**Table S1. Frequencies of census tracts and summaries of census tract characteristics by community type classification and classification method**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification method** | **Weeks et al.** | | | | |
| **Classification** | **Urban n = 51,630** | | **Suburban n = 13,973** | **Rural n = 6,677** | **Undesignated n = 259** |
| **Average block size, km2  Mean (SD)  Median** | n = 51,617 0.09 (0.15) 0.04 | | n = 13,952 0.63 (0.72) 0.50 | n = 6,539 1.12 (2.03) 0.77 | n = 83 0.26 (0.52) 0.14 |
| **Average block length, miles/intersection  Mean (SD)  Median** | n = 51,617 0.18 (0.08) 0.16 | | n = 13,952 0.46 (0.28) 0.42 | n = 6,539 0.62 (0.40) 0.58 | n = 83 0.26 (0.22) 0.20 |
| **Intersection density per mi2  Mean (SD)  Median** | n = 51,617 125.0 (92.0) 110.3 | | n = 13,952 27.1 (47.5) 7.46 | n = 6,539 12.5 (25.7) 4.00 | n = 83 78.0 (93.2) 43.9 |
| **Street connectivity\*  Mean (SD)  Median** | n = 51,617 0.82 (0.11) 0.73 | | n = 13,952 0.73 (0.01) 0.73 | n = 6,539 0.74 (0.09) 0.74 | n = 83 0.84 (0.14) 0.87 |
| **Household density per mi2  Mean (SD)  Median** | n = 51,617 2699 (5411) 1365 | | n = 13,952 225.9 (459.9) 43.4 | n = 6,539 64.7 (149.1) 14.5 | n = 83 46.6 (3.85) 0 |
| **Percent developed land   Mean (SD)  Median** | n = 51,617 0.61 (0.31) 0.68 | | n = 13,952 0.13 (0.21) 0.03 | n = 6,539 0.05 (0.11) 0.01 | n = 83 0.65 (0.28) 0.68 |
| **Estimated walkable miles  Mean (SD)  Median** | n = 51,617 99.1 (279.3) 42.7 | | n = 13,952 10.3 (28.5) 1.10 | n = 6,539 3.63 (10.4) 42.7 | n = 83 16.0 (25.2) 6.08 |
| **Percent poverty  Mean (SD)  Median** | n = 51,432 14.8 (13.2) 10.6 | | n = 13,931 14.2 (9.9) 12.1 | n = 6,381 16.4 (9.1) 14.6 | n = 6 42.9 (44.2) 40.7 |
| **Percent household income less than $30,000/year  Mean (SD)  Median** | n = 51,413  28.8 (17.3) 25.5 | | n = 13,928 31.5 (13.8) 30.4 | n = 6,377 37.7 (11.4) 36.9 | n = 5 25.9 (42.6) 0 |
| **Percent of households receiving public assistance  Mean (SD)  Median** | n = 51,413 2.81 (3.65) 1.62 | | n = 13,928  2.22 (2.37) 1.64 | n = 6,377 2.55 (2.83) 1.92 | n = 5 1.16 (2.59) 0 |
| **Percent unemployment  Mean (SD)  Median** | n = 51,457 8.65 (5.94) 7.3 | | n = 13,933 7.99 (4.53) 7.2 | n = 6,381 7.90 (5.08) 7 | n = 6 8.02 (15.4) 0 |
| **Percent of households without a car  Mean (SD)  Median** | n = 51,413  10.9 (14.2) 5.79 | | n = 13,928 5.51 (5.42) 3.97 | n = 6,377 6.39 (5.53) 5.10 | n = 5 18.7 (41.9) 0 |
| **Percent without a high school degree  Mean (SD)  Median** | n = 51,505 15.3 (12.9) 11.5 | | n = 13,951 16.4 (9.85) 14.5 | n = 6,396 17.7 (9.56) 15.8 | n = 7 30.4 (29.8) 37.8 |
| **Classification method** | **Euler et al.** | | | | |
| **Classification** | **Metropolitan n = 59,065** | **Micropolitan n = 6,538** | **Small town n = 3,303** | **Rural n = 3,374** | **Undesignated n = 259** |
| **Average block size, km2  Mean (SD)  Median** | n = 59,048 0.17 (0.37) 0.05 | n = 6,521 0.50 (0.69) 0.26 | n = 3,299 0.73 (0.95) 0.50 | n = 3,240 1.53 (2.66) 0.99 | n = 83 0.26 (0.51) 0.14 |
| **Average block length, miles/intersection  Mean (SD)  Median** | n = 59,048 0.22 (0.17) 0.17 | n = 6,521 0.40 (0.29) 0.29 | n = 3,299 0.48 (0.31) 0.42 | n = 3,240 0.77 (0.43) 0.72 | n = 83 0.26 (0.22) 0.20 |
| **Intersection density per mi2  Mean (SD)  Median** | n = 59,048 111.1 (94.0) 96.7 | n = 6,521 41.4 (59.9) 14.8 | n = 3,299 19.4 (33.2) 6.67 | n = 3,240 5.46 (10.6) 2.88 | n = 83 78.0 (93.2) 43.9 |
| **Street connectivity\*  Mean (SD)  Median** | n = 59,048 0.80 (0.11) 0.80 | n = 6,521 0.76 (0.10) 0.76 | n = 3,299 0.75 (0.09) 0.76 | n = 3,240 0.72 (0.09) 0.72 | n = 83 0.83 (0.14) 0.87 |
| **Household density per mi2  Mean (SD)  Median** | n = 59,048 2375 (5132) 1141 | n = 6,521 341 (546) 95.4 | n = 3,299 111 (196) 31.3 | n = 3,240 17.1 (35.2) 7.58 | n = 83 0.47 (3.85) 0 |
| **Percent developed land   Mean (SD)  Median** | n = 59,048 0.54 (0.34) 0.58 | n = 6,521 0.19 (0.25) 0.07 | n = 3,299 0.09 (0.13) 0.03 | n = 3,240 0.02 (0.06) 0.009 | n = 83 0.65 (0.28) 0.68 |
| **Estimated walkable miles  Mean (SD)  Median** | n = 59,048 87.2 (263) 34.9 | n = 6,521  17.3 (27.6) 2.91 | n = 3,299 6.30 (13.8) 1.18 | n = 3,240 0.92 (2.95) 0.27 | n = 83 16.0 (25.2) 6.08 |
| **Percent poverty  Mean (SD)  Median** | n = 58,858 14.4 (12.7) 10.5 | n = 6,505 17.2 (10.9) 14.8 | n = 3,293 17.3 (9.21) 15.8 | n = 3,088 15.5 (8.98) 13.6 | n = 6 42.9 (44.2) 40.7 |
| **Percent household income less than $30,000/year  Mean (SD)  Median** | n = 58,837 28.6 (16.8) 25.6 | n = 6,504 36.8 (13.4) 35.6 | n = 3,293 38.8 (11.5) 38.0 | n = 3,084 36.6 (11.2) 35.8 | n = 5 25.9 (42.6) 0 |
| **Percent of households receiving public assistance  Mean (SD)  Median** | n = 58,837 2.69 (3.50) 1.58 | n = 6,504 2.63 (2.67) 1.97 | n = 3,293 2.74 (3.07) 2.09 | n = 3,084 2.35 (2.52) 1.75 | n = 5 1.16 (2.59) 0 |
| **Percent unemployment  Mean (SD)  Median** | n = 58,883 8.50 (5.76) 7.2 | n = 6,507 8.52 (4.90) 7.6 | n = 3,295 8.30 (4.78) 7.6 | n = 3,086 7.36 (5.32) 6.4 | n = 6 8.02 (15.4) 0 |
| **Percent of households without a car  Mean (SD)  Median** | n = 58,837 10.1 (13.5) 5.22 | n = 6,504 7.11 (6.34) 5.35 | n = 3,293 7.14 (5.22) 6.03 | n = 3,084 5.58 (5.73) 4.31 | n = 5 18.7 (41.9) 0 |
| **Percent without a high school degree  Mean (SD)  Median** | n = 58,936 15.3 (12.5) 11.8 | n = 6,520 17.6 (10.1) 15.7 | n = 3,298 18.5 (9.38) 17.0 | n = 3,298  18.5 (9.38) 17.0 | n = 7 30.4 (29.8) 37.8 |
| **Classification method** | **Yaghjyan et al.** | | | | |
| **Classification** | **Urban n = 59,682** | **Large rural town n = 6,201** | **Small rural town n = 3,128** | **Isolated rural n = 3,269** | **Undesignated n = 259** |
| **Average block size, km2  Mean (SD)  Median** | n = 59,664 0.18 (0.38) 0.05 | n = 6,184 0.51 (0.70) 0.26 | n = 3,125 0.74 (0.93) 0.52 | n = 3,135 1.53 (2.69) 0.99 | n = 83 0.26 (0.52) 0.14 |
| **Average block length, miles/intersection  Mean (SD)  Median** | n = 59,664 0.22 (0.17) 0.17 | n = 6,184 0.41 (0.30) 0.29 | n = 3,125 0.49 (0.31) 0.43 | n = 3,135 0.77 (0.43) 0.72 | n = 83 0.26 (0.22) 0.20 |
| **Intersection density per mi2  Mean (SD)  Median** | n = 59,664 110 (94.0) 95.7 | n = 6,184 41.2 (60.1) 14.2 | n = 3,125 19.3 (33.1) 6.43 | n = 3,135 5.39 (10.4) 2.87 | n = 83 78.0 (93.2) 43.9 |
| **Street connectivity\*  Mean (SD)  Median** | n = 59,664 0.80 (0.11) 0.80 | n = 6,184 0.77 (0.01) 0.76 | n = 3,125 0.75 (0.09) 0.76 | n = 3,135 0.72 (0.09) 0.72 | n = 83 0.84 (0.14) 0.87 |
| **Household density per mi2  Mean (SD)  Median** | n = 59,664 2353 (5110) 1125 | n = 6,184 339 (549) 88.9 | n = 3,125 110 (194) 30.1 | n = 3,135 16.8 (34.5) 7.57 | n = 83 0.47 (3.85) 0 |
| **Percent developed land   Mean (SD)  Median** | n = 59,664 0.54 (0.34) 0.57 | n = 6,184 0.19 (0.25) 0.07 | n = 3,125 0.08 (0.13) 0.03 | n = 3,135 0.02 (0.06) 0.01 | n = 83 0.65 (0.28) 0.68 |
| **Estimated walkable miles  Mean (SD)  Median** | n = 59,664 86.4 (262) 34.4 | n = 6,184 17.4 (38.0) 2.70 | n = 3,125 6.27 (13.8) 1.12 | n = 3,135 0.91 (2.95) 0.27 | n = 83 16.0 (25.2) 6.08 |
| **Percent poverty  Mean (SD)  Median** | n = 59,741 14.4 (12.7) 10.6 | n = 6,169 17.3 (10.9) 14.9 | n = 3,120 17.4 (9.23) 15.8 | n = 2,984 15.5 (8.97) 13.6 | n = 6 42.9 (44.2) 40.7) |
| **Percent household income less than $30,000/year  Mean (SD)  Median** | n = 59,450 28.6 (16.8) 25.7 | n = 6,168 37.0 (13.4) 35.8 | n = 3,120 38.9 (11.4) 38.1 | n = 2,980 36.6 (11.2) 35.9 | n = 5 25.9 (42.6) 0 |
| **Percent of households receiving public assistance  Mean (SD)  Median** | n = 59,450 2.69 (3.51) 1.58 | n = 2,980 2.35 (2.52) 1.77 | n = 3,120 2.73 (2.57) 2.09 | n = 2,980 2.35 (2.52) 1.77 | n = 5 1.16 (2.59) 0 |
| **Percent unemployment  Mean (SD)  Median** | n = 59,497 8.50 (5.75) 7.2 | n = 6,171 8.51 (4.92) 7.6 | n = 3,121 8.42 (4.80) 7.6 | n = 2,982 7.35 (5.33) 6.4 | n = 6 8.02 (15.4) 0 |
| **Percent of households without a car  Mean (SD)  Median** | n = 59,450 10.0 (13.5) 5.23 | n = 6,168 7.11 (6.35) 5.35 | n = 3,120 7.13 (5.26) 5.94 | n = 2,980 5.56 (5.71) 4.30 | n = 5 18.7 (41.9) 0 |
| **Percent without a high school degree  Mean (SD)  Median** | n = 59,551 15.3 (12.5) 11.8 | n = 6,183 17.6 (10.0) 15.7 | n = 3,125 18.5 (9.42) 16.9 | n = 2,993 16.9 (9.70) 14.6 | n = 7 30.4 (29.8) 37.8 |
| **Classification method** | **LEAD Classification** | | | | |
| **Classification** | **Higher density urban n = 17,143** | **Lower density urban n = 25,715** | **Suburban/small town n = 11,783** | **Rural n = 17,723** | **Undesignated n = 175** |
| **Average block size, km2  Mean (SD)  Median** | n = 17,135 0.03 (0.03) 0.02 | n = 25,713 0.07 (0.07) 0.05 | n = 11,768 0.22 (0.27) 0.15 | n = 17,575 0.91 (1.38) 0.67 | n = 0 |
| **Average block length, miles/intersection  Mean (SD)  Median** | n = 17,135 0.14 (0.06) 0.13 | n = 25,713 0.17 (0.04) 0.16 | n = 11,768 0.25 (0.12) 0.23 | n = 17,575 0.57 (0.32) 0.53 | n = 0 |
| **Intersection density per mi2  Mean (SD)  Median** | n = 17,135 205 (98.4) 185 | n = 25,713 105 (50.1) 98.3 | n = 11,678  45.3 (48.8) 30.1 | n = 17,575 9.45 (12.1) 4.91 | n = 0 |
| **Street connectivity\*  Mean (SD)  Median** | n = 17,135 0.89 (0.09) 0.91 | n = 25,713 0.80 (0.09) 0.81 | n = 11,678 0.75 (0.09) 0.75 | n = 17,575 0.72 (0.09) 0.72 | n = 0 |
| **Household density per mi2  Mean (SD)  Median** | n = 17,135 6141 (8330) 3343 | n = 25,713 1247 (684) 1141 | n = 11,678 394 (445) 257 | n = 17,575 54.0 (80.2) 24.4 | n = 0 |
| **Percent developed land   Mean (SD)  Median** | n = 17,135 0.88 (0.16) 0.95 | n = 25,713 0.60 (0.22) 0.60 | n = 11,768 0.24 (0.20) 0.18 | n = 17,575 0.04 (0.06) 0.02 | n = 0 |
| **Estimated walkable miles  Mean (SD)  Median** | n = 17,135 223 (457) 108 | n = 25,713 48.1 (44.0) 36.8 | n = 11,768 16.4 (30.0) 7.14 | n = 17,575 2.12 (4.30) 0.64 | n = 0 |
| **Percent poverty  Mean (SD)  Median** | n = 17,030 20.4 (15.1) 16.9 | n = 25,566 12.8 (11.8) 8.95 | n = 11,725 12.2 (11.1) 8.78 | n = 17,429 14.1 (8.81) 12.5 | n = 0 |
| **Percent household income less than $30,000/year  Mean (SD)  Median** | n = 17,017 35.8 (18.4) 33.5 | n = 25,561 26.4 (16.3) 23.2 | n = 11,722 26.3 (15.8) 23.5 | n = 17,423 32.6 (12.6) 32.1 | n = 0 |
| **Percent of households receiving public assistance  Mean (SD)  Median** | n = 17,017 4.21 (4.71) 2.68 | n = 25,561 2.28 (2.93) 1.40 | n = 11,722 2.03 (2.45) 1.33 | n = 17,423 2.18 (2.35) 1.64 | n = 0 |
| **Percent unemployment  Mean (SD)  Median** | n = 17,051 10.4 (7.18) 8.8 | n = 25,573 8.04 (5.23) 6.9 | n = 11,727 7.51 (4.66) 6.5 | n = 17,426 7.73 (4.49) 7 | n = 0 |
| **Percent of households without a car  Mean (SD)  Median** | n = 17,017 20.6 (19.3) 14.1 | n = 25,561 6.87 (7.35) 4.67 | n = 11,722 5.31 (5.86) 3.46 | n = 17,423 5.15 (4.64) 3.98 | n = 0 |
| **Percent without a high school degree  Mean (SD)  Median** | n = 17,071 20.7 (14.9) 17.7 | n = 25,595 13.0 (11.2) 9.71 | n = 11,751 12.9 (10.3) 10.2 | n = 17,442 16.7 (9.42) 14.9 | n = 0 |

\*Street connectivity is a unitless measure of the total number of intersections within a census tract divided by the sum of intersection counts and counts of dead-ends

**Figure S1. National map of Euler classifications**

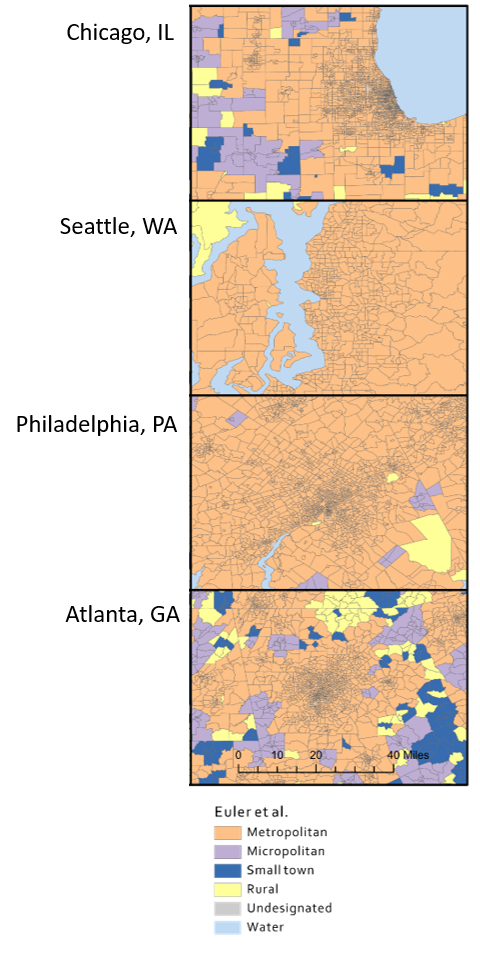
**Figure S2. Map of Euler classifications in selected cities**

**Figure S3. Histograms of distributions of select community variables, stratified by Euler classifications**

**Figure S1. A picture containing shirt

Description automatically generated**

**Figure S2.**

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**Figure S3.  
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