
```

        name: <unnamed>
        log: /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Tab
> les/impact_regs.smcl
    log type: smcl
    opened on: 5 Oct 2021, 11:54:26

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

3 . * =====
> =====
4 . * Local projections: Forward premium
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 . local vars rho

14 .
15 . 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.

```

```

16 .          // regressions
17 .          foreach v in `vars' {
18 .              11.          foreach t in 24 120 { // 3 6 12 24 60 120 {
19 .                  12.
20 .                      // variables to store the betas and confidence inte
21 .                      > rvals
22 .                      capture {
23 .                          13.          foreach shock in mp1 path lsap {
24 .                              14.          gen b_`shock'`_v'`t'm = .
25 .                              15.          gen ll1_`shock'`_v'`t'm = .
26 .                              16.          gen ull_`shock'`_v'`t'm = .
27 .                              17.          } // `shock'
28 .                              18.          }
29 .                              19.
30 .                      // controls
31 .                      local ctrl`v'`t'm l(1/`maxlag').d`v'`t'm l(1/`maxla
32 .                      > g').fx // l(2).`v'`t'm l(1).fx
33 .                      20.
34 .                      forvalues h = 0/$horizon {
35 .                          21.          // response variables
36 .                          22.          capture gen `v'`t'm`h' = (f`h'.`v'`t'm - l.
37 .                          > `v'`t'm)
38 .                          23.
39 .                          // conditions
40 .                          24.          local condition em == `group' // & `
41 .                          > datecond' & `region' == 4
42 .                          25.
43 .                          // one regression for each horizon
44 .                          26.          if `h' == 0 {
45 .                              27.          `xtcmd' `v'`t'm`h' mp1 path lsap
46 .                              > `ctrl`v'`t'm' if `condition', `xtopt' // on-impact effect
47 .                              28.          foreach shock in mp1 path lsap {
48 .                                  29.          local pvalue = (2 * ttai
49 .                                  > l(e(df_r),abs(_b[`shock']/_se[`shock'])))
50 .                                  30.          if `pvalue' < 0.1 local
51 .                                  > `shock'`t' = -1*_b[`shock']
52 .                                  31.          else local `shock'`t' =
53 .                                  > 0
54 .                                  32.          }
55 .                                  33.          }
56 .                                  34.          quiet `xtcmd' `v'`t'm`h' mp1 path lsap `
57 .                                  > ctrl`v'`t'm' if `condition', `xtopt'
58 .                                  35.

```

```

28 .                                capture {
    33.                                foreach shock in mp1 path lsap {
    34.                                    replace b_`shock'__v'`t'm = -1*
> _b[`shock'] if _n == `h'+1
    35.
29 .                                // confidence intervals
30 .                                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),"u1"),colnumb(matrix(R),"`shock')) if _n =
> = `h'+1
    38.                                }                                // `shock'
    39.                                drop `v'`t'm`h'
    40.                                }
    41.                                }                                // `h' horizon
    42.                                }                                // `t' tenor
    43.
31 .                                // graphs
32 .                                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.
33 .                                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(g
> s6) lpattern(dash)) ///
>
>                                (line u11_`shock'__v'`t'm days, lco
> lor(gs6) lpattern(dash)) ///
>
>                                (line b_`shock'__v'`t'm days, lcolo
> r(blue*1.25) lpattern(solid) lwidth(thick)) ///
>
>                                (line zero days, lcolor(black)), //
> /
>
>                                `yxtitles' xlabel(0(15)$horizon, nogrid) ylabel(``s
> hock'`t' " {bf:{&rArr}}", add custom labcolor(red) tlcolor(red) nogrid) ///
>
>                                graphregion(color(white)) plotregion(color(white))
> legend(off) name(`v'`t'm, replace) ///
>
>                                title(`ty' Years, color(black) size(medium))
>
>                                // for rho version

```

```

56.
34 . //                                graph export $pathfigs/LPs/`shk'/'`grp'/'`v'`
> t'm.eps, replace
35 .                                local graphs`shock'`grp' `graphs`shock'`grp'' `v'`t
> 'm                                // for rho version
57.
36 .                                drop *`_`shock'`_`v'`t'm                                //
> b_ and confidence intervals
58.                                }                                // `t' tenor
59.
37 .                                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    =    5150
> 9
Method: Fixed-effects regression                Number of groups =    1
> 0
Group variable (i): imf                        F( 5, 5404)      =    25.8
> 7
maximum lag: 9                                    Prob > F          =    0.000
> 0
                                                    within R-squared =    0.035
> 1

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -	rho24m0						
>]							
> -	mp1	-.3937591	.1253811	-3.14	0.002	-.6000281	-.187490
> 1	path	-.4464308	.0742677	-6.01	0.000	-.5686112	-.324250
> 4	lsap	-.3333414	.1230634	-2.71	0.007	-.5357974	-.130885
> 4							
	drho24m						
	L1.	-.0929716	.01638	-5.68	0.000	-.119919	-.066024
> 2							
	fx						

```

> 6      L1. | .0092115 .0062579 1.47 0.141 -.0010837 .019506
> 9      _cons | -.1316685 .0988236 -1.33 0.183 -.2942468 .030909
> -

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   5150
> 9
Method: Fixed-effects regression               Number of groups =     1
> 0
Group variable (i): imf                        F( 5, 5404)      =   70.9
> 2
maximum lag: 9                                   Prob > F          =   0.000
> 0
                                                within R-squared =   0.054
> 6

```

```

> -
> 1      rhol20m0 |               Drisc/Kraay
> 1      Coefficient std. err.      t    P>|t|      [90% conf. interval
> 1
> -
> 2      mp1 | -.3343618 .0944248 -3.54 0.000  -.4897033  -.179020
> 2
> 9      path | -.4224202 .0724732 -5.83 0.000  -.5416485  -.303191
> 9
> 7      lsap | -.8392125 .1058244 -7.93 0.000  -1.013308  -.66511
> 7
> 1      drhol20m
> 1      L1. | -.1630887 .0136096 -11.98 0.000  -.1854783  -.140699
> 1
> 3      fx
> 3      L1. | .0079271 .0070822 1.12 0.263  -.0037241  .019578
> 3
> 1      _cons | -.1214874 .1108945 -1.10 0.273  -.3039239  .060949
> 1
> -

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(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/AE/TargetAerho.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/AE/TargetAerho.eps saved as EPS format
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/AE/PathAerho.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/AE/PathAerho.eps saved as EPS format
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  > s/LSAP/AE/LSAPAerho.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/AE/LSAPAerho.eps saved as EPS format

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =      6096
> 8
Method: Fixed-effects regression                Number of groups =         1
> 5
Group variable (i): imf                          F(   5,   5404)   =      20.6
> 2
maximum lag: 9                                    Prob > F          =      0.000
> 0
                                                    within R-squared =      0.011
> 0

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -	rho24m0						
>]							
> -	mp1	-.574985	.1775334	-3.24	0.001	-.8670516	-.282918
> 4	path	-.5009861	.0944033	-5.31	0.000	-.6562923	-.345679
> 8	lsap	-.2884534	.1225911	-2.35	0.019	-.4901323	-.086774
> 4							
	drho24m						
	L1.	-.0901885	.0395511	-2.28	0.023	-.1552554	-.025121
> 6							
	fx						

```

> 5      L1. |  -.0001074   .0001325   -0.81   0.417   -.0003254   .000110
> 3      _cons |   .084404   .1982683    0.43   0.670   -.2417744   .410582
> -

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   6096
> 8
Method: Fixed-effects regression                Number of groups =     1
> 5
Group variable (i): imf                          F( 5, 5404)      =   29.9
> 0
maximum lag: 9                                    Prob > F          =   0.000
> 0
                                                    within R-squared =   0.037
> 1

```

```

> -
>      rho120m0 |               Drisc/Kraay
>      Coefficient  std. err.      t    P>|t|      [90% conf. interval
> ]
> -
>      mp1 |  -.3856152   .1884598   -2.05   0.041   -.6956572   -.075573
> 3
>      path |  -.6293815   .1345218   -4.68   0.000   -.850688   -.408074
> 9
>      lsap |  -.7491825   .1464569   -5.12   0.000   -.990124   -.50824
> 1
>      drho120m
>      L1. |  -.1767575   .0190823   -9.26   0.000   -.2081505   -.145364
> 6
>      fx
>      L1. |  -.0000456   .0001024   -0.45   0.656   -.0002141   .000122
> 8
>      _cons |   .0266276   .1683039    0.16   0.874   -.2502551   .303510
> 4
> -

```

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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/EM/TargetEMrho.eps not found)
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  > s/Target/EM/TargetEMrho.eps saved as EPS format
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/EM/PathEMrho.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/EM/PathEMrho.eps saved as EPS format
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/EM/LSAPEMrho.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/EM/LSAPEMrho.eps saved as EPS format

38 .
    end of do-file

39 . do "$pathcode/spov_combined_group"

40 . * =====
    > =====
41 . * Local projections: AE and EM
42 . * =====
    > =====
43 . use $file_dta2, clear

44 .
45 .
46 . * Define local variables
47 . local xtcmd xtsc                      // xtreg

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

```



```

49 . local maxlag = 1

50 .
51 . foreach group in 0 1 {
    2.         if `group' == 0 {
    3.             local grp "AE"
    4.             local vars nom dyp dtp // nom usyc rho phi // nom
    > syn rho phi
    5.             local region regionae
    6.         }
    7.         else {
    8.             local grp "EM"
    9.             local vars nom dyp dtp phi // nom usyc rho phi //
    > nom syn rho phi
    10.            local region regionem
    11.        }
    12.
52 .        foreach t in 24 120 {
    13.            // regressions
53 .            foreach v in `vars' {
    14.
54 .                // variables to store the betas and confidence inte
    > rvals
55 .                capture {
    15.                    foreach shock in mp1 path lsap {
    16.                        gen b_`shock'`_v'`t'm = .
    17.                        gen l1l_`shock'`_v'`t'm = .
    18.                        gen ull_`shock'`_v'`t'm = .
    19.                    } // `shock'
    20.                }
    21.
56 .                // controls
57 .                local ctrl`v'`t'm l(1/`maxlag').d`v'`t'm l(1/`maxla
    > g').fx
    22.
58 .                forvalues h = 0/$horizon {
    23.                    // response variables

```

```

59 .                                capture gen `v'`t'm`h' = (f`h'.`v'`t'm - l.
    > `v'`t'm)
    24.
60 .                                // conditions
61 .                                local condition em == `group'    // & `regio
    > n' == 4
    25.
62 .                                // one regression for each horizon
63 .                                if `h' == 0 {
    26.                                `xtcmd' `v'`t'm`h' mp1 path lsap
    > `ctrl`v'`t'm' if `condition', `xtopt'    // on-impact effect
    27.                                foreach shock in mp1 path lsap {
    28.                                local pvalue = (2 * ttai
    > l(e(df_r),abs(_b[`shock']/_se[`shock'])))
    29.                                if `pvalue' < 0.1 local
    > `shock'`v' = -1*_b[`shock']
    30.                                else local `shock'`v' =
    > 0
    31.                                }
    32.                                }
    33.                                quiet `xtcmd' `v'`t'm`h' mp1 path lsap `
    > ctrl`v'`t'm' if `condition', `xtopt'
    34.
64 .                                capture {
    35.                                foreach shock in mp1 path lsap {
    36.                                replace b_`shock'`v'`t'm = -1*
    > _b[`shock'] if _n == `h'+1
    37.
65 .                                // confidence intervals
66 .                                matrix R = r(table)
    38.                                replace l11_`shock'`v'`t'm = -1
    > *el(matrix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n =
    > = `h'+1
    39.                                replace u11_`shock'`v'`t'm = -1
    > *el(matrix(R),rownumb(matrix(R),"u1"),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.

```

```

67 .          // graphs
68 .          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.
69 .          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(
> medsmall))
        56.              twoway (line l1l_`shock'`v'`t'm days,
> lcolor(gs6) lpattern(dash)) ///
> (line u1l_`shock'`v'`t'm d
> ays, lcolor(gs6) lpattern(dash)) ///
> (line b_`shock'`v'`t'm day
> s, lcolor(blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(bla
> ck)), ///
> `yxtitles' xlabel(0(15)$horizon, nogrid) yl
> abel("`shock'`v'" "{bf:{&rArr}}", add custom labcolor(red) tlcolor(red) nog
> rid) ///
> graphregion(color(white)) plotregion(color(
> white)) legend(off) name(`v'`t'm, replace) ///
> title(`: variable label `v'`t'm', color(bla
> ck) size(medium))
        57.
70 . //          graph export $pathfigs/LPs/`shk'/'grp'/'v'`
> t'm.eps, replace
71 .          local graphs`shock'`grp'`t' `graphs`shock'`
> grp'`t' `v'`t'm
        58.          drop *_`shock'`v'`t'm
>          // b_ and confidence intervals
        59.          }          // `v' yield component
        60.

```

```

72 .               graph combine `graphs`shock``grp``t'', rows(1) ycom
> mon
61.               graph export $pathfigs/LPs/`shk'/'`grp'/'`shk'`grp
> 'nomyptphi`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   =   5376
> 8
Method: Fixed-effects regression               Number of groups =    1
> 0
Group variable (i): imf                        F( 5, 5404)      =   17.1
> 5
maximum lag: 9                                   Prob > F          =   0.000
> 0
                                                within R-squared =   0.012
> 9

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -	nom24m0						
>]							
> -	mp1	.1576727	.0492998	3.20	0.001	.0765679	.238777
> 6	path	.1843061	.0333855	5.52	0.000	.1293825	.239229
> 7	lsap	.1376508	.0771361	1.78	0.074	.0107514	.264550
> 1							
	dnom24m						
	L1.	.0652072	.0095116	6.86	0.000	.0495594	.08085
> 5							
	fx						
	L1.	.0019798	.0016337	1.21	0.226	-.0007078	.004667
> 4							
	_cons	-.1041401	.0431555	-2.41	0.016	-.1751367	-.033143
> 5							
> -							

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    5376
> 8
Method: Fixed-effects regression                Number of groups =     1
> 0
Group variable (i): imf                        F( 5, 5404)      =    20.2
> 7
maximum lag: 9                                   Prob > F         =    0.000
> 0
                                                within R-squared =    0.013
> 0

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -	dyp24m0						
>]							
> -	mp1	.1546644	.0386504	4.00	0.000	.0910793	.218249
> 5	path	.1393694	.0278843	5.00	0.000	.0934958	.185242
> 9	lsap	.0429424	.0475188	0.90	0.366	-.0352325	.121117
> 3	ddyp24m						
	L1.	.0728911	.0103025	7.08	0.000	.0559421	.089840
> 2	fx						
	L1.	.0012259	.001323	0.93	0.354	-.0009506	.003402
> 4							
	_cons	-.079412	.0352056	-2.26	0.024	-.1373301	-.021493
> 9							
> -							

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    5376
> 8
Method: Fixed-effects regression                Number of groups =     1
> 0
Group variable (i): imf                        F( 5, 5404)      =    11.0
> 2
maximum lag: 9                                   Prob > F         =    0.000
> 0
                                                within R-squared =    0.006
> 4

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
<hr/>						
> -	ntp24m0					
>]						
<hr/>						
> -	mp1	.0069678	.01095	0.64	0.525	-.0110464 .02498
> 2	path	.048837	.0085908	5.68	0.000	.034704 .0629
> 7	lsap	.0851685	.0279658	3.05	0.002	.0391611 .13117
> 6						
	ddtp24m					
	L1.	.0365861	.0108643	3.37	0.001	.0187129 .054459
> 4						
	fx					
	L1.	.0006104	.0006238	0.98	0.328	-.0004157 .001636
> 6						
	_cons	-.0214119	.0131097	-1.63	0.102	-.0429791 .000155
> 3						
<hr/>						
> -						

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(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/AE/TargetAEnomytpphi24m.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/AE/TargetAEnomytpphi24m.eps saved as EPS format
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/AE/PathAEnomytpphi24m.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/AE/PathAEnomytpphi24m.eps saved as EPS format
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/AE/LSAPAEnomytpphi24m.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/AE/LSAPAEnomytpphi24m.eps saved as EPS format

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   5376
> 8
Method: Fixed-effects regression                Number of groups =    1
> 0
Group variable (i): imf                          F( 5, 5404)      =   13.3
> 1
maximum lag: 9                                    Prob > F          =   0.000
> 0
                                                    within R-squared =   0.011
> 6

```

		Drisc/Kraay				
	Coefficient	std. err.	t	P> t	[90% conf. interval	
nom120m0						
mp1	.0325495	.0533592	0.61	0.542	-.0552336	.120332
path	.2317291	.038869	5.96	0.000	.1677844	.295673
lsap	.4508055	.1073634	4.20	0.000	.2741781	.627432
dnom120m						
L1.	.0253574	.0097054	2.61	0.009	.0093906	.041324
fx						

```

      L1. | .0025616 .0028539 0.90 0.369 -.0021334 .007256
> 6
      _cons | -.1189773 .0607984 -1.96 0.050 -.2189989 -.018955
> 6
      |
> -

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   5376
> 8
Method: Fixed-effects regression               Number of groups =    1
> 0
Group variable (i): imf                        F( 5, 5404)      =   16.0
> 8
maximum lag: 9                                   Prob > F          =   0.000
> 0
                                                within R-squared =   0.010
> 1

```

```

> -
      |
      |               Drisc/Kraay
      | Coefficient  std. err.      t    P>|t|      [90% conf. interval
> 1
      |-----|-----|-----|-----|-----|-----|
> -
      |               |
      | mp1 | .0789471 .0292848 2.70 0.007 .0307697 .127124
> 5
      | path | .1114589 .0194133 5.74 0.000 .0795213 .143396
> 4
      | lsap | .073278 .0388159 1.89 0.059 .0094206 .137135
> 3
      |               |
      | ddyp120m |
      | L1. | .0529126 .0095682 5.53 0.000 .0371716 .068653
> 5
      |               |
      | fx |
      | L1. | .0009057 .0008685 1.04 0.297 -.0005231 .002334
> 5
      | _cons | -.0565141 .0244514 -2.31 0.021 -.09674 -.016288
> 2
      |
> -

```



```

Regression with Driscoll-Kraay standard errors   Number of obs   =   5376
> 8
Method: Fixed-effects regression               Number of groups =    1
> 0
Group variable (i): imf                       F( 5, 5404)      =   17.2
> 1
maximum lag: 9                                  Prob > F         =   0.000
> 0
                                                within R-squared =   0.012
> 0

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -							
	dtpl120m0						
>]							
> -							
	mpl	-.0467416	.0294031	-1.59	0.112	-.0951137	.001630
> 4							
	path	.1266511	.0253656	4.99	0.000	.0849213	.16838
> 1							
	lsap	.3748443	.0796456	4.71	0.000	.2438166	.505872
> 1							
	ddtpl120m						
	L1.	.0547802	.0105307	5.20	0.000	.0374557	.072104
> 7							
	fx						
	L1.	.0013989	.0024479	0.57	0.568	-.0026282	.005426
> 1							
	_cons	-.0559028	.047301	-1.18	0.237	-.1337194	.021913
> 7							
> -							

```

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```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =      6712
> 1
Method: Fixed-effects regression                Number of groups =         1
> 5
Group variable (i): imf                          F(   5,   5404)   =       5.6
> 5
maximum lag: 9                                    Prob > F          =       0.000
> 0
                                                    within R-squared =       0.002
> 8

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -	nom24m0						
>]							
> -	mp1	.1651127	.0534069	3.09	0.002	.0772511	.252974
> 3	path	.123251	.0583473	2.11	0.035	.0272618	.219240
> 2	lsap	.1350852	.0631669	2.14	0.033	.0311672	.239003
> 3							
	dnom24m						
	L1.	-.0444987	.0222736	-2.00	0.046	-.0811418	-.007855
> 6							
	fx						

> 8	L1.	-.0000586	.0000769	-0.76	0.446	-.0001852	.00006
> 8	_cons	-.0366366	.1034835	-0.35	0.723	-.206881	.133607

> -

Regression with Driscoll-Kraay standard errors	Number of obs	=	6118
> 4			
Method: Fixed-effects regression	Number of groups	=	1
> 5			
Group variable (i): imf	F(5, 5404)	=	3.0
> 7			
maximum lag: 9	Prob > F	=	0.008
> 9			
	within R-squared	=	0.007
> 1			

> -							
		Drisc/Kraay					
	dyp24m0	Coefficient	std. err.	t	P> t	[90% conf. interval	
> 1							
> -							
> 5	mp1	.0729943	.0849172	0.86	0.390	-.066706	.212694
> 3	path	.0162745	.0899767	0.18	0.856	-.1317493	.164298
> 2	lsap	.223108	.1662752	1.34	0.180	-.0504372	.496653
> 8	ddyp24m L1.	-.0838658	.0264082	-3.18	0.002	-.1273109	-.040420
> 1	fx L1.	-.0001029	.0000997	-1.03	0.302	-.0002669	.000061
> 7	_cons	.0356377	.1440424	0.25	0.805	-.2013317	.27260
> -							

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    6118
> 4
Method: Fixed-effects regression                Number of groups =     1
> 5
Group variable (i): imf                        F( 5, 5404)      =    32.7
> 5
maximum lag: 9                                   Prob > F         =    0.000
> 0
                                                    within R-squared =    0.078
> 8

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -	ntp24m0						
>]							
> -	mp1	-.0561319	.1065155	-0.53	0.598	-.2313644	.119100
> 6	path	-.0163022	.0647036	-0.25	0.801	-.1227484	.09014
> 4	lsap	.0405921	.1103111	0.37	0.713	-.1408846	.222068
> 7							
	ddtp24m						
	L1.	-.2804575	.0221549	-12.66	0.000	-.3169053	-.244009
> 7							
	fx						
	L1.	.0000815	.0000674	1.21	0.226	-.0000294	.000192
> 4							
	_cons	-.112107	.0945121	-1.19	0.236	-.2675921	.043378
> 2							
> -							

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   5870
> 5
Method: Fixed-effects regression               Number of groups =    1
> 5
Group variable (i): imf                        F( 5, 4985)      =   56.9
> 7
maximum lag: 9                                   Prob > F          =   0.000
> 0
                                                within R-squared  =   0.066
> 4

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
<hr/>						
> -	phi24m0					
>]						
<hr/>						
> -	mp1	.0320985	.1159444	0.28	0.782	-.1586486 .222845
> 6	path	.1155442	.0717005	1.61	0.107	-.0024145 .233502
> 9	lsap	-.1173211	.132793	-0.88	0.377	-.3357867 .101144
> 6						
	dphi24m					
> 6	L1.	-.2571587	.0167012	-15.40	0.000	-.2846348 -.229682
	fx					
> 1	L1.	-.0000225	.0000629	-0.36	0.720	-.000126 .00008
	_cons	.021635	.0991883	0.22	0.827	-.1415455 .184815
> 5						
<hr/>						
> -						

```

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```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =      6712
> 1
Method: Fixed-effects regression                Number of groups =         1
> 5
Group variable (i): imf                        F(   5,   5404)   =         6.8
> 9
maximum lag: 9                                Prob > F          =         0.000
> 0
                                                within R-squared =         0.017
> 7

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
<hr/>						
> -	nom120m0					
<hr/>						
> -	mp1	.1317348	.0936446	1.41	0.160	-.0223232 .285792
> 8	path	.2394331	.0751723	3.19	0.001	.1157645 .363101
> 8	lsap	.1832975	.1314714	1.39	0.163	-.0329907 .399585
> 8						
	dnom120m					
	L1.	-.1293652	.0309042	-4.19	0.000	-.1802068 -.078523
> 7						
	fx					

```

      L1. | -.0000361   .0001016   -0.36   0.723   -.0002032   .000131
> 1
      _cons | -.0638826   .134068   -0.48   0.634   -.2844427   .156677
> 5

```

```

> -

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   6118
> 4
Method: Fixed-effects regression               Number of groups =    1
> 5
Group variable (i): imf                        F( 5, 5404)      =    2.1
> 8
maximum lag: 9                                   Prob > F          =    0.053
> 3
                                                within R-squared =    0.002
> 9

```

```

> -

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[90% conf. interval	
dyp120m0							
> 1							
> -							
mp1		-.0035956	.0571994	-0.06	0.950	-.0976964	.090505
> 2							
path		.0093703	.0545743	0.17	0.864	-.0804118	.099152
> 4							
lsap		.2297236	.0974349	2.36	0.018	.0694299	.390017
> 2							
ddyp120m							
L1.		-.0526223	.0227349	-2.31	0.021	-.0900244	-.015220
> 3							
fx							
L1.		-.0000413	.0000653	-0.63	0.528	-.0001487	.000066
> 2							
_cons		-.0210346	.0988862	-0.21	0.832	-.1837159	.141646
> 7							

```

> -

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   6118
> 4
Method: Fixed-effects regression               Number of groups =    1
> 5
Group variable (i): imf                        F( 5, 5404)      =   45.0
> 1
maximum lag: 9                                   Prob > F          =   0.000
> 0
                                                    within R-squared =   0.045
> 5

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
<hr/>						
> -	dtpl20m0					
>]						
<hr/>						
> -	mp1	-.208039	.0591323	-3.52	0.000	-.3053197 -.110758
> 4	path	-.0138935	.058247	-0.24	0.811	-.1097176 .081930
> 7	lsap	.3941304	.0673369	5.85	0.000	.283352 .504908
> 8						
	ddtp120m					
	L1.	-.2108171	.0157203	-13.41	0.000	-.2366792 -.18495
> 5						
	fx					
	L1.	-4.20e-06	.0000536	-0.08	0.937	-.0000924 .00008
> 4						
	_cons	-.0210202	.0862552	-0.24	0.807	-.1629216 .120881
> 3						
<hr/>						
> -						


```

Regression with Driscoll-Kraay standard errors    Number of obs    =    5870
> 5
Method: Fixed-effects regression                Number of groups =     1
> 5
Group variable (i): imf                        F( 5, 4985)      =    16.2
> 6
maximum lag: 9                                   Prob > F         =    0.000
> 0
                                                within R-squared =    0.099
> 1

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
<hr/>						
> -	phil120m0					
>]						
<hr/>						
> -	mp1	.254269	.086617	2.94	0.003	.1117703 .396767
> 7	path	.1504647	.1138136	1.32	0.186	-.0367768 .337706
> 3	lsap	-.4040349	.1989251	-2.03	0.042	-.7312983 -.076771
> 4						
	dphil120m					
> 7	L1.	-.3134606	.0398403	-7.87	0.000	-.3790042 -.24791
	fx					
> 1	L1.	.000044	.0000815	0.54	0.589	-.0000901 .000178
	_cons	-.0412704	.111143	-0.37	0.710	-.2241184 .141577
> 7						
<hr/>						
> -						

```

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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/EM/LSAPEMnomypptpphil20m.eps saved as 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          // xtsc
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 {
89 .     // regressions
90 .     foreach v in `vars' {
91 .         // variables to store the betas and confidence intervals
92 .         capture {
93 .             foreach shock in mp1 path lsap {
94 .                 gen b_`shock'`_v'`t'm' = .
95 .                 gen ll1_`shock'`_v'`t'm' = .
96 .                 gen ull_`shock'`_v'`t'm' = .
97 .             } // `shock'
98 .         }
99 .         // controls
100 .         local ctrl`v'`t'm' l(1/`maxlag').d`v'`t'm // l(1/`max
> lag').fx
101 .
102 .         forvalues h = 0/$horizon {
103 .             // response variables
104 .             capture gen `v'`t'm'h' = (f`h'.`v'`t'm' - l.`v'`t'm)
105 .
106 .             // conditions
107 .             local condition cty == "`grp'"
108 .
109 .             // one regression for each horizon
110 .             if `h' == 0 {
111 .                 `xtcmd' `v'`t'm'h' mp1 path lsap `ctrl`v
> `t'm' if `condition', `xtopt' // on-impact effect
112 .                 foreach shock in mp1 path lsap {
113 .                     local pvalue = (2 * ttail(e(df_r
> ),abs(_b[`shock']/_se[`shock'])))
114 .                     if `pvalue' < 0.1 local `shock'`
> v' = -1*_b[`shock']
115 .                     else local `shock'`v' = 0
116 .                 }
117 .             }
118 .             quiet `xtcmd' `v'`t'm'h' mp1 path lsap `ctrl`v'`
> t'm' if `condition', `xtopt'
119 .
120 .         }

```

```

100 .               capture {
    24.               foreach shock in mp1 path lsap {
    25.                   replace b_`shock'`_v'`t'm = -1*_b[`shoc
> k'] if _n == `h'+1
    26.
101 .               // confidence intervals
102 .               matrix R = r(table)
    27.                   replace l1l_`shock'`_v'`t'm = -1*el(matr
> ix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n == `h'+1
    28.                   replace u1l_`shock'`_v'`t'm = -1*el(matr
> ix(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(g
> s6) lpattern(dash)) ///
> (line u1l_`shock'`_v'`t'm days, lco
> lor(gs6) lpattern(dash)) ///
> (line b_`shock'`_v'`t'm days, lcolo
> r(blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(black)), //
> /
> `yxtitles' xlabel(0(15)$horizon, nogrid) ylabel(`s
> hock'`_v' "bf:{&rArr})", add custom labcolor(red) tlcolor(red) nogrid) ///
> graphregion(color(white)) plotregion(color(white))
> legend(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'`
> grp'`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'USDnomytp`v'`t'm
> .eps, replace
51.                                graph drop _all
52.                                } // `shock'
53. } // `t' tenor

```

```

Linear regression                                Number of obs    =      5,40
> 5
                                                F(4, 5400)          =      24.0
> 3
                                                Prob > F            =      0.000
> 0
                                                R-squared           =      0.035
> 7
                                                Root MSE           =      4.873
> 6

```

> -							
	usyc24m0	Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
>]							
> -							
	mp1	.3514178	.1245065	2.82	0.005	.1465878	.556247
> 9	path	.5016315	.0849127	5.91	0.000	.3619386	.641324
> 4	lsap	.4516431	.1143997	3.95	0.000	.26344	.639846
> 1							
	dusyc24m L1.	-.0088186	.0213732	-0.41	0.680	-.0439805	.026343
> 2							
	_cons	-.0976341	.0662992	-1.47	0.141	-.2067053	.011437
> 1							
> -							

```

Linear regression
> 5
> 7
> 0
> 6
> 9

```

Number of obs = 5,40

F(4, 5400) = 57.2

Prob > F = 0.000

R-squared = 0.103

Root MSE = 2.498

		Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
> -	usyp24m0						
>]							
> -	mp1	.2711399	.0818612	3.31	0.001	.136467	.405812
> 8	path	.2044358	.0353327	5.79	0.000	.1463087	.262562
> 9	lsap	.2664119	.0550426	4.84	0.000	.1758594	.356964
> 4							
	dusyp24m						
	L1.	.268831	.0232661	11.55	0.000	.230555	.307106
> 9							
	_cons	-.0563123	.0336177	-1.68	0.094	-.111618	-.001006
> 6							

```

> -

```

Linear regression

Number of obs = 5,40

F(4, 5400) = 81.1

Prob > F = 0.000

R-squared = 0.099

Root MSE = 1.451

```

> -
      ustp24m0 |      Robust
      Coefficient std. err.      t      P>|t|      [90% conf. interval
> ]
-----
> -
      mp1 |      .0150817      .0276909      0.54      0.586      -.0304736      .060636
> 9
      path |      .1508786      .0269852      5.59      0.000      .1064844      .195272
> 9
      lsap |      .2772665      .0368336      7.53      0.000      .2166703      .337862
> 7
      dustp24m
      L1. |      .2553907      .0186928      13.66      0.000      .2246384      .286142
> 9
      _cons |      -.0118237      .0197785      -0.60      0.550      -.044362      .020714
> 7
-----
> -
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```

```

Linear regression
> 5
> 1
> 0
> 7
> 3

```

Number of obs = 5,40

F(4, 5400) = 60.6

Prob > F = 0.000

R-squared = 0.035

Root MSE = 5.662

		Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
> -							
	usyc120m0						
>]							
> -							
	mp1	.0526938	.1104308	0.48	0.633	-.1289799	.234367
> 5							
	path	.4271979	.0835652	5.11	0.000	.2897218	.564674
> 1							
	lsap	1.484591	.1260392	11.78	0.000	1.277239	1.69194
> 2							
	dusyc120m						
	L1.	.0012354	.0176725	0.07	0.944	-.0278382	.03030
> 9							
	_cons	-.0871792	.0770307	-1.13	0.258	-.2139051	.039546
> 7							

```

> -

```

Linear regression

Number of obs = 5,40

F(4, 5400) = 76.5

Prob > F = 0.000

R-squared = 0.079

Root MSE = 1.900

> -							
	usyp120m0	Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
>]							
> -							
	mp1	.1202671	.0573384	2.10	0.036	.0259376	.214596
> 6							
	path	.1647333	.0293307	5.62	0.000	.1164804	.212986
> 3							
	lsap	.3857938	.043192	8.93	0.000	.3147371	.456850
> 5							
	dusyp120m L1.	.2122092	.0185397	11.45	0.000	.1817088	.242709
> 5							
	_cons	-.0425818	.02574	-1.65	0.098	-.0849276	-.00023
> 6							

```

> -

Linear regression                                Number of obs    =      5,40
> 5                                              F(4, 5400)        =      99.8
> 5                                              Prob > F           =      0.000
> 0                                              R-squared          =      0.105
> 9                                              Root MSE          =      2.517
> 6

```

> -							
	ustp120m0	Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
>]							
> -							
	mp1	-.016226	.0481554	-0.34	0.736	-.0954483	.062996
> 2							
	path	.2430479	.0466725	5.21	0.000	.1662653	.319830
> 6							
	lsap	.5953944	.0654788	9.09	0.000	.4876729	.703115
> 9							
	dustp120m						

> 5	L1.		.2613314	.016964	15.41	0.000	.2334233	.289239
> 5	_cons		-.0219345	.0342908	-0.64	0.522	-.0783476	.034478

```

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> s/LSAP/CTY/LSAPUSDnomyptp120m.eps saved as EPS format

```

```

109 .
    end of do-file

```

```

110 . do "$pathcode/spov_combined_group_path"

```

```

111 . * =====
> =====
112 . * Local projections: AE and EM
113 . * =====
> =====
114 . use $file_dta2, clear

```

```

115 .
116 .
117 . * Define local variables
118 . local xtcmd xtscc                                // xtreg

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

120 . local maxlag = 1

121 .
122 . foreach group in 1 {                                // 0 1 {
    2.         if `group' == 0 {
    3.             local grp "AE"
    4.             local vars nom dyp dtp // nom usyc rho phi        // nom
> syn rho phi
    5.             local region regionae
    6.         }
    7.         else {
    8.             local grp "EM"
    9.             local vars nom dyp dtp phi // nom usyc rho phi    //
> nom syn rho phi
    10.            local region regionem
    11.        }
    12.
123 .        foreach t in 24 120 {
    13.            // regressions
124 .            foreach v in `vars' {
    14.
125 .                // variables to store the betas and confidence inte
> rvals
126 .                capture {
    15.                    foreach shock in path { // mpl path lsap {
    16.                        gen b_`shock'__v'`t'm = .
    17.                        gen ll1_`shock'__v'`t'm = .
    18.                        gen ull_`shock'__v'`t'm = .
    19.                    } // `shock'
    20.                }
    21.

```

```

127 .                                // controls
128 .                                local ctrl`v``t'm l(1/`maxlag').d`v``t'm l(1/`maxla
    > g').fx
    22.
129 .                                forvalues h = 0/$horizon {
    23.                                    // response variables
130 .                                    capture gen `v``t'm`h' = (f`h'.`v``t'm - l.
    > `v``t'm)
    24.
131 .                                    // conditions
132 .                                    local condition em == `group' & date < td(1
    > oct2008)      // & `region' == 4
    25.
133 .                                    // one regression for each horizon
134 .                                    if `h' == 0 {
    26.                                        `xtcmd' `v``t'm`h' mp1 path lsap
    > `ctrl`v``t'm' if `condition', `xtopt' // on-impact effect
    27.                                        foreach shock in path { // mp1 p
    > ath lsap {
    28.                                            local pvalue = (2 * ttai
    > l(e(df_r),abs(_b[`shock']/_se[`shock'])))
    29.                                            if `pvalue' < 0.1 local
    > `shock``v' = -1*_b[`shock']
    30.                                            else local `shock``v' =
    > 0
    31.                                            }
    32.                                        }
    33.                                        quiet `xtcmd' `v``t'm`h' mp1 path lsap `
    > ctrl`v``t'm' if `condition', `xtopt'
    34.
135 .                                    capture {
    35.                                        foreach shock in path { // mp1 path lsap
    > {
    36.                                            replace b_`shock'`v``t'm = -1*
    > _b[`shock'] if _n == `h'+1
    37.
136 .                                    // confidence intervals

```

```

137 .                                matrix R = r(table)
    38.                                replace l11_`shock'__`v'`t'm = -1
> *el(matrix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n =
> = `h'+1
    39.                                replace u11_`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.
138 .                                // graphs
139 .                                local j = 0
    46.                                foreach shock in path { // mp1 path lsap {
    47.                                    local ++j
    48.                                    if `j' == 1 local shk "Path"
    49.                                    // if `j' == 1 local shk "Target"
140 . // if `j' == 2 local shk "Path"
141 . // if `j' == 3 local shk "LSAP"
    49. //
142 .
143 .                                local k = 0
    50.                                    foreach v in `vars' {
    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.                                        twoway (line l11_`shock'__`v'`t'm days,
> lcolor(gs6) lpattern(dash)) ///
> (line u11_`shock'__`v'`t'm d
> ays, lcolor(gs6) lpattern(dash)) ///
> (line b_`shock'__`v'`t'm day
> s, lcolor(blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(bla
> ck)), ///
> `yxtitles' xlabel(0(15)$horizon, nogrid) yl
> abel("`shock'`v'" "{bf:{&rArr}}", add custom labcolor(red) tlcolor(red) nog
> rid) ///
> graphregion(color(white)) plotregion(color(
> white)) legend(off) name(`v'`t'm, replace) ///
> title(`: variable label `v'`t'm', color(bla
> ck) size(medium))
    55.

```

```

144 . //                                graph export $pathfigs/LPs/~shk'/~grp'/~v'~
> t'm.eps, replace
145 .                                local graphs`shock'~grp'~t' `graphs`shock'~
> grp'~t'~ `v'~t'm
56.                                drop *~shock'~v'~t'm
> // b_ and confidence intervals
57.                                } // `v' yield component
58.
146 .                                graph combine `graphs`shock'~grp'~t'', rows(1) ycom
> mon
59.                                graph export $pathfigs/LPs/~shk'/~grp'/~shk'~grp
> 'nomytpphi~t'mPre.eps, replace
60.                                graph drop _all
61.                                } // `shock'
62.                                } // `t' tenor
63. } // `group' AE or EM

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   2011
> 8
Method: Fixed-effects regression                Number of groups =    1
> 3
Group variable (i): imf                          F( 4, 2186)      =    2.4
> 4
maximum lag: 7                                Prob > F         =    0.044
> 9
                                                within R-squared =    0.001
> 3

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
> -	nom24m0					
>]						
> -	mp1	.1272218	.0426447	2.98	0.003	.0570478 .197395
> 8	path	.038332	.0509615	0.75	0.452	-.0455278 .122191
> 8	lsap	0	(omitted)			
	dnom24m					
	L1.	-.0149763	.0295276	-0.51	0.612	-.0635654 .033612
> 9						
	fx					
	L1.	.0013635	.0014136	0.96	0.335	-.0009628 .003689
> 7						

```

> 9      _cons |      -1.19487      1.190769      -1.00      0.316      -3.15434      .764600
> -

```

```

Regression with Driscoll-Kraay standard errors      Number of obs      =      1560
> 5
Method: Fixed-effects regression                  Number of groups    =           1
> 4
Group variable (i): imf                            F(   4,   2186)      =           8.7
> 1
maximum lag: 7                                       Prob > F             =           0.000
> 0
                                                    within R-squared    =           0.040
> 5

```

```

> -
      dyp24m0 |      Coefficient      Drisc/Kraay      std. err.      t      P>|t|      [90% conf. interval
> ]
> -
      mp1 |      .0782775      .0651222      1.20      0.229      -.0288843      .185439
> 3
      path |      -.0481544      .0837124      -0.58      0.565      -.1859074      .089598
> 6
      lsap |              0 (omitted)
      ddyp24m
      L1. |      -.2007008      .0363474      -5.52      0.000      -.2605123      -.140889
> 3
      fx
      L1. |      .0003408      .0006226      0.55      0.584      -.0006837      .001365
> 4
      _cons |      -.6132784      .8674066      -0.71      0.480      -2.04064      .814083
> 4
> -

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   1560
> 5
Method: Fixed-effects regression               Number of groups =     1
> 4
Group variable (i): imf                        F(  4,  2186)    =   13.8
> 8
maximum lag: 7                                   Prob > F         =   0.000
> 0
                                                within R-squared =   0.061
> 0

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
<hr/>						
> -	ntp24m0					
<hr/>						
> -	mp1	-.0987854	.098306	-1.00	0.315	-.2605529 .062982
> 1	path	.1981525	.093455	2.12	0.034	.0443675 .351937
> 4	lsap	0 (omitted)				
	ddtp24m					
	L1.	-.2453479	.0364354	-6.73	0.000	-.3053042 -.185391
> 6						
	fx					
	L1.	.000965	.0005587	1.73	0.084	.0000457 .001884
> 4						
	_cons	-1.392349	.7705126	-1.81	0.071	-2.660266 -.124430
> 9						
<hr/>						
> -						

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   1356
> 3
Method: Fixed-effects regression               Number of groups =     1
> 3
Group variable (i): imf                        F(  4,  1767)    =   41.0
> 6
maximum lag: 7                                   Prob > F         =   0.000
> 0
                                                within R-squared =   0.057
> 6

```


		Drisc/Kraay				
	phi24m0	Coefficient	std. err.	t	P> t	[90% conf. interval
	mpl	.0513263	.0822527	0.62	0.533	-.0840384 .186690
	path	-.0522232	.0879385	-0.59	0.553	-.196945 .092498
	lsap	0 (omitted)				
	dphi24m					
	L1.	-.2397541	.0189692	-12.64	0.000	-.270972 -.208536
	fx					
	L1.	-.000295	.0011365	-0.26	0.795	-.0021653 .001575
	_cons	.5958089	1.348768	0.44	0.659	-1.623881 2.81549

```

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> s/Path/EM/PathEMnomytpphi24mPre.eps saved as EPS format

Regression with Driscoll-Kraay standard errors   Number of obs   =   2011
> 8
Method: Fixed-effects regression                Number of groups =     1
> 3
Group variable (i): imf                        F(  4,  2186)    =     3.3
> 0
maximum lag: 7                                   Prob > F          =     0.010
> 4
                                                within R-squared =     0.007
> 3

```

> -		Drisc/Kraay					
nom120m0		Coefficient	std. err.	t	P> t	[90% conf. interval	
>]							
> -							
mp1		.1262334	.0659056	1.92	0.056	.0177824	.234684
> 4							
path		.0452345	.047979	0.94	0.346	-.0337174	.124186
> 3							
lsap		0 (omitted)					
dnom120m							
L1.		-.0820668	.0270164	-3.04	0.002	-.1265237	-.037609
> 9							
fx							
L1.		.00075	.0014248	0.53	0.599	-.0015945	.003094
> 5							
_cons		-.738999	1.205135	-0.61	0.540	-2.722109	1.24411
> 2							

> -

Regression with Driscoll-Kraay standard errors	Number of obs	=	1560
> 5			
Method: Fixed-effects regression	Number of groups	=	1
> 4			
Group variable (i): imf	F(4, 2186)	=	7.6
> 1			
maximum lag: 7	Prob > F	=	0.000
> 0			
	within R-squared	=	0.030
> 6			

> -							
		Drisc/Kraay					
	dyp120m0	Coefficient	std. err.	t	P> t	[90% conf. interval	
>]							
> -							
	mp1	-.0159462	.0426299	-0.37	0.708	-.0860959	.054203
> 5							
	path	.028507	.0390448	0.73	0.465	-.0357432	.092757
> 2							
	lsap	0 (omitted)					
	ddyp120m						
	L1.	-.1747641	.0330529	-5.29	0.000	-.2291544	-.120373
> 8							
	fx						
	L1.	.0005331	.0004182	1.27	0.203	-.0001551	.001221
> 2							
	_cons	-.8332715	.5877148	-1.42	0.156	-1.800386	.133843
> 3							

> -

Regression with Driscoll-Kraay standard errors	Number of obs	=	1560
> 5			
Method: Fixed-effects regression	Number of groups	=	1
> 4			
Group variable (i): imf	F(4, 2186)	=	26.1
> 9			
maximum lag: 7	Prob > F	=	0.000
> 0			
	within R-squared	=	0.054
> 6			

> -		Drisc/Kraay					
dtpl20m0		Coefficient	std. err.	t	P> t	[90% conf. interval	
>]							
> -							
mp1		-.1718698	.0521452	-3.30	0.001	-.2576774	-.086062
> 1							
path		-.1907557	.0600377	-3.18	0.002	-.2895509	-.091960
> 6							
lsap		0 (omitted)					
ddtpl20m							
L1.		-.2290863	.0236259	-9.70	0.000	-.2679639	-.190208
> 7							
fx							
L1.		.0004502	.0003877	1.16	0.246	-.0001878	.001088
> 1							
_cons		-.6328772	.5448041	-1.16	0.246	-1.52938	.263625
> 7							

> -

Regression with Driscoll-Kraay standard errors	Number of obs	=	1356
> 3			
Method: Fixed-effects regression	Number of groups	=	1
> 3			
Group variable (i): imf	F(4, 1767)	=	50.0
> 9			
maximum lag: 7	Prob > F	=	0.000
> 0			
	within R-squared	=	0.069
> 1			

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[90% conf. interval
> -	phil120m0					
>]						
> -	mp1	.2855579	.058178	4.91	0.000	.1898134 .381302
> 4	path	.1700547	.0651336	2.61	0.009	.0628633 .277246
> 2	lsap	0	(omitted)			
	dphil120m					
	L1.	-.2575518	.0209801	-12.28	0.000	-.2920791 -.223024
> 5	fx					
	L1.	.0002848	.001351	0.21	0.833	-.0019385 .002508
> 1						
	_cons	-.238968	1.587817	-0.15	0.880	-2.852065 2.37412
> 9						

> -

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> s/Path/EM/PathEMnomytpphil120mPre.eps saved as EPS format

147 .

end of do-file

148 . do "\$pathcode/spov_combined_usyc_path"

```

149 . * =====
    > =====
150 . * Local projections: US YC
151 . * =====
    > =====
152 . use $file_dta2, clear

153 .
154 .
155 . * Define local variables
156 . local xtcmd reg          // xtreg          // xtsc
157 . local xtopt robust level(90)    // fe level(90) cluster($id)    // fe level
    > (90)

158 . local maxlag = 1

159 . local grp "CHF"

160 . local vars usyc usyp ustp

161 .
162 . foreach t in 24 120 {
    2.          // regressions
163 .          foreach v in `vars' {
    3.
164 .          // variables to store the betas and confidence intervals
165 .          capture {
    4.              foreach shock in path { // mpl path lsap {
    5.                  gen b_`shock'__v``t'm = .
    6.                  gen l11_`shock'__v``t'm = .
    7.                  gen ull_`shock'__v``t'm = .
    8.              }          // `shock'
    9.              }
    10.
166 .          // controls
167 .          local ctrl`v``t'm l(1/`maxlag').d`v``t'm          // l(1/`max
    > lag').fx
    11.

```

```

168 .               forvalues h = 0/$horizon {
169 .                   // response variables
170 .                   capture gen `v'`t'm`h' = (f`h'.`v'`t'm - l.`v'`t'm)
171 .                   // conditions
172 .                   local condition cty == "`grp'" & date < td(1oct2008
> )
173 .                   // one regression for each horizon
174 .                   if `h' == 0 {
175 .                       `xtcmd' `v'`t'm`h' mps path lsap `ctrl`v
> `t'm' if `condition', `xtopt' // on-impact effect
176 .                       foreach shock in path { // mps path lsap
> {
177 .                           local pvalue = (2 * ttail(e(df_r
> ),abs(_b[`shock']/_se[`shock'])))
178 .                           if `pvalue' < 0.1 local `shock'`
> v' = -1*_b[`shock']
179 .                           else local `shock'`v' = 0
180 .                           }
181 .                       }
182 .                       quiet `xtcmd' `v'`t'm`h' mps path lsap `ctrl`v`
> t'm' if `condition', `xtopt'
183 .
184 .                   capture {
185 .                       foreach shock in path { // mps path lsap {
186 .                           replace b_`shock'`v'`t'm = -1*_b[`shoc
> k'] if _n == `h'+1
187 .
188 .                       // confidence intervals
189 .                       matrix R = r(table)
190 .                       replace l1l_`shock'`v'`t'm = -1*el(matr
> ix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock'")) if _n == `h'+1
191 .                       replace u1l_`shock'`v'`t'm = -1*el(matr
> ix(R),rownumb(matrix(R),"u1"),colnumb(matrix(R),"`shock'")) if _n == `h'+1
192 .                       } // `shock'
193 .                       drop `v'`t'm`h'
194 .                       }
195 .                   } // `h' horizon
196 .               } // `v' yield component
197 .

```

```

177 .          // graphs
178 .          local j = 0
    35.          foreach shock in path { // mp1 path lsap {
    36.              local ++j
    37.              if `j' == 1 local shk "Path"
    38. //          if `j' == 1 local shk "Target"
179 . //          if `j' == 2 local shk "Path"
180 . //          if `j' == 3 local shk "LSAP"
181 .
182 .          local k = 0
    39.          foreach v in `vars' {
    40.              local ++k
    41.              if `k' == 1 local yxtitles ytitle("Basis Points"
> , size(medsmall)) xtitle("Days", size(medsmall))
    42.              else local yxtitles xtitle("Days", size(medsmall
> ))
    43.              twoway (line l1l_`shock'`_v'`t'm days, lcolor(g
> s6) lpattern(dash)) ///
> (line u1l_`shock'`_v'`t'm days, lco
> lor(gs6) lpattern(dash)) ///
> (line b_`shock'`_v'`t'm days, lcolo
> r(blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(black)), //
> /
>          `yxtitles' xlabel(0(15)$horizon, nogrid) ylabel(``s
> hock'`_v'` " {bf:{&rArr}}", add custom labcolor(red) tlcolor(red) nogrid) ///
>          graphregion(color(white)) plotregion(color(white))
> legend(off) name(`_v'`t'm, replace) ///
>          title(`: variable label `_v'`t'm', color(black) size
> (medium))
    44.
183 . //          graph export $pathfigs/LPs/`shk'/CTY/`shk'`
> grp'`_v'`t'm.eps, replace
184 .          local graphs`shock'`grp'`t' `graphs`shock'`grp'`t'`
> `_v'`t'm
    45.          drop *_`shock'`_v'`t'm
> // b_ and confidence intervals
    46.          }          // `_v' yield component
    47.

```



```

185 .               graph combine `graphs`shock``grp``t'', rows(1) ycommon
    48.               graph export $pathfigs/LPs/`shk`/CTY/`shk`USDnomytp`t'm
> Pre.eps, replace
    49.               graph drop _all
    50.               }               // `shock'
    51. }               // `t' tenor
note: lsap omitted because of collinearity.

```

```

Linear regression               Number of obs   =      2,18
> 7                               F(3, 2183)      =      9.8
> 4                               Prob > F        =      0.000
> 0                               R-squared        =      0.032
> 9                               Root MSE       =      6.512
> 3

```

		Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
> -	usyc24m0						
>]							
> -	mp1	.3812897	.1263222	3.02	0.003	.17342	.589159
> 4	path	.5258396	.1335446	3.94	0.000	.3060849	.745594
> 2	lsap	0 (omitted)					
	dusyc24m						
	L1.	.0030949	.0273842	0.11	0.910	-.0419673	.04815
> 7							
	_cons	-.1770704	.1394073	-1.27	0.204	-.4064723	.052331
> 5							

```

> -
note: lsap omitted because of collinearity.

```

```

Linear regression
> 7
> 6
> 0
> 5
> 4

```

Number of obs	=	2,18
F(3, 2183)	=	46.4
Prob > F	=	0.000
R-squared	=	0.115
Root MSE	=	3.371

```

> -

```

	Coefficient	Robust std. err.	t	P> t	[90% conf. interval
--	-------------	---------------------	---	------	---------------------

```

> ]
> -

```

usyp24m0	.2820867	.0841516	3.35	0.001	.1436109 .420562
mp1	.2204115	.0539034	4.09	0.000	.1317108 .309112
path	0 (omitted)				
lsap					
dusyp24m	.291315	.0277127	10.51	0.000	.2457123 .336917
L1.					
_cons	-.1050155	.0713131	-1.47	0.141	-.2223649 .012333

```

> 7
> 9

```

```

> -
note: lsap omitted because of collinearity.

```

```

Linear regression
> 7
> 5
> 0
> 5
> 6

```

Number of obs	=	2,18
F(3, 2183)	=	36.9
Prob > F	=	0.000
R-squared	=	0.088
Root MSE	=	1.702

```

> -
      ustp24m0 |      Robust
      Coefficient std. err.      t    P>|t|      [90% conf. interval
> ]
-----
> -
      mp1 |      .0184861   .0286093    0.65   0.518   -.028592   .065564
> 1
      path |      .1318134   .0350897    3.76   0.000   .0740715   .189555
> 3
      lsap |              0 (omitted)
      dustp24m
      L1. |      .2664485   .0270746    9.84   0.000   .2218958   .311001
> 2
      _cons |     -.0150267   .0365099   -0.41   0.681   -.0751056   .045052
> 1
-----

> -
(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Path/CTY/PathUSDnomyptp24mPre.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Path/CTY/PathUSDnomyptp24mPre.eps saved as EPS format
note: lsap omitted because of collinearity.

Linear regression                                Number of obs      =      2,18
> 7
                                                F(3, 2183)         =      6.3
> 5
                                                Prob > F           =      0.000
> 3
                                                R-squared          =      0.010
> 4
                                                Root MSE          =      5.822
> 6

```

> -							
	usyc120m0	Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
>]							
> -							
	mp1	.0508497	.1112779	0.46	0.648	-.1322639	.233963
> 3							
	path	.3127302	.0813005	3.85	0.000	.178946	.446514
> 5							
	lsap	0	(omitted)				
	dusyc120m						
	L1.	.0079734	.024601	0.32	0.746	-.0325088	.048455
> 6							
	_cons	-.112945	.1246217	-0.91	0.365	-.3180164	.092126
> 5							

> -
note: **lsap** omitted because of collinearity.

Linear regression	Number of obs	=	2,18
> 7	F(3, 2183)	=	30.4
> 6	Prob > F	=	0.000
> 0	R-squared	=	0.060
> 3	Root MSE	=	2.283
> 8			

> -							
	usyp120m0	Coefficient	Robust std. err.	t	P> t	[90% conf. interval	
>]							
> -							
	mp1	.1246174	.0577678	2.16	0.031	.0295575	.219677
> 3							
	path	.1393449	.0350615	3.97	0.000	.0816495	.197040
> 3							
	lsap	0	(omitted)				
	dusyp120m						
	L1.	.2018826	.0259154	7.79	0.000	.1592375	.244527

```

> 8
      _cons |   -.0693707   .0486054   -1.43   0.154   -.1493535   .010612
> 1
-----
> -
note: lsap omitted because of collinearity.

Linear regression                               Number of obs   =       2,18
> 7                                              F(3, 2183)      =       35.4
> 0                                              Prob > F         =       0.000
> 0                                              R-squared        =       0.071
> 8                                              Root MSE        =       2.708
> 1

-----
> -
      ustpl20m0 |      Coefficient      Robust      t      P>|t|      [90% conf. interval
> ]              |      std. err.              |
-----
> -
      mp1 |   -.0131783   .0487444   -0.27   0.787   -.0933896   .067033
> 1
      path |    .1862199   .0497259    3.74   0.000    .1043933   .268046
> 4
      lsap |              0 (omitted)
      dustpl20m
      L1. |    .2394218   .0251121    9.53   0.000    .1980985   .280745
> 1
      _cons |   -.0203427   .0579843   -0.35   0.726   -.1157589   .075073
> 6
-----
> -
(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Path/CTY/PathUSDnomyptpl20mPre.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Path/CTY/PathUSDnomyptpl20mPre.eps saved as EPS format

```

```

186 .
    end of do-file

187 . do "$pathcode/spov_combined_nickell"

188 . * =====
    > =====
189 . * Local projections: AE and EM
190 . * =====
    > =====
191 . use $file_dta2, clear

192 .
193 .
194 . * Define local variables
195 . local xtcmd xtscg                                // xtreg

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

197 . local maxlag = 1

198 .
199 . foreach group in 1 { // 0 1 {
    2.         if `group' == 0 {
    3.             local grp "AE"
    4.             local vars nom dyp dtp // nom usyc rho phi        // nom
    > syn rho phi
    5.             local region regionae
    6.         }
    7.         else {
    8.             local grp "EM"
    9.             local vars nom dyp dtp phi // nom usyc rho phi    //
    > nom syn rho phi
    10.            local region regionem
    11.        }
    12.
200 .         foreach t in 24 120 {
    13.             // regressions

```

```

201 .          foreach v in `vars' {
    14.
202 .          // variables to store the betas and confidence inte
> rvals
203 .          capture {
    15.              foreach shock in mp1 path lsap {
    16.                  gen b_`shock'`v'`t'm' = .
    17.                  gen l1l_`shock'`v'`t'm' = .
    18.                  gen u1l_`shock'`v'`t'm' = .
    19.              }          // `shock'
    20.          }
    21.
204 .          // controls
205 .          local ctrl`v'`t'm' l(1/`maxlag').fx          // l(1/`max
> lag').d`v'`t'm' l(1/`maxlag').fx
    22.
206 .          forvalues h = 0/$horizon {
    23.              // response variables
207 .              capture gen `v'`t'm'h' = (f`h'.`v'`t'm' - l.
> `v'`t'm)
    24.
208 .              // conditions
209 .              local condition em == `group'          // & `regio
> n' == 4
    25.
210 .              // one regression for each horizon
211 .              if `h' == 0 {
    26.                  `xtcmd' `v'`t'm'h' mp1 path lsap
> `ctrl`v'`t'm' if `condition', `xtopt' // on-impact effect
    27.                  foreach shock in mp1 path lsap {
    28.                      local pvalue = (2 * ttai
> l(e(df_r),abs(_b[`shock']/_se[`shock'])))
    29.                      if `pvalue' < 0.1 local
> `shock'`v' = -1*_b[`shock']
    30.                      else local `shock'`v' =
> 0
    31.                  }
    32.              }
    33.              quiet `xtcmd' `v'`t'm'h' mp1 path lsap `
> ctrl`v'`t'm' if `condition', `xtopt'
    34.

```

```

212 .                                capture {
    35.                                foreach shock in mp1 path lsap {
    36.                                    replace b_`shock'__v'`t'm = -1*
> _b[`shock'] if _n == `h'+1
    37.
213 .                                // confidence intervals
214 .                                matrix R = r(table)
    38.                                    replace l11_`shock'__v'`t'm = -1
> *el(matrix(R),rownumb(matrix(R),"l1"),colnumb(matrix(R),"`shock')) if _n =
> = `h'+1
    39.                                    replace u11_`shock'__v'`t'm = -1
> *el(matrix(R),rownumb(matrix(R),"u1"),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.
215 .                                // graphs
216 .                                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.
217 .                                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(
> medsmall))
    56.                                        twoway (line l11_`shock'__v'`t'm days,
> lcolor(gs6) lpattern(dash)) ///
> (line u11_`shock'__v'`t'm d
> ays, lcolor(gs6) lpattern(dash)) ///
> (line b_`shock'__v'`t'm day
> s, lcolor(blue*1.25) lpattern(solid) lwidth(thick)) ///
> (line zero days, lcolor(bla
> ck)), ///
> `yxtitles' xlabel(0(15)$horizon, nogrid) yl
> abel("`shock'`v'" "{bf:{&rArr}}", add custom labcolor(red) tlcolor(red) nog
> rid) ///
> graphregion(color(white)) plotregion(color(
> white)) legend(off) name(`v'`t'm, replace) ///
> title(`: variable label `v'`t'm', color(bla
> ck) size(medium))

```



```

57.
218 . // graph export $pathfigs/LPs/\`shk'\`grp'\`v'\`
> t'm.eps, replace
219 . local graphs`shock'\`grp'\`t' `graphs`shock'\`
> grp'\`t'\`v'\`t'm
58. drop *`shock'\`v'\`t'm
> // b_ and confidence intervals
59. } // `v' yield component
60.
220 . graph combine `graphs`shock'\`grp'\`t'', rows(1) ycom
> mon
61. graph export $pathfigs/LPs/\`shk'\`grp'\`shk'\`grp
> 'nomytpphi`t'mNickell.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   =   6713
> 6
Method: Fixed-effects regression                Number of groups =    1
> 5
Group variable (i): imf                        F( 4, 5405)      =    6.2
> 9
maximum lag: 9                                   Prob > F         =    0.000
> 0
                                                within R-squared =    0.000
> 8

```

		Drisc/Kraay					
	nom24m0	Coefficient	std. err.	t	P> t	[90% conf. interval	
> -							
> 7	mp1	.1620582	.0525542	3.08	0.002	.0755994	.24851
> 6	path	.1238113	.0577486	2.14	0.032	.0288071	.218815
> 3	lsap	.1309297	.0633064	2.07	0.039	.0267822	.235077
> 3	fx						
	L1.	-.0000574	.000074	-0.78	0.438	-.0001791	.000064
> 8	_cons	-.0332324	.0991354	-0.34	0.737	-.1963236	.129858

> -

Regression with Driscoll-Kraay standard errors Number of obs = **6119**
> 9
Method: **Fixed-effects regression** Number of groups = **1**
> 5
Group variable (i): **imf** F(4, 5405) = **0.9**
> 0
maximum lag: 9 Prob > F = **0.461**
> 9
within R-squared = **0.000**
> 1

> -

		Drisc/Kraay				
	dyp24m0	Coefficient	std. err.	t	P> t	[90% conf. interval
> 1						
> -						
	mp1	.0640333	.0840336	0.76	0.446	-.0742134 .2022
> 8						
	path	.0197664	.0869928	0.23	0.820	-.1233486 .162881
> 4						
	lsap	.2077725	.1634348	1.27	0.204	-.0611 .476644
> 9						
	fx					
	L1.	-.0001005	.0000933	-1.08	0.281	-.0002539 .000052
> 9						
	_cons	.0410937	.1341278	0.31	0.759	-.1795647 .261752
> 2						

> -

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   6119
> 9
Method: Fixed-effects regression               Number of groups =     1
> 5
Group variable (i): imf                       F( 4, 5405)      =   0.2
> 8
maximum lag: 9                                 Prob > F         =   0.893
> 8
                                                within R-squared =   0.000
> 0

```

		Drisc/Kraay		t	P> t	[90% conf. interval	
		Coefficient	std. err.				
> -	ntp24m0						
>]							
> -	mp1	-.029169	.1110669	-0.26	0.793	-.2118891	.153551
> 1	path	-.0239947	.0667759	-0.36	0.719	-.1338502	.085860
> 7	lsap	-.0325528	.1057298	-0.31	0.758	-.2064926	.141387
> 1	fx						
	L1.	.0000499	.0000577	0.86	0.387	-.000045	.000144
> 8							
	_cons	-.0739181	.0797186	-0.93	0.354	-.205066	.057229
> 9							
> -							

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   5872
> 0
Method: Fixed-effects regression               Number of groups =     1
> 5
Group variable (i): imf                       F( 4, 4986)      =   0.9
> 0
maximum lag: 9                                 Prob > F         =   0.461
> 2
                                                within R-squared =   0.000
> 3

```

		Drisc/Kraay				
	phi24m0	Coefficient	std. err.	t	P> t	[90% conf. interval
	mp1	.0340011	.1123025	0.30	0.762	-.1507543 .218756
	path	.1196744	.0697814	1.71	0.086	.0048728 .234475
	lsap	-.1247734	.1547179	-0.81	0.420	-.379309 .129762
	fx					
	L1.	-9.65e-06	.0000523	-0.18	0.854	-.0000956 .000076
	_cons	.0063461	.0821187	0.08	0.938	-.1287522 .141444

```

> -

(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Target/EM/TargetEMnomytpphi24mNickell.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Target/EM/TargetEMnomytpphi24mNickell.eps saved as EPS format
(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Path/EM/PathEMnomytpphi24mNickell.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/Path/EM/PathEMnomytpphi24mNickell.eps saved as EPS format
(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/LSAP/EM/LSAPEMnomytpphi24mNickell.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
> s/LSAP/EM/LSAPEMnomytpphi24mNickell.eps saved as EPS format

```

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    6713
> 6
Method: Fixed-effects regression                Number of groups =     1
> 5
Group variable (i): imf                        F( 4, 5405)      =    3.8
> 8
maximum lag: 9                                   Prob > F         =    0.003
> 7
                                                within R-squared =    0.001
> 0

```

		Drisc/Kraay		t	P> t	[90% conf. interval	
		Coefficient	std. err.				
> -	nom120m0						
>]							
> -	mp1	.1270715	.0883884	1.44	0.151	-.0183394	.272482
> 3	path	.2472035	.0743031	3.33	0.001	.1249648	.369442
> 2	lsap	.1596612	.1251926	1.28	0.202	-.0462976	.365620
> 1	fx						
	L1.	-.0000341	.0000909	-0.38	0.707	-.0001837	.000115
> 4							
	_cons	-.0540819	.1202857	-0.45	0.653	-.2519681	.143804
> 3							
> -							

```

Regression with Driscoll-Kraay standard errors    Number of obs    =    6119
> 9
Method: Fixed-effects regression                Number of groups =     1
> 5
Group variable (i): imf                        F( 4, 5405)      =    1.4
> 5
maximum lag: 9                                   Prob > F         =    0.213
> 7
                                                within R-squared =    0.000
> 2

```

> -							
	dyp120m0	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -							
	mp1	-.0081498	.0560085	-0.15	0.884	-.1002913	.083991
> 8	path	.0093976	.0531545	0.18	0.860	-.0780488	.096843
> 9	lsap	.2187976	.0959353	2.28	0.023	.060971	.376624
> 1							
	fx						
	L1.	-.0000425	.0000625	-0.68	0.497	-.0001453	.000060
> 3							
	_cons	-.0157018	.0943999	-0.17	0.868	-.1710023	.139598
> 8							
> -							

Regression with Driscoll-Kraay standard errors Number of obs = 6119
> 9
Method: **Fixed-effects regression** Number of groups = 1
> 5
Group variable (i): **imf** F(4, 5405) = 10.3
> 3
maximum lag: 9 Prob > F = 0.000
> 0
within R-squared = 0.001
> 1

> -							
	dtp120m0	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[90% conf. interval	
> -							
	mp1	-.2358444	.0634037	-3.72	0.000	-.340152	-.131536
> 7	path	-.0256487	.0590605	-0.43	0.664	-.1228113	.071513
> 8	lsap	.383456	.0657669	5.83	0.000	.2752606	.491651
> 4							

Regression with Driscoll-Kraay standard errors	Number of obs	=	5872
> 0			
Method: Fixed-effects regression	Number of groups	=	1
> 5			
Group variable (i): imf	F(4, 4986)	=	5.3
> 6			
maximum lag: 9	Prob > F	=	0.000
> 3			
	within R-squared	=	0.000
> 8			

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```

(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/EM/TargetEMnomypptphi120mNickell.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Target/EM/TargetEMnomypptphi120mNickell.eps saved as EPS format
(file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/EM/PathEMnomypptphi120mNickell.eps not found)
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  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/Path/EM/PathEMnomypptphi120mNickell.eps saved as EPS format
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  > s/LSAP/EM/LSAPEMnomypptphi120mNickell.eps not found)
file
  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Figures/LP
  > s/LSAP/EM/LSAPEMnomypptphi120mNickell.eps saved as EPS format

221 .
    end of do-file

222 . do "$pathcode/spov_drivers"

223 . * =====
    > =====
224 . * Panel regressions with monthly data
225 . * =====
    > =====
226 . use $file_dta2, clear

227 .
228 .
229 . * Keep monthly data and define panel
230 . keep if eomth
    (117,771 observations deleted)

```



```

231 . global idm imf

232 . global tm datem

233 . sort $idm $tm

234 . xtset $idm $tm

    Panel variable: imf (unbalanced)
    Time variable: datem, 2000 to 2021
        Delta: 1 month

235 . drop date eomth

236 . order datem, first

237 . replace cbp = cbp*100
    (3,313 real changes made)

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

239 .
240 .
241 . * Compute monthly returns (in basis points)
242 . 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)
(2,644 missing values generated)
(2,659 missing values generated)
(25 missing values generated)
(50 missing values generated)
(75 missing values generated)
(791 missing values generated)
(865 missing values generated)

```

```

243 .
244 .
245 . * Standardize the exchange rate
246 . egen meanFX = mean(fx), by($idm)

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

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

249 .
250 .
251 . * Define local variables
252 . local xtcmd xtscce // xtreg

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

254 .
255 .
256 . * Define global variables
257 . global x0 sdprm

258 . global x1 logvix logepuus logepugbl globalip // rtspix rtol vix epugbl glo
> balip // vix epugbl rtglobalip // rtvix rtepugbl rtglobalip

259 . global x2 cbp inf une zfx $x1

260 .
261 .
262 . * Label variables for use in figures and tables
263 . #delimit ;
delimitter now ;
264 . unab oldlabels : ustp* usyp* rtvix rtfx rtol rtspix rtstx rtepauus rtepugbl
> rtglobalip
>
logepuus logepugbl logvix vix zfx cbp;

265 . local newlabels `"' "U.S. Term Premium" "U.S. Term Premium" "U.S. Term Premi
> um" "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" "'';

```

```

266 . #delimit cr
    delimiter now cr
267 . local nlbls : word count `oldlabels'

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

269 .
270 .
271 . * -----
    > -----
272 . * Table: TP and UCSV
273 . local tblbl "f_tpucsv"

274 . eststo clear

275 . local j = 0

276 . 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   =       98
> 0
Method: Fixed-effects regression                Number of groups =        1
> 5
Group variable (i): imf                          F(   1,   85)    =       2.0
> 3
maximum lag: 3                                   Prob > F         =     0.157
> 6
                                                within R-squared =     0.020
> 3

```

> -							
	dtpr6m	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
	sdpr6m	43.10159	30.22806	1.43	0.158	-16.99989	103.203
> 1							
	_cons	-32.6102	23.60139	-1.38	0.171	-79.53608	14.3156
> 8							

> -

(e(Lags) = 3 added)
(e(R2) = .02026647 added)
(e(Countries) = 15 added)
(e(Obs) = 980 added)

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors	Number of obs	=	88
> 5			
Method: Fixed-effects regression	Number of groups	=	1
> 4			
Group variable (i): imf	F(2, 84)	=	0.9
> 8			
maximum lag: 3	Prob > F	=	0.379
> 7			
	within R-squared	=	0.014
> 4			

> -							
	dtpr6m	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
	sdpr6m	37.84225	27.49791	1.38	0.172	-16.84035	92.5248
> 5							
	gdp	-.5272494	1.455648	-0.36	0.718	-3.421965	2.36746
> 6							
	_cons	-25.8187	21.94932	-1.18	0.243	-69.46733	17.8299
> 3							
> -							

```
(e(Lags) = 3 added)
(e(R2) = .01439031 added)
(e(Countries) = 14 added)
(e(Obs) = 885 added)
```

added macro:

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

Pesaran's test of cross sectional independence = 12.319, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.281

Pesaran's test of cross sectional independence = 14.003, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.285

```
Regression with Driscoll-Kraay standard errors   Number of obs   =       98
> 0
Method: Fixed-effects regression                 Number of groups =        1
> 5
Group variable (i): imf                         F( 1, 85)       =       1.7
> 8
maximum lag: 3                                  Prob > F        =       0.185
> 2
                                                within R-squared =       0.008
> 0
```

```
> -
      dtp12m |               Drisc/Kraay
      Coefficient  std. err.      t    P>|t|    [95% conf. interval
> ]
-----+-----
> -
      sdprm |      26.64426   19.94795    1.34   0.185   -13.01762   66.3061
> 4
      _cons |     -12.3496   15.35942   -0.80   0.424   -42.88825   18.1890
> 5
-----+-----
> -
```

```
(e(Lags) = 3 added)
(e(R2) = .00804124 added)
(e(Countries) = 15 added)
(e(Obs) = 980 added)
```

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors Number of obs = **88**
> 5
Method: **Fixed-effects regression** Number of groups = **1**
> 4
Group variable (i): **imf** F(2, 84) = **1.2**
> 0
maximum lag: **3** Prob > F = **0.306**
> 2
within R-squared = **0.012**
> 7

		Drisc/Kraay					
> -	dtp12m	Coefficient	std. err.	t	P> t	[95% conf. interval	
>]							
<hr/>							
> -	sdprm	38.60187	25.35272	1.52	0.132	-11.8148	89.0185
> 4	gdp	-.0690601	1.65537	-0.04	0.967	-3.360945	3.22282
> 5	_cons	-21.15394	19.82458	-1.07	0.289	-60.5773	18.2694
> 2							
<hr/>							
> -							

(e(Lags) = 3 added)
(e(R2) = .01265406 added)
(e(Countries) = 14 added)
(e(Obs) = 885 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = **10.098**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.303**

Pesaran's test of cross sectional independence = **13.959**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.310**

```

Regression with Driscoll-Kraay standard errors   Number of obs   =       98
> 0
Method: Fixed-effects regression               Number of groups =        1
> 5
Group variable (i): imf                        F(   1,   85)    =       2.1
> 9
maximum lag: 3                                Prob > F         =     0.142
> 6
                                                within R-squared =     0.005
> 0

```

```

> -
      dtp24m |               Drisc/Kraay
             | Coefficient  std. err.      t    P>|t|    [95% conf. interval
> ]
-----+-----
> -      sdprm |      18.88104   12.75918     1.48   0.143   -6.487631    44.249
> 7
         _cons |      10.49455   11.1267     0.94   0.348  -11.62831    32.617
> 4
-----+-----
> -

```

```

(e(Lags) = 3 added)
(e(R2) = .00503573 added)
(e(Countries) = 15 added)
(e(Obs) = 980 added)

```

```

added macro:
              e(FE) : "Yes"

```

```

Regression with Driscoll-Kraay standard errors   Number of obs   =       88
> 5
Method: Fixed-effects regression               Number of groups =        1
> 4
Group variable (i): imf                        F(   2,   84)    =       3.7
> 1
maximum lag: 3                                Prob > F         =     0.028
> 7
                                                within R-squared =     0.020
> 0

```

> -							
	ntp24m	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
	sdprm	42.18075	18.51219	2.28	0.025	5.367225	78.9942
> 7							
	gdp	.7338096	1.310562	0.56	0.577	-1.872386	3.34000
> 5							
	_cons	-10.62448	14.24692	-0.75	0.458	-38.95603	17.7070
> 8							
> -							

(e(Lags) = 3 added)
(e(R2) = .02000379 added)
(e(Countries) = 14 added)
(e(Obs) = 885 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 8.523, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.295

Pesaran's test of cross sectional independence = 12.130, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.291

Regression with Driscoll-Kraay standard errors	Number of obs	=	98
> 0			
Method: Fixed-effects regression	Number of groups	=	1
> 5			
Group variable (i): imf	F(1, 85)	=	11.0
> 6			
maximum lag: 3	Prob > F	=	0.001
> 3			
	within R-squared	=	0.017
> 1			

> -							
	ntp60m	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
	sdprm	31.32554	9.417608	3.33	0.001	12.60082	50.0502
> 7							
	_cons	68.72964	9.318194	7.38	0.000	50.20257	87.256
> 7							

> -

(e(Lags) = 3 added)
(e(R2) = .01708017 added)
(e(Countries) = 15 added)
(e(Obs) = 980 added)

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors	Number of obs	=	88
> 5			
Method: Fixed-effects regression	Number of groups	=	1
> 4			
Group variable (i): imf	F(2, 84)	=	14.2
> 0			
maximum lag: 3	Prob > F	=	0.000
> 0			
	within R-squared	=	0.074
> 5			

> -							
	ntp60m	Drisc/Kraay					
>]		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
	sdprm	66.91351	13.00067	5.15	0.000	41.06025	92.7667
> 6							
	gdp	1.320472	1.201672	1.10	0.275	-1.069185	3.71012
> 8							
	_cons	32.33685	12.89716	2.51	0.014	6.68944	57.9842
> 6							
> -							

```
(e(Lags) = 3 added)
(e(R2) = .07451651 added)
(e(Countries) = 14 added)
(e(Obs) = 885 added)
```

added macro:

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

Pesaran's test of cross sectional independence = **4.784**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.300**

Pesaran's test of cross sectional independence = **4.303**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.271**

```
Regression with Driscoll-Kraay standard errors   Number of obs   =       98
> 0
Method: Fixed-effects regression               Number of groups =        1
> 5
Group variable (i): imf                        F( 1, 85)       =      25.4
> 4
maximum lag: 3                                  Prob > F        =      0.000
> 0
                                                within R-squared =      0.047
> 5
```

```
> -
      dtp120m |               Drisc/Kraay
              | Coefficient  std. err.      t    P>|t|    [95% conf. interval
> ]
-----+-----
> -      sdprm |      61.87012    12.2663      5.04  0.000    37.48142    86.2588
> 1      _cons |     159.5342    10.7835     14.79  0.000    138.0938    180.974
> 7
-----+-----
> -
```

```
(e(Lags) = 3 added)
(e(R2) = .04748703 added)
(e(Countries) = 15 added)
(e(Obs) = 980 added)
```

added macro:

e(FE) : "Yes"

Regression with Driscoll-Kraay standard errors Number of obs = **88**
> 5
Method: **Fixed-effects regression** Number of groups = **1**
> 4
Group variable (i): **imf** F(2, 84) = **23.7**
> 4
maximum lag: **3** Prob > F = **0.000**
> 0
within R-squared = **0.132**
> 8

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -	dtpl20m						
>]							
> -	sdprm	108.0219	15.6768	6.89	0.000	76.84685	139.196
> 9	gdp	.8600042	2.135058	0.40	0.688	-3.385794	5.10580
> 2	_cons	110.928	17.5634	6.32	0.000	76.00126	145.854
> 7							
> -							

(e(Lags) = 3 added)
(e(R2) = .13284053 added)
(e(Countries) = 14 added)
(e(Obs) = 885 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = **21.270**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.351**

Pesaran's test of cross sectional independence = **17.632**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.331**

```

277 . esttab mtp* using "$pathtbls/\tbl1bl1'.tex", replace fragment cells(b(fmt(a2
> ) star) se(fmt(a2 par)) ///
> keep($x0 gdp) nomtitles nonumbers nonotes noline noobs label booktabs coll
> abels(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(\cmidr
> ule(lr){@span})) ///
> varlabels(, elist(gdp \midrule)) scalars("FE Fixed Effects" "Lags" "Countri
> es No. Countries" "Obs Observations" "R2 \(\mathbf{R}^2\)\)") sfmt(%4.0fc %4.0fc %4.
> 0fc %4.0fc %4.2fc)
(output written to /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Do
> cs/Tables/f_tpu.csv.tex)

278 . // scalars("e(lag) Lags" "e(r2_w) R2" "e(N_g) Countries" "e(N) Obs" "Fixed
> Effects")
279 . // filefilter x.tex "$pathtbls/\tbl1bl1'.tex", from(\BS\BS\n) to(\BStabularn
> ewline\n) replace
280 . // erase x.tex
281 . * -----
> -----
282 .
283 . * Repeat sdprm values throughout the quarter
284 . replace sdprm = L.sdprm if sdprm >= .
(2,227 real changes made)

285 .
286 . * -----
> -----
287 . * Table: Drivers
288 . local tbl1bl1 "f_ydcamp"

289 . eststo clear

290 . 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 $x
> 1 if `condition', fe
13.                    xtcsd, pesaran abs

```

```

14.          }
15.
291 .          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 $x
> 2 if `condition' & phi`t'm != ., `xtopt'
292 . //          `xtcmd' `v'`t'm usyc`t'm $x2 if `condition'
> & phi`t'm != ., `xtopt'
293 . //          `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'
294 .          eststo mdl`j', addscalars(Lags e(lag) R2 e(
> r2_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 $x
> 2 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 noline noobs label book
> tabs collabels(none) ///
>      mggroups("Nominal" "E. Short Rate" "Term Premium" "Credit Ri
> sk", pattern(1 1 1 1 1 1) prefix(\multicolumn{@span}{c}{}) suffix({}) span er
> epeat(\cmidrule(lr){@span})) ///
>      varlabels(, elist(globalip \midrule)) scalars("FE Fixed Eff
> ects" "Lags" "Countries No. Countries" "Obs Observations" "R2 \((R^{2})\)" ) s
> fmt(%4.0fc %4.0fc %4.0fc %4.0fc %4.2fc)
24.      } // `group'
25.      filefilter x.tex "$pathtbls/\tbl1tbl1`ty'y.tex", from(Observation
> s) to(Observations) replace
26. } // `t'

```

Regression with Driscoll-Kraay standard errors	Number of obs	=	249
> 3			
Method: Fixed-effects regression	Number of groups	=	1
> 5			
Group variable (i): imf	F(10, 237)	=	507.0
> 6			
maximum lag: 4	Prob > F	=	0.000
> 0			
	within R-squared	=	0.839
> 0			

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -	nom12m	2.156213	.3180175	6.78	0.000	1.529711	2.78271
> 6	usyp12m	-.0065381	.0314955	-0.21	0.836	-.068585	.055508
> 8	cbp	.7208952	.0218418	33.01	0.000	.6778663	.763924
> 1	inf	6.067143	2.285165	2.66	0.008	1.565313	10.5689
> 7	une	3.333097	1.952934	1.71	0.089	-.5142297	7.18042
> 4	zfx	25.90472	5.002778	5.18	0.000	16.04913	35.7603
> 1	logvix	34.12569	6.998393	4.88	0.000	20.33868	47.9126
> 9	logepuus	2.937327	3.258026	0.90	0.368	-3.481062	9.35571
> 5	logepugbl	-44.88142	11.84135	-3.79	0.000	-68.20917	-21.5536
> 7	globalip	2.092917	.6587259	3.18	0.002	.7952111	3.39062
> 3	_cons	187.7898	65.46612	2.87	0.004	58.82002	316.759
> 7							
> -							

(e(Lags) = 4 added)
(e(R2) = .83896821 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 1.544, Pr = 0.1227

Average absolute value of the off-diagonal elements = 0.254

```

Regression with Driscoll-Kraay standard errors   Number of obs   =       249
> 3
Method: Fixed-effects regression               Number of groups =        1
> 5
Group variable (i): imf                       F( 10,   237)    =    213.7
> 4
maximum lag: 4                                Prob > F         =    0.000
> 0
                                              within R-squared =    0.779
> 3

```

		Drisc/Kraay					
	dyp12m	Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
>]							
> -	ustp12m	2.146176	.383292	5.60	0.000	1.391081	2.9012
> 7	usyp12m	.0249137	.0351935	0.71	0.480	-.0444183	.094245
> 7	cbp	.7487288	.0330445	22.66	0.000	.6836303	.813827
> 2	inf	3.504074	3.20672	1.09	0.276	-2.813241	9.82138
> 8	une	-.0537037	2.636153	-0.02	0.984	-5.246988	5.1395
> 8	zfx	29.3682	5.67966	5.17	0.000	18.17914	40.5572
> 7	logvix	-4.694201	13.89948	-0.34	0.736	-32.07651	22.688
> 1	logepuus	-4.613264	5.852707	-0.79	0.431	-16.14324	6.91670
> 9	logepugbl	-34.2256	12.76709	-2.68	0.008	-59.37707	-9.07412
> 5	globalip	-2.418847	.9103093	-2.66	0.008	-4.212178	-.62551
> 6	_cons	279.7795	66.7128	4.19	0.000	148.3537	411.205
> 3							
> -							

```

(e(Lags) = 4 added)
(e(R2) = .77926393 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 10.731, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.235

Regression with Driscoll-Kraay standard errors Number of obs = 249
> 3
Method: **Fixed-effects regression** Number of groups = 1
> 5
Group variable (i): **imf** F(10, 237) = 46.4
> 9
maximum lag: 4 Prob > F = 0.000
> 0
within R-squared = 0.201
> 5

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -	dtpl2m						
>]							
> -	ustpl2m	-.1364447	.2499401	-0.55	0.586	-.6288327	.355943
> 3	usyp12m	.0736196	.0183374	4.01	0.000	.0374944	.109744
> 7	cbp	.0435046	.0161835	2.69	0.008	.0116228	.075386
> 4	inf	4.612197	1.956744	2.36	0.019	.757364	8.4670
> 3	une	-1.617168	1.217931	-1.33	0.186	-4.016522	.782185
> 5	zfx	21.58769	3.68886	5.85	0.000	14.32054	28.8548
> 3	logvix	-20.63742	7.06649	-2.92	0.004	-34.55857	-6.71626
> 3	logepuus	-6.306283	2.460449	-2.56	0.011	-11.15343	-1.4591
> 4	logepugbl	1.287991	7.857409	0.16	0.870	-14.19129	16.7672
> 8	globalip	-.7979943	.6771743	-1.18	0.240	-2.132044	.536055
> 2	_cons	49.97442	50.03103	1.00	0.319	-48.58792	148.536
> 8							

> -

(e(Lags) = 4 added)
(e(R2) = .2014657 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 1.912, Pr = 0.0558

Average absolute value of the off-diagonal elements = 0.299

Regression with Driscoll-Kraay standard errors Number of obs = 249
> 3
Method: **Fixed-effects regression** Number of groups = 1
> 5
Group variable (i): **imf** F(10, 237) = 22.0
> 5
maximum lag: 4 Prob > F = 0.000
> 0
within R-squared = 0.273
> 5

> -		Drisc/Kraay					
	phil12m	Coefficient	std. err.	t	P> t	[95% conf. interval	
>]							
> -							
	ustp12m	-.070103	.2959501	-0.24	0.813	-.6531319	.512925
> 8	usyp12m	-.1219256	.0254336	-4.79	0.000	-.1720304	-.071820
> 9	cbp	-.0097039	.0206087	-0.47	0.638	-.0503036	.030895
> 8	inf	2.24193	1.57724	1.42	0.157	-.8652711	5.34913
> 2	une	4.506087	1.547437	2.91	0.004	1.4576	7.55457
> 5	zfx	-12.79984	4.705932	-2.72	0.007	-22.07064	-3.52904
> 2	logvix	65.56393	11.42333	5.74	0.000	43.0597	88.0681
> 6	logepuus	10.18695	3.866563	2.63	0.009	2.56973	17.8041
> 7							

```

logepugbl | -8.104991  8.886901  -0.91  0.363  -25.6124  9.40241
> 7
globalip |  3.720088  .7126033  5.22  0.000  2.316242  5.12393
> 3
_cons | -173.6979  52.36667  -3.32  0.001  -276.8615  -70.5342
> 7

```

> -

```

(e(Lags) = 4 added)
(e(R2) = .27353181 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 17.766, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.279

(file **x.tex** not found)

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Tables/f_y

> cdcmply.tex was replaced)

Regression with Driscoll-Kraay standard errors Number of obs = 249

> 3

Method: **Fixed-effects regression**

Number of groups = 1

> 5

Group variable (i): **imf**

F(10, 237) = 380.9

> 9

maximum lag: 4

Prob > F = 0.000

> 0

within R-squared = 0.822

> 7

```

> -
      nom24m |
              Drisc/Kraay
Coefficient  std. err.      t    P>|t|    [95% conf. interval
> ]

```

```

> -
ustp24m |  1.726217  .1930093   8.94  0.000   1.345984   2.1064
> 5
usyp24m | -.0188929  .0338646  -0.56  0.577  -.0856069   .04782
> 1
      cbp |  .6362972  .0214942  29.60  0.000   .5939532   .678641

```

```

> 3      inf |      7.264033      2.244715      3.24      0.001      2.84189      11.6861
> 8      une |      6.112624      2.195667      2.78      0.006      1.787107      10.4381
> 4      zfx |      24.3591      5.059777      4.81      0.000      14.39122      34.3269
> 8      logvix |      45.05902      7.334623      6.14      0.000      30.60964      59.5084
> 1      logepuus |      6.31476      3.756812      1.68      0.094      -1.08625      13.7157
> 7      logepugbl |     -53.73411      12.73416      -4.22      0.000      -78.82071     -28.6475
> 2      globalip |      2.335805      .5884266      3.97      0.000      1.176591      3.4950
> 2      _cons |      232.7053      69.80461      3.33      0.001      95.18854      370.22
> 2
> -

```

```

(e(Lags) = 4 added)
(e(R2) = .82272868 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

```

e(FE) : "Yes"

```

Pesaran's test of cross sectional independence = **4.225**, Pr = **0.0000**

Average absolute value of the off-diagonal elements = **0.224**

```

Regression with Driscoll-Kraay standard errors      Number of obs      =      249
> 3
Method: Fixed-effects regression                  Number of groups    =      1
> 5
Group variable (i): imf                            F( 10,   237)       =      206.3
> 9
maximum lag: 4                                     Prob > F             =      0.000
> 0
                                                    within R-squared    =      0.782
> 7

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -	dyp24m						
>]							
> -	ustp24m	1.552493	.2211566	7.02	0.000	1.116809	1.98817
> 6	usyp24m	.0496185	.0350207	1.42	0.158	-.019373	.118610
> 1	cbp	.6739999	.0303957	22.17	0.000	.6141197	.733880
> 1	inf	4.15373	3.072387	1.35	0.178	-1.898946	10.2064
> 1	une	.7054832	2.702104	0.26	0.794	-4.617727	6.02869
> 4	zfx	27.18943	5.368347	5.06	0.000	16.61366	37.765
> 2	logvix	-3.217925	14.30072	-0.23	0.822	-31.3907	24.9548
> 4	logepuus	-4.785879	5.205407	-0.92	0.359	-15.04066	5.46889
> 9	logepugbl	-34.24369	12.25066	-2.80	0.006	-58.37778	-10.1095
> 9	globalip	-1.941997	.9738658	-1.99	0.047	-3.860536	-.023457
> 9	_cons	301.3007	63.00457	4.78	0.000	177.1802	425.421
> 2							

> -

(e(Lags) = 4 added)
(e(R2) = .782693 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 13.717, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.254

```

Regression with Driscoll-Kraay standard errors    Number of obs    =      249
> 3
Method: Fixed-effects regression                Number of groups =       1
> 5
Group variable (i): imf                        F( 10,   237)    =     32.4
> 2
maximum lag: 4                                    Prob > F         =     0.000
> 0
                                                    within R-squared =     0.176
> 9

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -	ntp24m						
>]							
> -	ustp24m	.2341729	.1271842	1.84	0.067	-.0163831	.484728
> 9	usyp24m	.0614167	.0169104	3.63	0.000	.0281027	.094730
> 7	cbp	-.0048962	.0135149	-0.36	0.717	-.0315209	.021728
> 5	inf	4.087267	1.663363	2.46	0.015	.8104014	7.36413
> 3	une	.7542928	1.259069	0.60	0.550	-1.726104	3.23468
> 9	zfx	21.60145	3.194711	6.76	0.000	15.3078	27.8951
> 1	logvix	-13.83719	5.852275	-2.36	0.019	-25.36631	-2.30806
> 7	logepuus	-2.434574	2.243076	-1.09	0.279	-6.853488	1.9843
> 4	logepugbl	-6.50094	6.989098	-0.93	0.353	-20.26963	7.26775
> 2	globalip	.1690826	.4727431	0.36	0.721	-.7622325	1.10039
> 8	_cons	67.30063	41.16818	1.63	0.103	-13.80168	148.402
> 9							
> -							

```

(e(Lags) = 4 added)
(e(R2) = .17687359 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 1.584, Pr = 0.1131

Average absolute value of the off-diagonal elements = 0.309

Regression with Driscoll-Kraay standard errors Number of obs = 249
> 3
Method: **Fixed-effects regression** Number of groups = 1
> 5
Group variable (i): **imf** F(10, 237) = 28.9
> 8
maximum lag: 4 Prob > F = 0.000
> 0
within R-squared = 0.295
> 7

		Drisc/Kraay					
	phi24m	Coefficient	std. err.	t	P> t	[95% conf. interval	
>]							
> -							
	ustp24m	-.193242	.1834918	-1.05	0.293	-.5547253	.168241
> 3							
	usyp24m	-.1384793	.0259898	-5.33	0.000	-.1896798	-.087278
> 8							
	cbp	.0082531	.0226012	0.37	0.715	-.0362717	.05277
> 8							
	inf	1.566152	1.80642	0.87	0.387	-1.992538	5.12484
> 2							
	une	5.252705	1.627036	3.23	0.001	2.047405	8.45800
> 4							
	zfx	-14.43088	4.640374	-3.11	0.002	-23.57252	-5.2892
> 3							
	logvix	62.27594	11.57119	5.38	0.000	39.48042	85.0714
> 5							
	logepuus	10.91578	3.850017	2.84	0.005	3.331154	18.5004
> 1							
	logepugbl	-9.605607	9.17749	-1.05	0.296	-27.68548	8.47426
> 8							
	globalip	3.403171	.7673367	4.44	0.000	1.8915	4.91484
> 3							
	_cons	-159.5076	50.87779	-3.14	0.002	-259.7381	-59.2771
> 5							

> -

(e(Lags) = 4 added)
(e(R2) = .29567109 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 18.472, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.290

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Tables/f_y

> cdcmp2y.tex was replaced)

Regression with Driscoll-Kraay standard errors Number of obs = 249

> 3

Method: **Fixed-effects regression**

Number of groups = 1

> 5

Group variable (i): **imf**

F(10, 237) = 187.4

> 9

maximum lag: 4

Prob > F = 0.000

> 0

within R-squared = 0.763

> 9

		Drisc/Kraay					
	nom60m	Coefficient	std. err.	t	P> t	[95% conf. interval	
>]							
> -							
	ustp60m	1.308683	.1462465	8.95	0.000	1.020574	1.59679
> 2							
	usyp60m	.0589845	.0542672	1.09	0.278	-.0479231	.165892
> 1							
	cbp	.4374213	.0222589	19.65	0.000	.3935707	.481271
> 9							
	inf	10.05596	2.296855	4.38	0.000	5.531098	14.5808
> 2							
	une	14.20198	2.65155	5.36	0.000	8.978364	19.425
> 6							
	zfx	32.71854	5.687392	5.75	0.000	21.51424	43.9228
> 4							
	logvix	52.04824	9.12424	5.70	0.000	34.07327	70.0232

```

> 1
logepuus | 6.512831 4.972195 1.31 0.192 -3.282513 16.3081
> 7
logepugbl | -56.2336 15.42913 -3.64 0.000 -86.62935 -25.8378
> 5
globalip | 1.8519 .7890365 2.35 0.020 .297479 3.40632
> 1
_cons | 296.0598 77.54308 3.82 0.000 143.298 448.821
> 5

```

```

> -

```

```

(e(Lags) = 4 added)
(e(R2) = .76386487 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

```

e(FE) : "Yes"

```

Pesaran's test of cross sectional independence = 9.183, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.219

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   249
> 3
Method: Fixed-effects regression                 Number of groups =    1
> 5
Group variable (i): imf                         F( 10, 237)      =  193.4
> 0
maximum lag: 4                                  Prob > F          =   0.000
> 0
                                                within R-squared =   0.773
> 3

```

```

> -

```

		Drisc/Kraay				
	dyp60m	Coefficient	std. err.	t	P> t	[95% conf. interval
>]						
> -	ustp60m	.9487847	.1211871	7.83	0.000	.7100433 1.18752
> 6	usyp60m	.1952723	.0403585	4.84	0.000	.115765 .274779
> 6	cbp	.556852	.0250512	22.23	0.000	.5075006 .606203
> 5						


```

      inf | 4.330177 2.705746 1.60 0.111 -1.000208 9.66056
> 2      une | .8343896 2.666467 0.31 0.755 -4.418614 6.08739
> 3      zfx | 30.88644 4.871907 6.34 0.000 21.28867 40.4842
> 2      logvix | -6.758225 13.18853 -0.51 0.609 -32.73995 19.223
> 5      logepuus | -7.071401 4.324132 -1.64 0.103 -15.59005 1.44724
> 4      logepugbl | -27.38257 11.15538 -2.45 0.015 -49.35893 -5.40620
> 2      globalip | -1.464455 .9648733 -1.52 0.130 -3.365278 .436368
> 6      _cons | 285.1117 51.58312 5.53 0.000 183.4917 386.731
> 7

```

```

> -

```

```

(e(Lags) = 4 added)
(e(R2) = .77328091 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

```

      e(FE) : "Yes"

```

Pesaran's test of cross sectional independence = 10.521, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.246

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   249
> 3
Method: Fixed-effects regression               Number of groups =    1
> 5
Group variable (i): imf                        F( 10, 237)     =   20.2
> 6
maximum lag: 4                                   Prob > F         =   0.000
> 0
                                                within R-squared =   0.201
> 0

```

		Drisc/Kraay					
		Coefficient	std. err.	t	P> t	[95% conf. interval	
> -	dtp60m						
>]							
> -	ustp60m	.5760873	.0687423	8.38	0.000	.4406634	.711511
> 3	usyp60m	.0073103	.0260071	0.28	0.779	-.0439242	.058544
> 8	cbp	-.0835008	.0140757	-5.93	0.000	-.1112302	-.055771
> 4	inf	3.489828	1.286141	2.71	0.007	.9560992	6.02355
> 6	une	5.69412	1.986131	2.87	0.005	1.781395	9.60684
> 6	zfx	18.94787	2.476783	7.65	0.000	14.06854	23.8271
> 9	logvix	9.545991	5.685672	1.68	0.094	-1.654918	20.746
> 9	logepuus	3.023981	1.838704	1.64	0.101	-.5983098	6.64627
> 2	logepugbl	-16.93399	7.624026	-2.22	0.027	-31.9535	-1.91447
> 1	globalip	1.083047	.2929848	3.70	0.000	.5058602	1.66023
> 4	_cons	99.60378	45.13882	2.21	0.028	10.67923	188.528
> 3							

> -

(e(Lags) = 4 added)
(e(R2) = .201006 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 7.646, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.301

```

Regression with Driscoll-Kraay standard errors   Number of obs   =       249
> 3
Method: Fixed-effects regression               Number of groups =        1
> 5
Group variable (i): imf                        F( 10,   237)    =       15.1
> 3
maximum lag: 4                                   Prob > F         =       0.000
> 0
                                                within R-squared =       0.241
> 6

```

		Drisc/Kraay					
	phi60m	Coefficient	std. err.	t	P> t	[95% conf. interval	
> -							
> 5	ustp60m	-.2486221	.1241551	-2.00	0.046	-.4932107	-.004033
> 4	usyp60m	-.1700926	.0361448	-4.71	0.000	-.2412988	-.098886
> 8	cbp	-.0033676	.0189137	-0.18	0.859	-.040628	.033892
> 2	inf	2.582843	1.665593	1.55	0.122	-.6984152	5.86410
> 8	une	7.5293	1.758142	4.28	0.000	4.065718	10.9928
> 2	zfx	-12.91921	4.220518	-3.06	0.002	-21.23373	-4.60469
> 3	logvix	49.40742	10.16479	4.86	0.000	29.38254	69.432
> 7	logepuus	9.084113	3.971048	2.29	0.023	1.261052	16.9071
> 8	logepugbl	-13.45855	9.093907	-1.48	0.140	-31.37376	4.45666
> 3	globalip	2.220759	.8710265	2.55	0.011	.5048162	3.93670
> 3	_cons	-80.39143	46.01505	-1.75	0.082	-171.0422	10.2593
> -							

```

(e(Lags) = 4 added)
(e(R2) = .24161401 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 18.983, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.253

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Tables/f_y

> cdcmp5y.tex was replaced)

```
Regression with Driscoll-Kraay standard errors   Number of obs   =       249
> 3
Method: Fixed-effects regression                 Number of groups =         1
> 5
Group variable (i): imf                         F( 10,   237)    =       91.6
> 3
maximum lag: 4                                  Prob > F         =       0.000
> 0
                                                within R-squared =       0.689
> 1
```

	Coefficient	Drisc/Kraay std. err.	t	P> t	[95% conf. interval	
noml20m						
ustpl20m	.9344699	.1228341	7.61	0.000	.6924838	1.17645
usyp120m	.1827372	.091598	1.99	0.047	.002287	.363187
cbp	.2685454	.0220888	12.16	0.000	.22503	.312060
inf	12.80564	2.257549	5.67	0.000	8.358209	17.2530
une	22.23125	2.669278	8.33	0.000	16.97271	27.4897
zfx	45.6013	6.439818	7.08	0.000	32.9147	58.2878
logvix	46.28732	11.34502	4.08	0.000	23.93735	68.6372
logepuus	5.510868	5.881298	0.94	0.350	-6.075431	17.0971
logepugbl	-51.07034	19.55506	-2.61	0.010	-89.59427	-12.5464
globalip	.7783744	1.056293	0.74	0.462	-1.302547	2.85929

	_cons	306.6083	91.52233	3.35	0.001	126.3071	486.909
--	-------	----------	----------	------	-------	----------	---------

> -

(e(Lags) = 4 added)
(e(R2) = .68914839 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 12.045, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.221

Regression with Driscoll-Kraay standard errors	Number of obs	=	249
> 3			
Method: Fixed-effects regression	Number of groups	=	1
> 5			
Group variable (i): imf	F(10, 237)	=	180.5
> 8			
maximum lag: 4	Prob > F	=	0.000
> 0			
	within R-squared	=	0.762
> 4			

		Drisc/Kraay				
	dyp120m	Coefficient	std. err.	t	P> t	[95% conf. interval
	>]					
> -						
> 2	ustp120m	.5647018	.084593	6.68	0.000	.3980516 .73135
> 8	usyp120m	.3572617	.0546994	6.53	0.000	.2495026 .465020
> 3	cbp	.4441895	.0193657	22.94	0.000	.4060387 .482340
> 6	inf	4.252213	2.282909	1.86	0.064	-.2451732 8.749
> 6	une	.3825922	2.479497	0.15	0.878	-4.502076 5.2672
> 5	zfx	39.21735	4.866945	8.06	0.000	29.62935 48.8053
	logvix	-9.702806	10.8144	-0.90	0.371	-31.00744 11.6018

```

> 3
logepuus | -8.647417 3.596985 -2.40 0.017 -15.73356 -1.5612
> 7
logepugbl | -32.41198 10.44813 -3.10 0.002 -52.99505 -11.8289
> 1
globalip | -.9772286 .8889718 -1.10 0.273 -2.728524 .774067
> 3
_cons | 260.0814 43.19909 6.02 0.000 174.9782 345.184
> 7

```

```

> -

```

```

(e(Lags) = 4 added)
(e(R2) = .76239613 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

```

e(FE) : "Yes"

```

Pesaran's test of cross sectional independence = 5.011, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.227

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   249
> 3
Method: Fixed-effects regression                 Number of groups =    1
> 5
Group variable (i): imf                         F( 10, 237)     =   32.2
> 6
maximum lag: 4                                  Prob > F         =   0.000
> 0
                                                within R-squared =   0.311
> 7

```

```

> -

```

		Drisc/Kraay				
	Coefficient	std. err.	t	P> t	[95% conf. interval	
dtpl20m						
>]						
> -						
ustpl20m	.7057785	.0606803	11.63	0.000	.5862369	.825320
> 1						
usyp120m	.0049107	.0446665	0.11	0.913	-.0830834	.092904
> 7						
cbp	-.1026726	.018464	-5.56	0.000	-.1390471	-.06629
> 8						

```

      inf | 4.505703 1.431841 3.15 0.002 1.684942 7.32646
> 4      une | 9.798401 2.326691 4.21 0.000 5.214763 14.3820
> 4      zfx | 20.29334 2.349729 8.64 0.000 15.66432 24.9223
> 6      logvix | 19.36701 7.756814 2.50 0.013 4.0859 34.6481
> 2      logepuus | 2.90297 2.010148 1.44 0.150 -1.05707 6.86300
> 9      logepugbl | -11.72427 10.0211 -1.17 0.243 -31.46608 8.01754
> 3      globalip | .9657959 .4017539 2.40 0.017 .174331 1.75726
> 1      _cons | 117.2678 58.13722 2.02 0.045 2.736048 231.799
> 5

```

```

> -

```

```

(e(Lags) = 4 added)
(e(R2) = .31166442 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

```

added macro:

```

      e(FE) : "Yes"

```

Pesaran's test of cross sectional independence = 6.627, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.234

```

Regression with Driscoll-Kraay standard errors   Number of obs   =   249
> 3
Method: Fixed-effects regression               Number of groups =    1
> 5
Group variable (i): imf                        F( 10, 237)     =   14.3
> 2
maximum lag: 4                                   Prob > F         =   0.000
> 0
                                                within R-squared =   0.247
> 2

```

		Drisc/Kraay				
		Coefficient	std. err.	t	P> t	[95% conf. interval
> -	phil120m					
>]						
> -	ustp120m	-.3059466	.0757233	-4.04	0.000	-.4551234 -.156769
> 9	usyp120m	-.2188918	.0574913	-3.81	0.000	-.3321512 -.105632
> 5	cbp	-.0391998	.0107611	-3.64	0.000	-.0603995 -.018000
> 1	inf	3.6761	1.428726	2.57	0.011	.8614757 6.49072
> 5	une	11.29224	1.522156	7.42	0.000	8.293553 14.2909
> 2	zfx	-9.646848	3.99104	-2.42	0.016	-17.50929 -1.78440
> 3	logvix	37.19454	7.646756	4.86	0.000	22.13024 52.2588
> 3	logepuus	10.72524	4.139292	2.59	0.010	2.570733 18.8797
> 4	logepugbl	-10.26696	9.375743	-1.10	0.275	-28.7374 8.20347
> 5	globalip	.9226513	.8549903	1.08	0.282	-.7617001 2.60700
> 3	_cons	-48.61597	45.261	-1.07	0.284	-137.7812 40.5492
> 9						

> -

(e(Lags) = 4 added)
(e(R2) = .24717937 added)
(e(Countries) = 15 added)
(e(Obs) = 2493 added)

added macro:

e(FE) : "Yes"

Pesaran's test of cross sectional independence = 16.335, Pr = 0.0000

Average absolute value of the off-diagonal elements = 0.279

(output written to x.tex)

(file /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Tables/f_y

> cdcmpl0y.tex was replaced)


```
295 . erase x.tex

296 . * -----
    > -----
297 .
    end of do-file

298 . log close
      name: <unnamed>
      log:  /Users/Pavel/Documents/GitHub/Dissertation/Ch_Synthetic/Docs/Tab
> les/impact_regs.smcl
      log type: smcl
      closed on:  5 Oct 2021, 12:26:37
```
