe
13. xtcsd, pesaran abs

```

```

14.          }
15.
179 .          if `group' == 1 {
16.              `xtcmd' `v' `t' m ustp `t' m usyp `t' m $x2 if
> `condition' & phi `t' m != ., `xtopt'
17. //          `xtcmd' `v' `t' m ustp `t' m usyp `t' m $x0 $x2
> if `condition' & phi `t' m != ., `xtopt'
180 . //          `xtcmd' `v' `t' m usyc `t' m $x2 if `condition'
> & phi `t' m != ., `xtopt'
181 . //          `xtcmd' `v' `t' m ustp `t' m c.ustp `t' m #i.taper
> usyp `t' m c.usyp `t' m #i.taper $x2 if `condition' & phi `t' m != ., `xtopt'
182 .          eststo mdl`j', addscalars(Lags e(lag) R2 e(r
> 2_w) Countries e(N_g) Obs e(N))
18.              estadd local FE Yes
19.              quiet xtreg `v' `t' m ustp `t' m usyp `t' m $x2
> if `condition', fe
20.              xtcsd, pesaran abs
21.          }
22.      } // `v' variables
23.      esttab mdl* using x.tex, replace fragment cells(b(fmt(2)
> star) se(fmt(2) par)) ///
>          nocons nomtitles nonumbers nonotes nolines noobs label bookt
> abs collabels(none) ///
>          mggroups("Nominal" "E. Short Rate" "Term Premium" "Credit Ris
> k", pattern(1 1 1 1 1 1) prefix(\multicolumn{@span}{c}{}) suffix({}) span erep
> eat(\cmidrule(lr){@span})) ///
>          varlabels(, elist(globalip \midrule)) scalars("FE Fixed Effe
> cts" "Lags" "Countries No. Countries" "Obs Observations" "R2 \((R^{2})\)" ) sfm
> t(%4.0fc %4.0fc %4.0fc %4.0fc %4.2fc)
24.      } // `group'
25.      filefilter x.tex "$pathtbbs/\tblbbl'`ty'y.tex", from(Observations
> ) to(Observations) replace
26. } // `t'

```

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	288.02
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.8194

nom12m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustpl2m	1.874197	.3785658	4.95	0.000	1.127901	2.620494
usyp12m	-.0139112	.0372856	-0.37	0.709	-.0874152	.0595928
cbp	.7322319	.0279736	26.18	0.000	.6770854	.7873785
inf	7.477778	2.303238	3.25	0.001	2.937223	12.01833
une	4.97956	2.807247	1.77	0.078	-.5545894	10.51371
zfx	28.4088	4.611921	6.16	0.000	19.31696	37.50065
logvix	33.83628	7.498444	4.51	0.000	19.054	48.61856
logepuus	4.71269	3.355212	1.40	0.162	-1.901706	11.32709
logepugbl	-50.89774	12.55202	-4.05	0.000	-75.64254	-26.15294
globalip	2.278493	.7676687	2.97	0.003	.7651266	3.791859
_cons	179.4436	69.7279	2.57	0.011	41.98349	316.9038

(e(Lags) = 4 added)
(e(R2) = .81944532 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 2.919, Pr = 0.0035

Average absolute value of the off-diagonal elements = 0.253

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	246.54
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.7369

dyp12m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustpl2m	2.055177	.4075147	5.04	0.000	1.251811	2.858543
usyp12m	-.0413059	.03907	-1.06	0.292	-.1183278	.035716
cbp	.7973957	.0419924	18.99	0.000	.7146128	.8801786
inf	-.9179235	3.776422	-0.24	0.808	-8.362683	6.526836
une	-6.511317	3.025855	-2.15	0.033	-12.47642	-.5462095
zfx	38.98476	5.639769	6.91	0.000	27.86664	50.10288
logvix	-29.80132	12.809	-2.33	0.021	-55.05271	-4.549921
logepuus	-3.021242	5.839338	-0.52	0.605	-14.53279	8.490309
logepugbl	-47.84867	12.56548	-3.81	0.000	-72.62	-23.07735

globalip	-1.206026	1.002802	-1.20	0.230	-3.182928	.7708768
_cons	428.521	67.07921	6.39	0.000	296.2824	560.7596

(e(Lags) = 4 added)
(e(R2) = .73688138 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 9.939, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.265

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	28.42
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.2002

dtp12m	Drisc/Kraay		t	P> t	[95% Conf. Interval]	
	Coef.	Std. Err.				
ustp12m	.5404166	.2040167	2.65	0.009	.1382224	.9426108
usyp12m	.0676276	.017167	3.94	0.000	.0337849	.1014703
cbp	.0228839	.0212478	1.08	0.283	-.0190036	.0647714
inf	7.753899	2.201996	3.52	0.001	3.412929	12.09487
une	1.470954	1.746013	0.84	0.400	-1.971099	4.913007
zfx	7.242052	3.196858	2.27	0.025	.9398323	13.54427
logvix	-8.855668	7.825246	-1.13	0.259	-24.2822	6.570861
logepuus	-8.542402	2.68857	-3.18	0.002	-13.84259	-3.242211
logepugbl	3.445616	7.40475	0.47	0.642	-11.15196	18.04319
globalip	-1.101285	.5321412	-2.07	0.040	-2.150337	-.0522324
_cons	1.296609	45.56975	0.03	0.977	-88.53865	91.13187

(e(Lags) = 4 added)
(e(R2) = .20020982 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 10.632, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.283

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	28.95
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.3122

phil2m	Drisc/Kraay					[95% Conf. Interval]	
	Coef.	Std. Err.	t	P> t			
ustpl2m	-.7320003	.3080346	-2.38	0.018	-1.339253	-.1247471	
usyp12m	-.0682796	.0280148	-2.44	0.016	-.1235073	-.0130519	
cbp	-.0399426	.0219243	-1.82	0.070	-.0831637	.0032785	
inf	3.831939	1.672169	2.29	0.023	.5354599	7.128418	
une	8.288237	1.424557	5.82	0.000	5.479895	11.09658	
zfx	-7.464837	4.084654	-1.83	0.069	-15.51724	.5875666	
logvix	80.66993	11.03232	7.31	0.000	58.92105	102.4188	
logepuus	12.41397	3.994552	3.11	0.002	4.539191	20.28875	
logepugbl	-5.256415	9.517547	-0.55	0.581	-24.01911	13.50628	
globalip	3.474315	.634005	5.48	0.000	2.224451	4.72418	
_cons	-257.6459	56.77119	-4.54	0.000	-369.5635	-145.7284	

(e(Lags) = 4 added)

(e(R2) = .31223495 added)

(e(Countries) = 15 added)

(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 12.952, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.268

(note: file x.tex not found)

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/f_ycdcmply.t

> ex was replaced)

```

Regression with Driscoll-Kraay standard errors      Number of obs      =      2194
Method: Fixed-effects regression                  Number of groups   =       15
Group variable (i): imf                          F( 10,   209)      =    247.74
maximum lag: 4                                     Prob > F           =    0.0000
                                                within R-squared   =    0.8013

```

nom24m	Drisc/Kraay					[95% Conf. Interval]	
	Coef.	Std. Err.	t	P> t			
ustp24m	1.585936	.2248715	7.05	0.000	1.142629	2.029243	
usyp24m	-.0299349	.0372631	-0.80	0.423	-.1033945	.0435248	
cbp	.6350625	.0295266	21.51	0.000	.5768544	.6932706	
inf	8.9119	2.252182	3.96	0.000	4.471996	13.3518	
une	9.392996	2.90513	3.23	0.001	3.665884	15.12011	
zfx	27.17778	4.837422	5.62	0.000	17.64138	36.71417	
logvix	46.40735	8.161026	5.69	0.000	30.31887	62.49583	
logepuus	8.422782	3.821751	2.20	0.029	.8886595	15.9569	
logepugbl	-60.38536	13.68583	-4.41	0.000	-87.36533	-33.40539	
globalip	2.607641	.6774762	3.85	0.000	1.272078	3.943203	
_cons	213.6429	75.88698	2.82	0.005	64.04083	363.2449	

```

(e(Lags) = 4 added)
(e(R2) = .80125949 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

```

added macro:

```
e(FE) : "Yes"
```

Pesaran's test of cross sectional independence = 5.038, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.230

```

Regression with Driscoll-Kraay standard errors      Number of obs      =      2194
Method: Fixed-effects regression                  Number of groups   =       15
Group variable (i): imf                          F( 10,   209)      =    240.38
maximum lag: 4                                     Prob > F           =    0.0000
                                                within R-squared   =    0.7400

```


dyp24m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustp24m	1.570714	.2166822	7.25	0.000	1.143551	1.997877
usyp24m	-.0494582	.0376735	-1.31	0.191	-.1237271	.0248106
cbp	.7159099	.040572	17.65	0.000	.6359271	.7958927
inf	-.7590548	3.61158	-0.21	0.834	-7.878849	6.36074
une	-5.516551	2.928417	-1.88	0.061	-11.28957	.2564702
zfx	38.28276	5.440103	7.04	0.000	27.55826	49.00727
logvix	-28.91445	12.44854	-2.32	0.021	-53.45524	-4.373655
logepuus	-2.55777	5.039641	-0.51	0.612	-12.49281	7.377274
logepugbl	-48.3651	12.19698	-3.97	0.000	-72.40998	-24.32021
globalip	-.7196804	.8810557	-0.82	0.415	-2.456576	1.017215
_cons	463.651	62.65702	7.40	0.000	340.1302	587.1717

(e(Lags) = 4 added)
(e(R2) = .74002445 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 10.362, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.287

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	22.27
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.2194

dtp24m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustp24m	.7018046	.1256963	5.58	0.000	.4540095	.9495997
usyp24m	.077217	.0203878	3.79	0.000	.0370248	.1174091
cbp	-.0326793	.0227475	-1.44	0.152	-.0775233	.0121647
inf	7.972128	2.156208	3.70	0.000	3.721423	12.22283
une	4.993942	1.543861	3.23	0.001	1.950407	8.037477
zfx	5.041302	2.918803	1.73	0.086	-.7127656	10.79537
logvix	.3907228	7.85425	0.05	0.960	-15.09298	15.87443
logepuus	-5.161366	3.001608	-1.72	0.087	-11.07868	.7559422
logepugbl	-6.331529	7.535536	-0.84	0.402	-21.18693	8.523872

globalip	-.0051339	.50673	-0.01	0.992	-1.004091	.9938231
_cons	9.213644	44.0197	0.21	0.834	-77.56589	95.99318

(e(Lags) = 4 added)
(e(R2) = .21940489 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 10.306, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.256

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	35.35
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.3411

phi24m	Coef.	Drisc/Kraay Std. Err.	t	P> t	[95% Conf. Interval]	
ustp24m	-.6711587	.1904575	-3.52	0.001	-1.046623	-.2956947
usyp24m	-.0760259	.0297602	-2.55	0.011	-.1346946	-.0173572
cbp	-.0171267	.0241456	-0.71	0.479	-.0647268	.0304734
inf	3.21425	1.916499	1.68	0.095	-.5638973	6.992398
une	9.203105	1.727793	5.33	0.000	5.79697	12.60924
zfx	-8.465352	3.862868	-2.19	0.030	-16.08053	-.8501731
logvix	76.84461	10.78537	7.12	0.000	55.58256	98.10666
logepuus	13.09444	3.743859	3.50	0.001	5.713871	20.475
logepugbl	-4.154547	9.709954	-0.43	0.669	-23.29655	14.98746
globalip	3.031577	.671289	4.52	0.000	1.708211	4.354942
_cons	-260.4612	58.51959	-4.45	0.000	-375.8255	-145.0969

(e(Lags) = 4 added)
(e(R2) = .34114069 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 13.223, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.271

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/f_ycdcmp2y.t
> ex was replaced)

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	133.87
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.7427

nom60m	Drisc/Kraay		t	P> t	[95% Conf. Interval]	
	Coef.	Std. Err.				
ustp60m	1.266075	.1687681	7.50	0.000	.9333695	1.598781
usyp60m	.0421427	.0565232	0.75	0.457	-.069286	.1535715
cbp	.4077729	.0296674	13.74	0.000	.3492873	.4662585
inf	12.33968	2.326259	5.30	0.000	7.753739	16.92562
une	18.55587	3.111564	5.96	0.000	12.4218	24.68995
zfx	33.70304	5.2813	6.38	0.000	23.29159	44.11449
logvix	57.65502	9.945642	5.80	0.000	38.04839	77.26166
logepuus	8.974281	4.875684	1.84	0.067	-.6375426	18.5861
logepugbl	-66.10585	16.51795	-4.00	0.000	-98.669	-33.54271
globalip	2.324024	.8362343	2.78	0.006	.675489	3.972559
_cons	281.778	83.03886	3.39	0.001	118.0769	445.4791

(e(Lags) = 4 added)

(e(R2) = .7427448 added)

(e(Countries) = 15 added)

(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 8.312, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.238

```

Regression with Driscoll-Kraay standard errors
Method: Fixed-effects regression
Group variable (i): imf
maximum lag: 4
Number of obs      =      2194
Number of groups   =       15
F( 10, 209)       =     181.65
Prob > F           =      0.0000
within R-squared   =      0.7322

```

dyp60m	Drisc/Kraay		t	P> t	[95% Conf. Interval]	
	Coef.	Std. Err.				
ustp60m	1.034314	.125163	8.26	0.000	.7875699	1.281057
usyp60m	.0276158	.0439428	0.63	0.530	-.0590121	.1142437
cbp	.6035084	.0366845	16.45	0.000	.5311893	.6758274
inf	-.933028	3.203352	-0.29	0.771	-7.248051	5.381995
une	-3.622746	2.810612	-1.29	0.199	-9.163529	1.918037
zfx	40.88044	5.056638	8.08	0.000	30.91189	50.84899
logvix	-29.44324	11.34153	-2.60	0.010	-51.80169	-7.084779
logepuus	-3.583132	4.271967	-0.84	0.403	-12.0048	4.838536
logepugbl	-40.05235	11.79989	-3.39	0.001	-63.31441	-16.7903
globalip	-.4094267	.8295816	-0.49	0.622	-2.044847	1.225993
_cons	441.7956	53.72926	8.22	0.000	335.8749	547.7164

```

(e(Lags) = 4 added)
(e(R2) = .7321523 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

```

added macro:

```
e(FE) : "Yes"
```

Pesaran's test of cross sectional independence = 7.162, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.282

```

Regression with Driscoll-Kraay standard errors
Method: Fixed-effects regression
Group variable (i): imf
maximum lag: 4
Number of obs      =      2194
Number of groups   =       15
F( 10, 209)       =     39.83
Prob > F           =      0.0000
within R-squared   =      0.3657

```

dtp60m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustp60m	.7711596	.0628502	12.27	0.000	.6472581	.8950612
usyp60m	.1138832	.0347309	3.28	0.001	.0454155	.1823509
cbp	-.1500865	.022547	-6.66	0.000	-.1945351	-.1056379
inf	8.690702	1.934808	4.49	0.000	4.876461	12.50494
une	10.5663	1.284276	8.23	0.000	8.034503	13.0981
zfx	4.060677	2.521847	1.61	0.109	-.9108415	9.032195
logvix	25.77824	7.185934	3.59	0.000	11.61203	39.94444
logepuus	-.1339905	2.924194	-0.05	0.963	-5.898686	5.630705
logepugbl	-19.45407	8.057081	-2.41	0.017	-35.33764	-3.570512
globalip	.9011898	.378736	2.38	0.018	.1545575	1.647822
_cons	31.60458	44.99558	0.70	0.483	-57.0988	120.3079

(e(Lags) = 4 added)
(e(R2) = .36574536 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 5.870, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.243

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	17.48
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.3014

phi60m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustp60m	-.5334829	.1321679	-4.04	0.000	-.794036	-.2729298
usyp60m	-.1197099	.0358607	-3.34	0.001	-.1904049	-.0490149
cbp	-.0229165	.0198087	-1.16	0.249	-.0619669	.016134
inf	4.414584	1.613916	2.74	0.007	1.232943	7.596225
une	11.09775	2.048697	5.42	0.000	7.058988	15.13651
zfx	-8.173037	3.282528	-2.49	0.014	-14.64414	-1.701929
logvix	61.94501	9.69205	6.39	0.000	42.8383	81.05172
logepuus	10.86156	3.57697	3.04	0.003	3.80999	17.91312
logepugbl	-8.347176	9.52398	-0.88	0.382	-27.12255	10.4282

globalip	1.857033	.7459426	2.49	0.014	.3864973	3.327569
_cons	-174.7599	55.90221	-3.13	0.002	-284.9644	-64.55545

(e(Lags) = 4 added)
(e(R2) = .30141994 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 15.424, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.241

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/f_ycdcmp5y.t
> ex was replaced)

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	82.07
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.6821

noml20m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustpl20m	.9730516	.1417429	6.86	0.000	.6936225	1.252481
usyp120m	.1687926	.0948802	1.78	0.077	-.0182522	.3558374
cbp	.2366829	.0266326	8.89	0.000	.1841801	.2891858
inf	15.2571	2.271557	6.72	0.000	10.779	19.7352
une	23.87637	3.429061	6.96	0.000	17.11639	30.63635
zfx	41.57516	5.741813	7.24	0.000	30.25587	52.89445
logvix	49.95445	12.62612	3.96	0.000	25.06358	74.84533
logepuus	7.078229	5.577119	1.27	0.206	-3.916389	18.07285
logepugbl	-61.04442	20.50762	-2.98	0.003	-101.4727	-20.61611
globalip	1.158105	1.131884	1.02	0.307	-1.073268	3.389478
_cons	321.8531	95.50047	3.37	0.001	133.5854	510.1207

(e(Lags) = 4 added)
(e(R2) = .68208772 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 11.291, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.241

Regression with Driscoll-Kraay standard errors	Number of obs	=	2194
Method: Fixed-effects regression	Number of groups	=	15
Group variable (i): imf	F(10, 209)	=	136.77
maximum lag: 4	Prob > F	=	0.0000
	within R-squared	=	0.7230

dyp120m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustp120m	.6608971	.0963661	6.86	0.000	.470923	.8508712
usyp120m	.1326502	.062611	2.12	0.035	.0092202	.2560802
cbp	.5004924	.0311793	16.05	0.000	.4390262	.5619585
inf	-1.24064	2.699343	-0.46	0.646	-6.562069	4.080789
une	-1.431555	2.738927	-0.52	0.602	-6.83102	3.967909
zfx	45.82282	5.035493	9.10	0.000	35.89595	55.74969
logvix	-28.79196	10.2407	-2.81	0.005	-48.98026	-8.603663
logepuus	-4.336625	3.820544	-1.14	0.258	-11.86837	3.195117
logepugbl	-37.15575	11.87892	-3.13	0.002	-60.57361	-13.7379
globalip	-.0939949	.8440469	-0.11	0.911	-1.757932	1.569942
_cons	374.6399	47.22894	7.93	0.000	281.5337	467.746

(e(Lags) = 4 added)

(e(R2) = .72298329 added)

(e(Countries) = 15 added)

(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 3.927, Pr = 0.0001

Average absolute value of the off-diagonal elements = 0.256

```

Regression with Driscoll-Kraay standard errors
Method: Fixed-effects regression
Group variable (i): imf
maximum lag: 4
Number of obs      =      2194
Number of groups   =       15
F( 10, 209)       =     90.30
Prob > F           =     0.0000
within R-squared   =     0.4805

```

dtp120m	Drisc/Kraay					[95% Conf. Interval]	
	Coef.	Std. Err.	t	P> t			
ustp120m	.7277949	.0531115	13.70	0.000	.6230919	.8324979	
usyp120m	.2092127	.0522126	4.01	0.000	.1062818	.3121436	
cbp	-.1994587	.0227926	-8.75	0.000	-.2443917	-.1545258	
inf	10.011	1.989657	5.03	0.000	6.088628	13.93337	
une	13.16357	1.254526	10.49	0.000	10.69043	15.63672	
zfx	9.598821	2.250584	4.27	0.000	5.162065	14.03558	
logvix	37.60678	8.118956	4.63	0.000	21.60123	53.61232	
logepuus	.2197977	2.92791	0.08	0.940	-5.552223	5.991818	
logepugbl	-21.37302	8.885975	-2.41	0.017	-38.89065	-3.855391	
globalip	.71256	.3562823	2.00	0.047	.0101924	1.414928	
_cons	58.82453	48.94814	1.20	0.231	-37.67082	155.3199	

```

(e(Lags) = 4 added)
(e(R2) = .48054096 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

```

added macro:

```
e(FE) : "Yes"
```

Pesaran's test of cross sectional independence = 3.249, Pr = 0.0012

Average absolute value of the off-diagonal elements = 0.250

```

Regression with Driscoll-Kraay standard errors
Method: Fixed-effects regression
Group variable (i): imf
maximum lag: 4
Number of obs      =      2194
Number of groups   =       15
F( 10, 209)       =     8.44
Prob > F           =     0.0000
within R-squared   =     0.2420

```


phi120m	Drisc/Kraay					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
ustpl20m	-.3675472	.1015443	-3.62	0.000	-.5677295	-.1673649
usyp120m	-.2123474	.0530267	-4.00	0.000	-.3168832	-.1078116
cbp	-.0343389	.0139832	-2.46	0.015	-.0619052	-.0067727
inf	5.691786	1.478152	3.85	0.000	2.777787	8.605784
une	10.92943	2.108399	5.18	0.000	6.772977	15.08589
zfx	-10.01594	3.273255	-3.06	0.003	-16.46877	-3.56311
logvix	41.63837	8.964945	4.64	0.000	23.96506	59.31168
logepuus	10.64031	3.740171	2.84	0.005	3.267012	18.01361
logepugbl	-7.440597	9.622018	-0.77	0.440	-26.40925	11.52805
globalip	.7333769	.8638352	0.85	0.397	-.9695701	2.436324
_cons	-76.18347	50.19122	-1.52	0.131	-175.1294	22.76248

(e(Lags) = 4 added)
(e(R2) = .24201426 added)
(e(Countries) = 15 added)
(e(Obs) = 2194 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 14.976, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.248

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/f_ycdcmp10y.

> tex was replaced)

183 . erase x.tex

184 . * -----
> ----

185 .
end of do-file

186 . log close
name: <unnamed>
log: /Users/Pavel/Documents/GitHub/Book/Ch_Synthetic/Docs/Tables/impac
> t_regs.smcl
log type: smcl
closed on: 6 Feb 2021, 19:16:42