Statistics/Data analysis

```
      name:  <unnamed>
       log:  D:\Thesis\Code\Spells_Nia_2026_CODE.smcl
  log type:  smcl
 opened on:   9 Apr 2026, 10:07:03

1 .
2 . *1. Import Dataset
3 . use "D:\Thesis\Processed Data\Spells_Nia_NETSBikeNetworkData.dta", clear

4 .
5 . **delcare panel
6 . xtset nta_id_num year

  Panel variable: nta_id_num (strongly balanced)
   Time variable: year, 2007 to 2019
           Delta: 1 unit

7 .
8 .
9 . *2. Borusyak & Hull Recentering for Connectivity
10. ** run regression with year FE and clustering by NTA
11. reghdfe connectivity coverage_2007 log_bike_miles_2007 street_width if year > 2007,
  > absorb(year) cluster(nta_id)
  (MWFE estimator converged in 1 iterations)

  HDFE Linear regression                            Number of obs   =      2,160
  Absorbing 1 HDFE group                            F(   3,    179) =      18.91
  Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                    R-squared       =     0.3471
                                                    Adj R-squared   =     0.3429
                                                    Within R-sq.    =     0.3353
  Number of clusters (nta_id)  =        180        Root MSE        =     0.0506

                                       (Std. err. adjusted for 180 clusters in nta_id)
------------------------------------------------------------------------------
             |               Robust
  connectivity |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
  coverage_2007 |   .0217387   .0115089     1.89   0.061    -.000972    .0444494
log_bike_miles_2007 |  -.0327082   .0066917    -4.89   0.000    -.0459129   -.0195035
  street_width |  -.0026306   .0008975    -2.93   0.004    -.0044016   -.0008596
         _cons |   .1738731   .0362189     4.80   0.000     .1024021     .245344
------------------------------------------------------------------------------

  Absorbed degrees of freedom:
-----------------------------------------------------+
 Absorbed FE | Categories  - Redundant  = Num. Coefs |
-------------+---------------------------------------|
        year |         12           0          12    |
-----------------------------------------------------+

12.
13. ** store model to memory for later export
14. estimates store connectivity_model

15.
16. ** generate fitted values (_mu)
17. predict connectivity_mu, xb
```

```
18.
19. ** generate recentered residual (_tilde)
20. gen connectivity_tilde = connectivity - connectivity_mu

21.
22. *3. Borusyak & Hull Recentering for Betweenness
23.
24. reghdfe betweenness coverage_2007 log_bike_miles_2007 street_width if year > 2007, a
  > bsorb(year)
  (MWFE estimator converged in 1 iterations)

  HDFE Linear regression                            Number of obs   =      2,160
  Absorbing 1 HDFE group                            F(   3,   2145) =     180.57
                                                    Prob > F        =     0.0000
                                                    R-squared       =     0.2352
                                                    Adj R-squared   =     0.2302
                                                    Within R-sq.    =     0.2016
                                                    Root MSE        =   620.1988

------------------------------------------------------------------------------
  betweenness | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
--------------+---------------------------------------------------------------
coverage_2007 |   688.6164   66.30754    10.39   0.000     558.5826    818.6502
log_bike_miles_2007 |   125.1704   15.20859     8.23   0.000     95.34532    154.9956
street_width |  -32.33119   4.649421    -6.95   0.000    -41.44903   -23.21334
       _cons |   1133.147   161.6759     7.01   0.000     816.0893    1450.205
------------------------------------------------------------------------------

  Absorbed degrees of freedom:

  +-----------------+---------------------+-----------+
  |  Absorbed FE    | Categories  - Redundant | = Num. Coefs |
  +-----------------+---------------------+-----------+
  |            year |          12         0 |          12 |
  +-----------------+---------------------+-----------+

25.
26. estimates store betweenness_model

27.
28. predict betweenness_mu, xb

29.
30. gen betweenness_tilde = betweenness - betweenness_mu

31.
32. ** save dataset with the recentered variables
33. save "D:\Thesis\Processed Data\Spells_Nia_NETSRecenteredBikeNetworkData.dta", replac
  > e
  (file D:\Thesis\Processed Data\Spells_Nia_NETSRecenteredBikeNetworkData.dta not
      found)
  file D:\Thesis\Processed Data\Spells_Nia_NETSRecenteredBikeNetworkData.dta saved

34.
35. export delimited using "D:\Thesis\Processed Data\Spells_Nia_NETSRecenteredBikeNetwor
  > kData.csv", replace
  (file D:\Thesis\Processed Data\Spells_Nia_NETSRecenteredBikeNetworkData.csv not
      found)
  file D:\Thesis\Processed Data\Spells_Nia_NETSRecenteredBikeNetworkData.csv saved

36.
```

```
37. *4. Balance Test Regression: Connectivity
38. reghdfe L.connectivity_tilde L.coverage L.log_bikemiles log_income log_med_rent log_
  > pop unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_id_num year) clus
  > ter(nta_id_num)
  (MWFE estimator converged in 2 iterations)

HDFE Linear regression                            Number of obs   =      2,160
Absorbing 2 HDFE groups                           F(   7,    179) =      11.05
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.8685
                                                  Adj R-squared   =     0.8553
                                                  Within R-sq.    =     0.5757
Number of clusters (nta_id_num) =        180      Root MSE        =     0.0203

                                (Std. err. adjusted for 180 clusters in nta_id_num)
------------------------------------------------------------------------------
             |               Robust
L.           |
connectivity_ti~e | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
          coverage |
                L1. |   .1105854   .0241785     4.57   0.000     .0628739    .1582968
             |
       log_bikemiles |
                L1. |   -.075762   .0116995    -6.48   0.000    -.0988486   -.0526754
             |
          log_income |   -.183563   .1940394    -0.95   0.345     -.566462    .1993359
        log_med_rent |   .6039131   .6245578     0.97   0.335    -.6285303    1.836356
             log_pop |  -.0030198   .0035692    -0.85   0.399     -.010063    .0040234
   unemployment_rate |  -6.258475   5.789384    -1.08   0.281     -17.6827    5.165747
   pct_nvehicle_comm |   .4077213    .267135     1.53   0.129    -.1194178    .9348603
               _cons |  -2.206685   2.414323    -0.91   0.362    -6.970881    2.557512
------------------------------------------------------------------------------

Absorbed degrees of freedom:
-----------------------------------------------------------------+
  Absorbed FE | Categories  - Redundant  = Num. Coefs |
--------------+--------------------------------------+
  nta_id_num |        180          180          0     * |
        year |         12            1         11       |
-----------------------------------------------------------------+
* = FE nested within cluster; treated as redundant for DoF computation

39.
40. estimates store balance_connectivity

41.
42. *5. Balance Test Regression: Betweenness
43. reghdfe L.betweenness_tilde L.coverage L.log_bikemiles log_income log_med_rent log_p
  > op unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_id_num year) clust
  > er(nta_id_num)
  (MWFE estimator converged in 2 iterations)

HDFE Linear regression                            Number of obs   =      2,160
Absorbing 2 HDFE groups                           F(   7,    179) =       5.66
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.7353
                                                  Adj R-squared   =     0.7087
                                                  Within R-sq.    =     0.1592
Number of clusters (nta_id_num) =        180      Root MSE        =   314.4455

                                (Std. err. adjusted for 180 clusters in nta_id_num)
------------------------------------------------------------------------------
             |               Robust
L.           |
betweenness_tilde | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
          coverage |
                L1. |   1051.89   308.8102     3.41   0.001     442.5134    1661.267
             |
       log_bikemiles |
                L1. |   43.7884   46.46818     0.94   0.347    -47.90751    135.4843
             |
          log_income |  -3450.557   5428.345    -0.64   0.526    -14162.34    7261.227
------------------------------------------------------------------------------
```

log_med_rent	**9045.077**	**13813.22**	**0.65**	**0.513**	**-18212.63**	**36302.78**
log_pop	**83.26034**	**130.4054**	**0.64**	**0.524**	**-174.0694**	**340.59**
unemployment_rate	**-104686.3**	**101467.5**	**-1.03**	**0.304**	**-304912.6**	**95540.03**
pct_nvehicle_comm	**1257.251**	**4068.173**	**0.31**	**0.758**	**-6770.498**	**9284.999**
_cons	**-25725.53**	**40768.2**	**-0.63**	**0.529**	**-106173.6**	**54722.59**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id_num	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
44.
45. estimates store balance_betweenness

46.
47. *6. Outcome Regressions: Connectivity
48. ** outcome 1: log-ratio
49. reghdfe log_sitdownrest L.connectivity_tilde L.coverage L.log_bikemiles log_income l
  > og_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_i
  > d year) cluster(nta_id)
  (MWFE estimator converged in 3 iterations)
```

HDFE Linear regression — Number of obs = **2,159**
Absorbing 2 HDFE groups — F(**8**, **179**) = **8.31**
Statistics robust to heteroskedasticity — Prob > F = **0.0000**
R-squared = **0.9328**
Adj R-squared = **0.9260**
Within R-sq. = **0.0367**
Number of clusters (**nta_id**) = **180** — Root MSE = **0.0952**

(Std. err. adjusted for **180** clusters in **nta_id**)

log_sitdownrest	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**-.1218221**	**.1679516**	**-0.73**	**0.469**	**-.4532418**	**.2095977**
coverage L1.	**-.0015087**	**.0449716**	**-0.03**	**0.973**	**-.0902514**	**.0872339**
log_bikemiles L1.	**.003105**	**.0150857**	**0.21**	**0.837**	**-.0266638**	**.0328738**
log_income	**-.0984193**	**1.168071**	**-0.08**	**0.933**	**-2.403379**	**2.206541**
log_med_rent	**1.80913**	**3.322252**	**0.54**	**0.587**	**-4.746687**	**8.364948**
log_pop	**-.1241221**	**.0172182**	**-7.21**	**0.000**	**-.158099**	**-.0901452**
unemployment_rate	**-22.32854**	**28.54471**	**-0.78**	**0.435**	**-78.65597**	**33.99888**
pct_nvehicle_comm	**1.172735**	**1.199731**	**0.98**	**0.330**	**-1.1947**	**3.540171**
_cons	**-13.02693**	**11.51718**	**-1.13**	**0.260**	**-35.75386**	**9.699989**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
50.
51. estimates store conn_ratio

52.
53. ** outcome 2: raw establishment count
54. reghdfe count_sitdownrestaurants L.connectivity_tilde L.coverage L.log_bikemiles log
  > _income log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, abs
  > orb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

HDFE Linear regression                            Number of obs   =      2,160
Absorbing 2 HDFE groups                           F(   8,    179) =      10.64
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.9819
                                                  Adj R-squared   =     0.9801
                                                  Within R-sq.    =     0.2468
Number of clusters (nta_id)  =        180        Root MSE        =    14.7569

                                  (Std. err. adjusted for 180 clusters in nta_id)
------------------------------------------------------------------------------
count_sitdownres~s | Coefficient  Robust std. err.      t    P>|t|     [95% conf. interval]
-------------------+----------------------------------------------------------------
connectivity_tilde |
               L1. |  -42.91503   27.38379    -1.57   0.119    -96.95161    11.12155
                   |
          coverage |
               L1. |   57.49972   13.31489     4.32   0.000     31.22537    83.77407
                   |
     log_bikemiles |
               L1. |  -8.373891   3.030656    -2.76   0.006     -14.3543   -2.393481
                   |
        log_income |  -27.89287   183.0405    -0.15   0.879    -389.0877     333.302
      log_med_rent |   138.0868   440.4481     0.31   0.754    -731.0519    1007.225
           log_pop |   5.111382    3.50813     1.46   0.147     -1.81123    12.03399
 unemployment_rate |  -3235.213   3282.788    -0.99   0.326    -9713.155     3242.73
 pct_nvehicle_comm |  -420.2662   113.6755    -3.70   0.000    -644.5827   -195.9497
             _cons |  -251.2848   1262.389    -0.20   0.842    -2742.364    2239.794
------------------------------------------------------------------------------

Absorbed degrees of freedom:
-----------------------------------------------------------------------
 Absorbed FE | Categories  - Redundant  = Num. Coefs |
-------------+---------------------------------------+
      nta_id |        180         180           0     *
        year |         12           1          11     |
-----------------------------------------------------------------------
* = FE nested within cluster; treated as redundant for DoF computation

55.
56. estimates store conn_count

57.
58. ** outcome 3: employees count
59. reghdfe emps_sitdownrestaurants L.connectivity_tilde L.coverage L.log_bikemiles log_
  > income log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, abso
  > rb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

HDFE Linear regression                            Number of obs   =      2,160
Absorbing 2 HDFE groups                           F(   8,    179) =       7.80
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.9906
                                                  Adj R-squared   =     0.9896
                                                  Within R-sq.    =     0.1395
Number of clusters (nta_id)  =        180        Root MSE        =   162.6011
```

(Std. err. adjusted for **180** clusters in **nta_id**)

emps_sitdownrest~s	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**-290.8671**	**307.7578**	**-0.95**	**0.346**	**-898.1671**	**316.433**
coverage L1.	**428.3907**	**148.2377**	**2.89**	**0.004**	**135.8725**	**720.9089**
log_bikemiles L1.	**-52.94559**	**33.29006**	**-1.59**	**0.114**	**-118.637**	**12.74587**
log_income	**2192.409**	**2311.748**	**0.95**	**0.344**	**-2369.377**	**6754.194**
log_med_rent	**-3406.162**	**5550.046**	**-0.61**	**0.540**	**-14358.1**	**7545.774**
log_pop	**74.08918**	**35.17642**	**2.11**	**0.037**	**4.675361**	**143.503**
unemployment_rate	**9430.719**	**42681.88**	**0.22**	**0.825**	**-74793.68**	**93655.11**
pct_nvehicle_comm	**-3902.035**	**1224.791**	**-3.19**	**0.002**	**-6318.922**	**-1485.149**
_cons	**3569.376**	**15222.42**	**0.23**	**0.815**	**-26469.11**	**33607.86**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
60.
61. estimates store conn_emps

62.
63. ** outcome 4: employees per establishment
64. reghdfe epe_sitdownrest L.connectivity_tilde L.coverage L.log_bikemiles log_income l
  > og_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_i
  > d year) cluster(nta_id)
  (MWFE estimator converged in 3 iterations)

HDFE Linear regression                            Number of obs   =      2,159
Absorbing 2 HDFE groups                           F(   8,    179) =       3.51
Statistics robust to heteroskedasticity           Prob > F        =     0.0008
                                                  R-squared       =     0.8716
                                                  Adj R-squared   =     0.8586
                                                  Within R-sq.    =     0.0755
Number of clusters (nta_id)  =        180         Root MSE        =     1.2608
```

(Std. err. adjusted for **180** clusters in **nta_id**)

epe_sitdownrest	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**2.037581**	**1.642066**	**1.24**	**0.216**	**-1.202717**	**5.277879**
coverage L1.	**-.1769342**	**.8005048**	**-0.22**	**0.825**	**-1.756575**	**1.402706**
log_bikemiles L1.	**.192153**	**.244443**	**0.79**	**0.433**	**-.2902078**	**.6745138**
log_income	**15.52929**	**17.3168**	**0.90**	**0.371**	**-18.64205**	**49.70063**
log_med_rent	**-4.51702**	**49.07911**	**-0.09**	**0.927**	**-101.3651**	**92.33106**
log_pop	**-.3599584**	**.2654271**	**-1.36**	**0.177**	**-.883727**	**.1638103**
unemployment_rate	**32.61994**	**426.4136**	**0.08**	**0.939**	**-808.8242**	**874.0641**
pct_nvehicle_comm	**29.82541**	**15.61052**	**1.91**	**0.058**	**-.97891**	**60.62974**
_cons	**-137.7558**	**167.5574**	**-0.82**	**0.412**	**-468.3977**	**192.8861**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
65.
66. estimates store conn_epe

67.
68. *7. Outcome Regressions: Betweenness
69. ** outcome 5: log-ratio
70. reghdfe log_sitdownrest L.betweenness_tilde L.coverage L.log_bikemiles log_income lo
  > g_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_id
  >  year) cluster(nta_id)
  (MWFE estimator converged in 3 iterations)

HDFE Linear regression                            Number of obs   =      2,159
Absorbing 2 HDFE groups                           F(   8,    179) =       8.59
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.9328
                                                  Adj R-squared   =     0.9260
                                                  Within R-sq.    =     0.0366
Number of clusters (nta_id)  =        180         Root MSE        =     0.0952

                                  (Std. err. adjusted for 180 clusters in nta_id)
------------------------------------------------------------------------------
             |               Robust
log_sitdownrest |Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
betweenness_tilde |
         L1. |   7.08e-06   .0000123     0.58   0.566    -.0000172    .0000313
             |
    coverage |
         L1. |  -.0224278   .0439765    -0.51   0.611    -.1092068    .0643513
             |
log_bikemiles |
         L1. |   .0120243   .0117806     1.02   0.309    -.0112223    .0352709
             |
  log_income |  -.051616    1.162335    -0.04   0.965    -2.345258    2.242026
log_med_rent |   1.671492   3.315687     0.50   0.615    -4.871372    8.214356
     log_pop |  -.1243513   .0170389    -7.30   0.000    -.1579744   -.0907283
unemployment_rate |  -20.82496   28.54077    -0.73   0.467    -77.14462    35.49471
pct_nvehicle_comm |   1.114156   1.202723     0.93   0.356    -1.259184    3.487495
       _cons |  -12.57578   11.53043    -1.09   0.277    -35.32884    10.17727
------------------------------------------------------------------------------
```

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
71.
```

```
72. estimates store bet_ratio

73.
74. ** outcome 6: raw establishment count
75. reghdfe count_sitdownrestaurants L.betweenness_tilde L.coverage L.log_bikemiles log_
  > income log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, abso
  > rb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

HDFE Linear regression                            Number of obs   =      2,160
Absorbing 2 HDFE groups                           F(   8,    179) =      11.64
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.9822
                                                  Adj R-squared   =     0.9804
                                                  Within R-sq.    =     0.2580
Number of clusters (nta_id)  =        180        Root MSE        =    14.6465

                                  (Std. err. adjusted for 180 clusters in nta_id)
------------------------------------------------------------------------------
             |               Robust
count_sitdo~s|      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
  betweenness_tilde |
         L1. |   .0063628   .0023419     2.72   0.007     .0017416     .010984
             |
    coverage |
         L1. |   46.06099   13.03875     3.53   0.001     20.33155    71.79043
             |
log_bikemiles |
         L1. |  -5.401181   2.452061    -2.20   0.029    -10.23985   -.5625157
             |
  log_income |   1.939916   174.5889     0.01   0.991    -342.5774    346.4572
log_med_rent |   54.61791   417.6257     0.13   0.896    -769.4851    878.7209
     log_pop |   4.711208   3.669169     1.28   0.201    -2.529184     11.9516
unemployment_rate |  -2300.533    3099.68    -0.74   0.459    -8417.148    3816.082
pct_nvehicle_comm |  -445.7632   110.6474    -4.03   0.000    -664.1044   -227.422
           _cons |   7.101242   1199.662     0.01   0.995    -2360.198     2374.4
------------------------------------------------------------------------------

Absorbed degrees of freedom:
-----------------------------------------------------------------------------
  Absorbed FE | Categories  - Redundant  = Num. Coefs |
--------------+--------------------------------------|
      nta_id  |        180         180           0    *|
        year  |         12           1          11     |
-----------------------------------------------------------------------------
* = FE nested within cluster; treated as redundant for DoF computation

76.
77. estimates store bet_count

78.
79. ** outcome 7: employees count
80. reghdfe emps_sitdownrestaurants L.betweenness_tilde L.coverage L.log_bikemiles log_i
  > ncome log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, absor
  > b(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

HDFE Linear regression                            Number of obs   =      2,160
Absorbing 2 HDFE groups                           F(   8,    179) =      10.17
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.9908
                                                  Adj R-squared   =     0.9899
                                                  Within R-sq.    =     0.1629
Number of clusters (nta_id)  =        180        Root MSE        =   160.3701
```

(Std. err. adjusted for **180** clusters in **nta_id**)

emps_sitdownres~s	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
betweenness_tilde L1.	**.0873857**	**.0328679**	**2.66**	**0.009**	**.0225273**	**.1522441**
coverage L1.	**304.3049**	**142.8479**	**2.13**	**0.035**	**22.42245**	**586.1873**
log_bikemiles L1.	**-34.73541**	**26.43047**	**-1.31**	**0.190**	**-86.89079**	**17.41997**
log_income	**2547.33**	**2212.348**	**1.15**	**0.251**	**-1818.307**	**6912.968**
log_med_rent	**-4372.231**	**5276.302**	**-0.83**	**0.408**	**-14783.99**	**6039.525**
log_pop	**67.69177**	**35.46002**	**1.91**	**0.058**	**-2.281679**	**137.6652**
unemployment_rate	**20399.19**	**40426.88**	**0.50**	**0.614**	**-59375.4**	**100173.8**
pct_nvehicle_comm	**-4130.494**	**1176.812**	**-3.51**	**0.001**	**-6452.703**	**-1808.284**
_cons	**6459.272**	**14388.7**	**0.45**	**0.654**	**-21934.03**	**34852.58**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
81.
82. estimates store bet_emps

83.
84. ** outcome 8: employees per establishment
85. reghdfe epe_sitdownrest L.connectivity_tilde L.betweenness_tilde L.coverage L.log_bi
  > kemiles log_income log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year
  > > 2007, absorb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 3 iterations)

HDFE Linear regression                            Number of obs   =      2,159
Absorbing 2 HDFE groups                           F(   9,    179) =       3.28
Statistics robust to heteroskedasticity           Prob > F        =     0.0010
                                                  R-squared       =     0.8716
                                                  Adj R-squared   =     0.8585
                                                  Within R-sq.    =     0.0755
Number of clusters (nta_id)  =        180         Root MSE        =     1.2611
```

(Std. err. adjusted for **180** clusters in **nta_id**)

epe_sitdownrest	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**2.051188**	**1.64971**	**1.24**	**0.215**	**-1.204194**	**5.30657**
betweenness_tilde L1.	**-9.25e-06**	**.0001158**	**-0.08**	**0.936**	**-.0002378**	**.0002193**
coverage L1.	**-.1687079**	**.8162241**	**-0.21**	**0.836**	**-1.779367**	**1.441952**
log_bikemiles L1.	**.193589**	**.2452928**	**0.79**	**0.431**	**-.2904487**	**.6776266**
log_income	**15.49985**	**17.36729**	**0.89**	**0.373**	**-18.77111**	**49.77081**
log_med_rent	**-4.441535**	**49.19016**	**-0.09**	**0.928**	**-101.5087**	**92.62567**
log_pop	**-.3591405**	**.2670617**	**-1.34**	**0.180**	**-.8861349**	**.1678538**
unemployment_rate	**31.73666**	**427.8316**	**0.07**	**0.941**	**-812.5058**	**875.9792**
pct_nvehicle_comm	**29.8315**	**15.61445**	**1.91**	**0.058**	**-.9805703**	**60.64358**
_cons	**-137.9639**	**167.7874**	**-0.82**	**0.412**	**-469.0598**	**193.132**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
86.
87. estimates store bet_epe

88.
89. *8. Outcome Regressions: Joint Model
90. ** outcome 9: log-ratio
91. reghdfe log_sitdownrest L.connectivity_tilde L.betweenness_tilde L.coverage L.log_bi
  > kemiles log_income log_med_rent log_pop unemployment_rate pct_nvehicle_comm, absorb(
  > nta_id year) cluster(nta_id)
  (MWFE estimator converged in 3 iterations)

HDFE Linear regression                            Number of obs   =      2,159
Absorbing 2 HDFE groups                           F(  9,    179) =       7.72
Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                  R-squared       =     0.9328
                                                  Adj R-squared   =     0.9260
                                                  Within R-sq.    =     0.0373
Number of clusters (nta_id)  =        180         Root MSE        =     0.0952

                                  (Std. err. adjusted for 180 clusters in nta_id)
```

log_sitdownrest	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**-.1334378**	**.1685895**	**-0.79**	**0.430**	**-.4661164**	**.1992407**
betweenness_tilde L1.	**7.90e-06**	**.0000124**	**0.64**	**0.524**	**-.0000165**	**.0000323**
coverage L1.	**-.0085316**	**.0455852**	**-0.19**	**0.852**	**-.098485**	**.0814219**
log_bikemiles L1.	**.001879**	**.0151614**	**0.12**	**0.902**	**-.028039**	**.0317971**
log_income	**-.0732921**	**1.160203**	**-0.06**	**0.950**	**-2.362728**	**2.216144**
log_med_rent	**1.744689**	**3.304311**	**0.53**	**0.598**	**-4.775725**	**8.265103**
log_pop	**-.1248203**	**.0170485**	**-7.32**	**0.000**	**-.1584622**	**-.0911783**
unemployment_rate	**-21.57448**	**28.39202**	**-0.76**	**0.448**	**-77.6006**	**34.45165**
pct_nvehicle_comm	**1.167536**	**1.195365**	**0.98**	**0.330**	**-1.191284**	**3.526355**
_cons	**-12.84927**	**11.47612**	**-1.12**	**0.264**	**-35.49517**	**9.796632**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
92.
93. estimates store joint_ratio

94.
95. ** outcome 10: raw establishment count
96. reghdfe count_sitdownrestaurants L.connectivity_tilde L.betweenness_tilde L.coverage
  >  L.log_bikemiles log_income log_med_rent log_pop unemployment_rate pct_nvehicle_comm
  >  if year > 2007, absorb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

  HDFE Linear regression                            Number of obs   =      2,160
  Absorbing 2 HDFE groups                           F(   9,    179) =      10.39
  Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                    R-squared       =     0.9823
                                                    Adj R-squared   =     0.9805
                                                    Within R-sq.    =     0.2619
  Number of clusters (nta_id)  =        180        Root MSE        =    14.6113

                                    (Std. err. adjusted for 180 clusters in nta_id)
------------------------------------------------------------------------------
             |               Robust
count_sitdo~s|  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
connectivity_|
        L1.  |  -52.74946   27.17631    -1.94   0.054    -106.3766    .8777001
             |
betweenness_|
        L1.  |   .0066861   .0024172     2.77   0.006     .0019163    .0114559
             |
    coverage|
        L1.  |   51.55427   13.62572     3.78   0.000     24.66657    78.44197
             |
log_bikemiles|
        L1.  |  -9.411738   3.001356    -3.14   0.002    -15.33433   -3.489147
             |
  log_income |  -6.627481   174.7063    -0.04   0.970    -351.3763    338.1214
log_med_rent |   83.55002   418.1373     0.20   0.842    -741.5626    908.6626
     log_pop |      4.525   3.708607     1.22   0.224    -2.793214    11.84321
unemployment~e|  -2596.823    3109.03    -0.84   0.405    -8731.889    3538.244
pct_nvehicle~m|  -424.6625   109.5307    -3.88   0.000    -640.8001   -208.5249
       _cons |  -100.9839   1199.601    -0.08   0.933    -2468.163    2266.195
------------------------------------------------------------------------------

  Absorbed degrees of freedom:

+-----------------+---------------------------------------------+
| Absorbed FE     | Categories  - Redundant  = Num. Coefs       |
|-----------------+---------------------------------------------|
|      nta_id     |        180         180           0     *    |
|        year     |         12           1          11          |
+-----------------+---------------------------------------------+
  * = FE nested within cluster; treated as redundant for DoF computation

97.
98. estimates store joint_count

99.
100 ** outcome 11: employees count
101 reghdfe emps_sitdownrestaurants L.connectivity_tilde L.betweenness_tilde L.coverage
  > L.log_bikemiles log_income log_med_rent log_pop unemployment_rate pct_nvehicle_comm
  > if year > 2007, absorb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

  HDFE Linear regression                            Number of obs   =      2,160
  Absorbing 2 HDFE groups                           F(   9,    179) =       8.92
  Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                    R-squared       =     0.9909
                                                    Adj R-squared   =     0.9899
                                                    Within R-sq.    =     0.1653
  Number of clusters (nta_id)  =        180        Root MSE        =   160.1827
```

(Std. err. adjusted for **180** clusters in **nta_id**)

emps_sitdownrest~s	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**-423.2165**	**303.2781**	**-1.40**	**0.165**	**-1021.677**	**175.2439**
betweenness_tilde L1.	**.0899793**	**.033496**	**2.69**	**0.008**	**.0238815**	**.1560772**
coverage L1.	**348.3782**	**148.0361**	**2.35**	**0.020**	**56.25781**	**640.4987**
log_bikemiles L1.	**-66.91269**	**32.00046**	**-2.09**	**0.038**	**-130.0594**	**-3.766013**
log_income	**2478.593**	**2219.355**	**1.12**	**0.266**	**-1900.873**	**6858.059**
log_med_rent	**-4140.105**	**5304.19**	**-0.78**	**0.436**	**-14606.89**	**6326.682**
log_pop	**66.1978**	**35.5357**	**1.86**	**0.064**	**-3.924982**	**136.3206**
unemployment_rate	**18022.02**	**40802.55**	**0.44**	**0.659**	**-62493.88**	**98537.91**
pct_nvehicle_comm	**-3961.2**	**1176.756**	**-3.37**	**0.001**	**-6283.3**	**-1639.101**
_cons	**5592.089**	**14490.48**	**0.39**	**0.700**	**-23002.06**	**34186.24**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
102
103 estimates store joint_emps

104
105 ** outcome 12: employees per establishment
106 reghdfe epe_sitdownrest L.connectivity_tilde L.betweenness_tilde L.coverage L.log_bi
  > kemiles log_income log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year
  > > 2007, absorb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 3 iterations)

HDFE Linear regression                            Number of obs   =      2,159
Absorbing 2 HDFE groups                           F(   9,    179) =       3.28
Statistics robust to heteroskedasticity           Prob > F        =     0.0010
                                                  R-squared       =     0.8716
                                                  Adj R-squared   =     0.8585
                                                  Within R-sq.    =     0.0755
Number of clusters (nta_id)  =        180        Root MSE        =     1.2611
```

(Std. err. adjusted for **180** clusters in **nta_id**)

epe_sitdownrest	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**2.051188**	**1.64971**	**1.24**	**0.215**	**-1.204194**	**5.30657**
betweenness_tilde L1.	**-9.25e-06**	**.0001158**	**-0.08**	**0.936**	**-.0002378**	**.0002193**
coverage L1.	**-.1687079**	**.8162241**	**-0.21**	**0.836**	**-1.779367**	**1.441952**
log_bikemiles L1.	**.193589**	**.2452928**	**0.79**	**0.431**	**-.2904487**	**.6776266**
log_income	**15.49985**	**17.36729**	**0.89**	**0.373**	**-18.77111**	**49.77081**
log_med_rent	**-4.441535**	**49.19016**	**-0.09**	**0.928**	**-101.5087**	**92.62567**
log_pop	**-.3591405**	**.2670617**	**-1.34**	**0.180**	**-.8861349**	**.1678538**

unemployment_rate	**31.73666**	**427.8316**	**0.07**	**0.941**	**-812.5058**	**875.9792**
pct_nvehicle_comm	**29.8315**	**15.61445**	**1.91**	**0.058**	**-.9805703**	**60.64358**
_cons	**-137.9639**	**167.7874**	**-0.82**	**0.412**	**-469.0598**	**193.132**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
107
108 estimates store joint_epe

109
110 *9. Outcome Regressions: Total Establishments
111 **outcome 13: connectivity - total establishments
112 reghdfe total_est L.connectivity_tilde L.coverage L.log_bikemiles log_income log_med
  > _rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_id year
  > ) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)
```

HDFE Linear regression		Number of obs	= **2,160**
Absorbing 2 HDFE groups		F(**8,** **179**)	= **8.33**
Statistics robust to heteroskedasticity		Prob > F	= **0.0000**
		R-squared	= **0.9960**
		Adj R-squared	= **0.9956**
		Within R-sq.	= **0.0684**
Number of clusters (**nta_id**)	= **180**	Root MSE	= **85.8086**

(Std. err. adjusted for **180** clusters in **nta_id**)

total_est	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**111.7477**	**102.0122**	**1.10**	**0.275**	**-89.55343**	**313.0489**
coverage L1.	**39.96905**	**95.51529**	**0.42**	**0.676**	**-148.5118**	**228.4499**
log_bikemiles L1.	**-4.206424**	**16.00235**	**-0.26**	**0.793**	**-35.78395**	**27.3711**
log_income	**3191.52**	**921.9648**	**3.46**	**0.001**	**1372.202**	**5010.838**
log_med_rent	**-7386.099**	**2205.218**	**-3.35**	**0.001**	**-11737.67**	**-3034.531**
log_pop	**48.60181**	**23.99349**	**2.03**	**0.044**	**1.255335**	**95.94829**
unemployment_rate	**60584.79**	**17962.4**	**3.37**	**0.001**	**25139.48**	**96030.09**
pct_nvehicle_comm	**-3216.242**	**472.8602**	**-6.80**	**0.000**	**-4149.34**	**-2283.145**
_cons	**19384.78**	**5970.871**	**3.25**	**0.001**	**7602.425**	**31167.13**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
113
114 estimates store conn_total

115
116 **outcome 14: betweenness - total establishments
117 reghdfe total_est L.betweenness_tilde L.coverage L.log_bikemiles log_income log_med_
  > rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007, absorb(nta_id year)
  >  cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

  HDFE Linear regression                            Number of obs   =      2,160
  Absorbing 2 HDFE groups                           F(   8,    179) =       8.40
  Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                    R-squared       =     0.9960
                                                    Adj R-squared   =     0.9956
                                                    Within R-sq.    =     0.0801
  Number of clusters (nta_id)  =        180        Root MSE        =    85.2697

                                    (Std. err. adjusted for 180 clusters in nta_id)
------------------------------------------------------------------------------
             |               Robust
   total_est |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
  betweenness_tilde |
         L1. |   .0313695   .0163449     1.92   0.057    -.0008839     .063623
             |
    coverage |
         L1. |    19.3294   95.04597     0.20   0.839    -168.2253    206.8841
             |
log_bikemiles |
         L1. |  -14.04627   10.31029    -1.36   0.175    -34.39162     6.29907
             |
  log_income |    3279.25   909.4385     3.61   0.000     1484.65     5073.85
log_med_rent |  -7602.353   2169.415    -3.50   0.001    -11883.27   -3321.435
     log_pop |   45.65252   22.01137     2.07   0.040     2.217357    89.08768
unemployment_rate |   63169.38   17845.46     3.54   0.001     27954.82    98383.93
pct_nvehicle_comm |  -3210.12   479.4348    -6.70   0.000    -4156.191   -2264.049
           _cons |   19945.18    5861.62     3.40   0.001     8378.419    31511.95
------------------------------------------------------------------------------

  Absorbed degrees of freedom:
-----------------------------------------------------------------------------
  Absorbed FE | Categories  - Redundant  = Num. Coefs |
--------------+--------------------------------------|
      nta_id  |        180          180           0     *
        year  |         12            1          11     |
-----------------------------------------------------------------------------
  * = FE nested within cluster; treated as redundant for DoF computation

118
119 estimates store bet_total

120
121 **outcome 15: joint - total establishments
122 reghdfe total_est L.connectivity_tilde L.betweenness_tilde L.coverage L.log_bikemile
  > s log_income log_med_rent log_pop unemployment_rate pct_nvehicle_comm if year > 2007
  > , absorb(nta_id year) cluster(nta_id)
  (MWFE estimator converged in 2 iterations)

  HDFE Linear regression                            Number of obs   =      2,160
  Absorbing 2 HDFE groups                           F(   9,    179) =       7.58
  Statistics robust to heteroskedasticity           Prob > F        =     0.0000
                                                    R-squared       =     0.9960
                                                    Adj R-squared   =     0.9956
                                                    Within R-sq.    =     0.0803
  Number of clusters (nta_id)  =        180        Root MSE        =    85.2809
```

(Std. err. adjusted for **180** clusters in **nta_id**)

total_est	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
connectivity_tilde L1.	**66.20348**	**88.60302**	**0.75**	**0.456**	**-108.6373**	**241.0443**
betweenness_tilde L1.	**.0309638**	**.0162036**	**1.91**	**0.058**	**-.0010109**	**.0629385**
coverage L1.	**12.43503**	**99.66788**	**0.12**	**0.901**	**-184.2401**	**209.1102**
log_bikemiles L1.	**-9.012804**	**14.4879**	**-0.62**	**0.535**	**-37.60185**	**19.57624**
log_income	**3290.002**	**908.8503**	**3.62**	**0.000**	**1496.563**	**5083.442**
log_med_rent	**-7638.665**	**2165.369**	**-3.53**	**0.001**	**-11911.6**	**-3365.731**
log_pop	**45.88622**	**22.06854**	**2.08**	**0.039**	**2.338241**	**89.4342**
unemployment_rate	**63541.24**	**17834.22**	**3.56**	**0.000**	**28348.86**	**98733.61**
pct_nvehicle_comm	**-3236.602**	**477.6045**	**-6.78**	**0.000**	**-4179.062**	**-2294.143**
_cons	**20080.84**	**5834.352**	**3.44**	**0.001**	**8567.879**	**31593.8**

Absorbed degrees of freedom:

Absorbed FE	Categories	- Redundant	= Num. Coefs	
nta_id	180	180	**0**	*
year	12	1	**11**	

* = FE nested within cluster; treated as redundant for DoF computation

```
123
124 estimates store joint_total

125
126
127 *10. Create Output Tables with Readable Variable Names
128 **define labels for mapping covariates
129 local recenter_labels ///
  >     street_width "2007 Street Width (ft)" ///
  >     coverage_2007 "2007 Coverage" ///
  >     log_bike_miles_2007 "2007 Log Bike Lane Miles"

130
131 local labels ///
  >         L.connectivity_tilde "Lagged Connectivity" ///
  >         L.betweenness_tilde "Lagged Betweenness" ///
  >         L.coverage "Lagged Coverage" ///
  >         L.log_bikemiles "Lagged Log Bike Lane Miles" ///
  >         log_income "Log Income Per Capita" ///
  >         log_med_rent "Log Median Rent" ///
  >         log_pop "Log Population" ///
  >         unemployment_rate "Unemployment Rate" ///
  >         pct_nvehicle_comm "Non-Vehicle Commuter Share"

132
133 local balance_labels ///
  >         street_width "2007 Street Width (ft)" ///
  >     coverage_2007 "2007 Coverage" ///
  >     log_bike_miles_2007 "2007 Log Bike Lane Miles" ///
  >     L.connectivity_tilde "Lagged Connectivity" ///
  >     L.betweenness_tilde "Lagged Betweenness" ///
  >     L.coverage "Lagged Coverage" ///
  >     L.log_bikemiles "Lagged Log Bike Lane Miles" ///
  >     log_income "Log Income Per Capita" ///
  >     log_med_rent "Log Median Rent" ///
  >     log_pop "Log Population" ///
  >     unemployment_rate "Unemployment Rate" ///
  >     pct_nvehicle_comm "Non-Vehicle Commuter Share"
```

```
134
135 **10a. Recentering Regressions
136 esttab connectivity_model betweenness_model using "D:\Thesis\Processed Data\Output T
  > ables\Recentering_Connectivity_Betweenness.csv", replace b(%9.3f) se(%9.3f) label ti
  > tle("Recentering for Network Metrics") varlabels(`recenter_labels') se star(* 0.1 **
  >  0.05 *** 0.01) mtitles("Connectivity" "Betweenness") nocons stats(r2 N, fmt(3 0) la
  > bels("R-squared" "Observations"))
  (output written to D:\Thesis\Processed Data\Output Tables\Recentering_Connectivity_Bet
  > weenness.csv)

137
138 **10b. Balance Tests
139 esttab balance_connectivity balance_betweenness using "D:\Thesis\Processed Data\Outp
  > ut Tables\BalanceTests_Connectivity_Betweenness.csv", replace b(%9.3f) se(%9.3f) lab
  > el title("Balance Tests for Network Metrics") varlabels(`balance_labels') se star(*
  > 0.1 ** 0.05 *** 0.01) mtitles("Connectivity" "Betweenness") nocons stats(r2 N, fmt(3
  >  0) labels("R-squared" "Observations"))
  (output written to D:\Thesis\Processed Data\Output Tables\BalanceTests_Connectivity_Be
  > tweenness.csv)

140
141
142 **10c. Connectivity and Sector Characteristics
143 esttab conn_ratio conn_count conn_emps conn_epe using "D:\Thesis\Processed Data\Outp
  > ut Tables\Connectivity_Sector_Output.csv", replace b(%9.4f) se(%9.4f) label title("C
  > onnectivity & Sector Characteristics") mtitles("Log (Restaurant Share)" "Restaurant
  > Count" "Total Employment" "Employees per Establishment") varlabels(`labels') se star
  > (* 0.1 ** 0.05 *** 0.01) nocons stats(r2 N, fmt(3 0) labels("R-squared" "Observation
  > s"))
  (output written to D:\Thesis\Processed Data\Output Tables\Connectivity_Sector_Output.c
  > sv)

144
145 **10d. Betweenness and Sector Characterisitcs
146 esttab bet_ratio bet_count bet_emps bet_epe using "D:\Thesis\Processed Data\Output T
  > ables\Betweenness_Sector_Output.csv", replace b(%9.3f) se(%9.3f)label title("Between
  > ness & Sector Characteristics") mtitles("Log (Restaurant Share)" "Restaurant Count"
  > "Total Employment" "Employees per Establishment")varlabels(`labels') se star(* 0.1 *
  > * 0.05 *** 0.01) nocons stats(r2 N, fmt(3 0) labels("R-squared" "Observations"))
  (output written to D:\Thesis\Processed Data\Output Tables\Betweenness_Sector_Output.cs
  > v)

147
148 **10e. Joint Model and Sector Characteristics
149 esttab joint_ratio joint_count joint_emps joint_epe using "D:\Thesis\Processed Data\
  > Output Tables\Joint_Sector_Output.csv", replace b(%9.4f) se(%9.4f) label title("Join
  > t Connectivity & Betweenness & Sector Characteristics") mtitles("Log (Restaurant Sha
  > re)" "Restaurant Count" "Total Employment" "Employees per Establishment") varlabels(
  > `labels') se star(* 0.1 ** 0.05 *** 0.01) nocons stats(r2 N, fmt(3 0) labels("R-squa
  > red" "Observations"))
  (output written to D:\Thesis\Processed Data\Output Tables\Joint_Sector_Output.csv)

150
151 **10f. Total Establishment Regressions (Connectivity, Betweenness, Joint)
152 esttab conn_total bet_total joint_total using "D:\Thesis\Processed Data\Output Table
  > s\Total_Establishments_Output.csv", replace b(%9.4f) se(%9.4f) label title("Total Es
  > tablishments Regressions") mtitles("Connectivity" "Betweenness" "Joint") varlabels(`
  > labels') order(L.connectivity_tilde L.betweenness_tilde) se star(* 0.1 ** 0.05 *** 0
  > .01) nocons stats(r2 N, fmt(3 0) labels("R-squared" "Observations"))
  (output written to D:\Thesis\Processed Data\Output Tables\Total_Establishments_Output.
  > csv)

153
154 log close
      name:  <unnamed>
       log:  D:\Thesis\Code\Spells_Nia_2026_CODE.smcl
  log type:  smcl
 closed on:   9 Apr 2026, 10:07:09
```