```
      name:  <unnamed>
       log:  /Users/nathanielhugospilka/Documents/Thesis/quant_work/output/ana
> lyses/reg_results_2023-02-02.smcl
  log type:  smcl
 opened on:   2 Feb 2023, 04:43:08

1 .
2 . ********************************************************************************
> ***
3 . ** simple regressions
4 . ********************************************************************************
> ***
5 .
6 . regress crime_rate dycd_site, robust

Linear regression                               Number of obs     =     19,098
                                                F(1, 19096)       =      13.65
                                                Prob > F          =     0.0002
                                                R-squared         =     0.0023
                                                Root MSE          =     3911.3

------------------------------------------------------------------------------
             |               Robust
  crime_rate | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
   dycd_site |   465.8541   126.0742     3.70   0.000     218.7375    712.9707
       _cons |   543.9255   16.90493    32.18   0.000     510.7903    577.0607
------------------------------------------------------------------------------

7 .
8 . xtreg crime_rate dycd_site, i(geoid) fe vce(robust)

Fixed-effects (within) regression               Number of obs     =     19,098
Group variable: geoid                           Number of groups  =      6,366

R-squared:                                      Obs per group:
     Within  = 0.0004                                         min =          3
     Between = 0.0053                                         avg =        3.0
     Overall = 0.0023                                         max =          3

                                                F(1,6365)         =       7.37
corr(u_i, Xb) = -0.0890                         Prob > F          =     0.0066
```

(Std. err. adjusted for **6,366** clusters in geoid)

crime_rate	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
dycd_site	**-241.0148**	**88.77484**	**-2.71**	**0.007**	**-415.0434**	**-66.98622**
_cons	**684.5368**	**17.65921**	**38.76**	**0.000**	**649.9188**	**719.1548**
sigma_u	**3170.4418**					
sigma_e	**2826.5922**					
rho	**.55714873**	(fraction of variance due to u_i)				

```
 9 .
10 . xtreg crime_rate dycd_site i.year, i(geoid) fe vce(robust)
```

Fixed-effects (within) regression — Number of obs = **19,098**
Group variable: **geoid** — Number of groups = **6,366**

R-squared:
- Within = **0.0032**
- Between = **0.0053**
- Overall = **0.0003**

Obs per group: min = **3**, avg = **3.0**, max = **3**

F(**3,6365**) = **12.47**
corr(u_i, Xb) = **-0.0200** — Prob > F = **0.0000**

(Std. err. adjusted for **6,366** clusters in geoid)

crime_rate	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
dycd_site	**-91.24847**	**94.03876**	**-0.97**	**0.332**	**-275.5961**	**93.09917**
year						
2020	**-260.8125**	**67.42189**	**-3.87**	**0.000**	**-392.9821**	**-128.6429**
2021	**-276.3558**	**55.53735**	**-4.98**	**0.000**	**-385.2277**	**-167.4839**
_cons	**833.8012**	**38.95195**	**21.41**	**0.000**	**757.4422**	**910.1601**
sigma_u	**3165.5644**					
sigma_e	**2822.741**					
rho	**.55706181**	(fraction of variance due to u_i)				

```
11 .
12 . ********************************************************************************
   > ***
13 . ** regression with economic controls
14 . ********************************************************************************
   > ***
15 .
16 . xtreg crime_rate dycd_site ///
   > imputed_mhhi imputed_prcnt_unemp ///
   > i.year, i(geoid) fe vce(robust)

   Fixed-effects (within) regression               Number of obs     =     19,098
   Group variable: geoid                           Number of groups  =      6,366

   R-squared:                                      Obs per group:
        Within  = 0.0034                                         min =          3
        Between = 0.0001                                         avg =        3.0
        Overall = 0.0011                                         max =          3

                                                   F(5,6365)         =      14.78
   corr(u_i, Xb) = -0.0096                         Prob > F          =     0.0000

                                      (Std. err. adjusted for 6,366 clusters in
   >  geoid)
   ------------------------------------------------------------------------------
   > -------
                        |               Robust
              crime_rate | Coefficient  std. err.      t    P>|t|     [95% conf. in
   > terval]
   ------------------------------------------------------------------------------
   > -------
               dycd_site |  -91.96999   93.87251    -0.98   0.327    -275.9917    9
   > 2.05175
             imputed_mhhi |  -.0012444   .0013154    -0.95   0.344     -.003823    .
   > 0013341
   imputed_prcnt_unemp |   7.379787   9.156128     0.81   0.420    -10.56931    2
   > 5.32888
                        |
                    year |
                    2020 |  -260.7245   71.30705    -3.66   0.000    -400.5103   -1
   > 20.9387
                    2021 |  -279.1701   67.34656    -4.15   0.000     -411.192   -1
   > 47.1482
                        |
                   _cons |     879.84   117.9892     7.46   0.000     648.5415    1
   > 111.138
   ------------------------------------------------------------------------------
   > -------
                  sigma_u |  3163.4119
```

```
            sigma_e │  2822.7306
                rho │  .55672793   (fraction of variance due to u_i)
------------------------------------------------------------------------------
> ------

17 .
18 . ********************************************************************************
> ***
19 . ** regression with demographic controls
20 . ********************************************************************************
> ***
21 .
22 . xtreg crime_rate dycd_site ///
> total_pop /* prcnt_white */ prcnt_black prcnt_hisp prcnt_asian prcnt_all_oth
> er prcnt_yth_yng_adlt ///
> i.year, i(geoid) fe vce(robust)

Fixed-effects (within) regression               Number of obs     =     19,098
Group variable: geoid                           Number of groups  =      6,366

R-squared:                                      Obs per group:
     Within  = 0.0065                                         min =          3
     Between = 0.0008                                         avg =        3.0
     Overall = 0.0013                                         max =          3

                                                F(9,6365)         =      18.61
corr(u_i, Xb) = -0.1524                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 6,366 clusters in
> geoid)
------------------------------------------------------------------------------
> ------
             |               Robust
  crime_rate | Coefficient  std. err.      t    P>|t|     [95% conf. int
> erval]
-------------+----------------------------------------------------------------
> ------
   dycd_site |  -85.23846   98.83468    -0.86   0.388    -278.9877    10
> 8.5108
   total_pop |  -.4981145   .0822651    -6.05   0.000    -.6593817   -.3
> 368472
 prcnt_black |  -3.386347   21.59061    -0.16   0.875    -45.71122    38
> .93852
  prcnt_hisp |   13.59935   10.47587     1.30   0.194    -6.936885    34
> .13559
 prcnt_asian |   24.33684   20.18343     1.21   0.228    -15.22947    63
> .90316
prcnt_all_~r |   28.86761   28.51155     1.01   0.311    -27.02464    84
> .75986
```

```
prcnt_yth_yng_adlt |   9.460236   10.97602     0.86   0.389    -12.05646    30
> .97693
                   |
              year |
              2020 |   -269.374   78.15453    -3.45   0.001    -422.5832   -11
> 6.1648
              2021 |   -260.468   69.10146    -3.77   0.000    -395.9301   -12
> 5.0058
                   |
             _cons |   658.9812   384.6131     1.71   0.087    -94.99008    14
> 12.952
-------------------+------------------------------------------------------------
> ------
           sigma_u |  3202.8562
           sigma_e |  2818.7409
               rho |  .56353109   (fraction of variance due to u_i)
------------------------------------------------------------------------------
> ------

23 .
24 . ********************************************************************************
   > ***
25 . ** regression with education controls
26 . ********************************************************************************
   > ***
27 .
28 . xtreg crime_rate dycd_site ///
   > /*prcnt_hs_no_ba_deg */ prcnt_hs_no_ba_deg prcnt_ba_or_hghr_deg ///
   > i.year, i(geoid) fe vce(robust)

Fixed-effects (within) regression               Number of obs     =     19,098
Group variable: geoid                           Number of groups  =      6,366

R-squared:                                      Obs per group:
     Within  = 0.0041                                         min =          3
     Between = 0.0008                                         avg =        3.0
     Overall = 0.0014                                         max =          3

                                                F(5,6365)         =      10.57
corr(u_i, Xb) = -0.0635                         Prob > F          =     0.0000
```

```
                                              (Std. err. adjusted for 6,366 clusters i
> n geoid)
------------------------------------------------------------------------------
> --------
             |               Robust
  crime_rate |  Coefficient  std. err.      t    P>|t|     [95% conf. i
> nterval]
-------------+----------------------------------------------------------------
> --------
   dycd_site |   -91.62015   94.12025    -0.97   0.330    -276.1275
> 92.88723
  prcnt_hs_no_ba_deg |   -12.84809   10.25516    -1.25   0.210    -32.95166
> 7.255473
prcnt_ba_or_hghr_deg |   -20.03007   12.95471    -1.55   0.122    -45.42567
> 5.365533
             |
        year |
        2020 |   -247.3822   61.77149    -4.00   0.000    -368.4751   -
> 126.2892
        2021 |   -253.6596   46.15571    -5.50   0.000    -344.1404   -
> 163.1789
             |
       _cons |    2159.925   930.6398     2.32   0.020     335.5574
> 3984.292
------------------------------------------------------------------------------
> --------
     sigma_u |  3169.5606
     sigma_e |  2821.6929
         rho |   .5578675   (fraction of variance due to u_i)
------------------------------------------------------------------------------
> --------

. 
. ********************************************************************************
> ***
. ** regression with all controls (full force)
. ********************************************************************************
> ***
```

```
33 .
34 . xtreg crime_rate dycd_site ///
   > imputed_mhhi imputed_prcnt_unemp ///
   > total_pop /* prcnt_white */ prcnt_black prcnt_hisp prcnt_asian prcnt_all_oth
   > er prcnt_yth_yng_adlt ///
   > /*prcnt_hs_no_ba_deg */ prcnt_hs_no_ba_deg prcnt_ba_or_hghr_deg ///
   > i.year, i(geoid) fe vce(robust)

   Fixed-effects (within) regression               Number of obs     =     19,098
   Group variable: geoid                           Number of groups  =      6,366

   R-squared:                                      Obs per group:
        Within  = 0.0073                                         min =          3
        Between = 0.0010                                         avg =        3.0
        Overall = 0.0015                                         max =          3

                                                   F(13,6365)        =      21.66
   corr(u_i, Xb) = -0.1786                         Prob > F          =     0.0000

                                      (Std. err. adjusted for 6,366 clusters i
   > n geoid)
   ------------------------------------------------------------------------------
   > --------
                        |               Robust
                  crime_rate | Coefficient  std. err.      t    P>|t|     [95% conf. i
   > nterval]
   ------------------------------------------------------------------------------
   > --------
                   dycd_site |  -84.59965   99.18792    -0.85   0.394    -279.0414
   > 109.8421
                 imputed_mhhi |   .0006622   .0014638     0.45   0.651    -.0022072
   > .0035317
          imputed_prcnt_unemp |   7.484813   8.990818     0.83   0.405    -10.14022
   > 25.10984
                    total_pop |  -.5104593     .09448    -5.40   0.000    -.6956719   -
   > .3252467
                  prcnt_black |  -6.31033   22.16216    -0.28   0.776    -49.75562
   > 37.13496
                   prcnt_hisp |   9.856086   9.051195     1.09   0.276    -7.887303
   > 27.59948
                  prcnt_asian |   22.39075   19.85823     1.13   0.260    -16.53808
   > 61.31957
              prcnt_all_other |   25.54902   27.37344     0.93   0.351    -28.11214
   > 79.21018
            prcnt_yth_yng_adlt |   7.700598   10.29038     0.75   0.454      -12.472
   >  27.8732
            prcnt_hs_no_ba_deg |  -8.99051   7.446093    -1.21   0.227    -23.58736
   > 5.606341
          prcnt_ba_or_hghr_deg |  -17.0836   11.20772    -1.52   0.127     -39.0545
```

```
> 4.887294
                    │
                year │
               2020 │  -262.0804   79.07068    -3.31   0.001    -417.0856   -
> 107.0752
               2021 │  -252.5168   76.39229    -3.31   0.001    -402.2714   -
> 102.7622
                    │
              _cons │   1846.889   751.5557     2.46   0.014     373.5872
> 3320.192
────────────────────┼──────────────────────────────────────────────────────────
> ────────
            sigma_u │  3217.2961
            sigma_e │  2818.1406
                rho │  .56584731   (fraction of variance due to u_i)
──────────────────────────────────────────────────────────────────────────────
> ────────

35 .
36 .
37 . log close
       name:  <unnamed>
        log:  /Users/nathanielhugospilka/Documents/Thesis/quant_work/output/ana
> lyses/reg_results_2023-02-02.smcl
  log type:  smcl
 closed on:   2 Feb 2023, 04:43:10
──────────────────────────────────────────────────────────────────────────────
```