



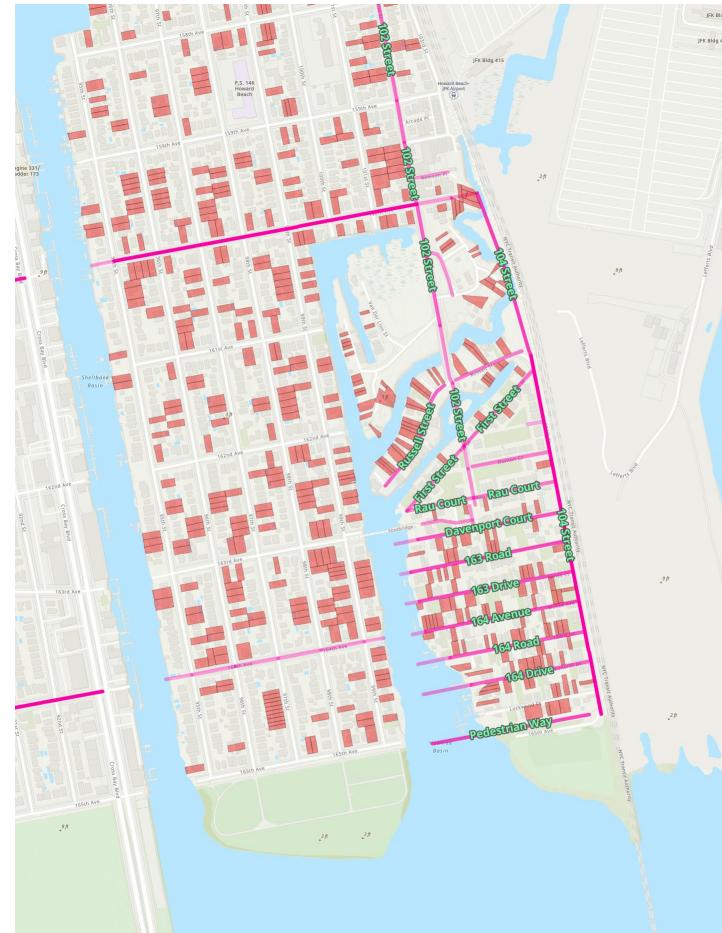
CLIMA

Ayush Sarkar

New York University: UGSRP

Center for Urban Science + Progress (CUSP)

Locations:

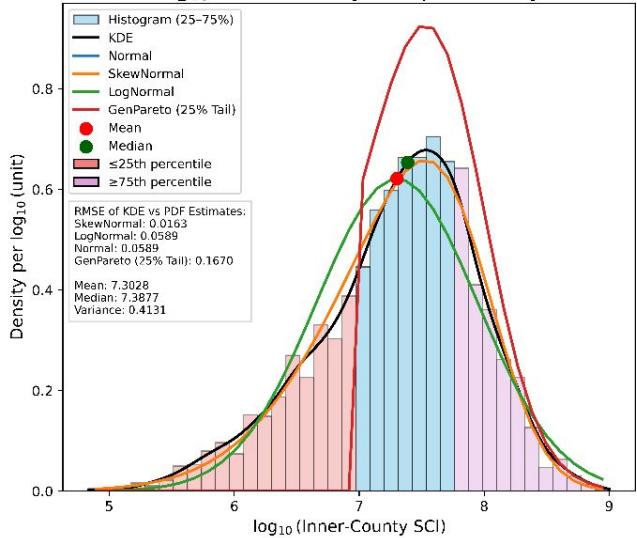


| GEOID Type: | GEOIDS Included: | Network Type: | y | Linear Fit: | Confidence Interval: | Adj. R^2: | Averages: |
|-------------|------------------|---------------|-------------------------------------------|----------------------|----------------------------------------------------|-----------|----------------------------------------------------------------|
| County | 3141 | Total | Rescaled Cumulative Total Degree | $y = 0.972x + 0.019$ | Exp: [0.967, 0.977] Intercept: [0.015, 0.024] | 0.979 | Rescaled Degree: 115,046,176 (Pop; Users): 106,879; 54,429 |
| | | Inner | Rescaled Cumulative Inner-Total Degree | $y = 1.062x - 0.013$ | Exp: [1.052, 1.073] Intercept: [-0.022, -0.004] | 0.925 | Rescaled Degree: 35,816,319 (Pop; Users): 106,879; 54,429 |
| | | Outgoing | Rescaled Cumulative Outgoing-Total Degree | $y = 0.945x + 0.024$ | Exp: [0.939, 0.950] Intercept: [0.020, 0.029] | 0.975 | Rescaled Degree: 79,229,857 (Pop; Users): 106,879; 54,429 |
| CBSA | 917 | Total | Rescaled Cumulative Total Degree | $y = 0.979x + 0.009$ | Exp: [0.967, 0.990] Intercept: [0.000, 0.017] | 0.969 | Rescaled Degree: 369,646,071 (Pop; Users): 345,975; 175,799 |
| | | Inner | Rescaled Cumu. Inner-Total Degree | $y = 1.064x - 0.065$ | Exp: [1.046, 1.082] Intercept: [-0.079, -0.051] | 0.937 | Rescaled Degree: 166,674,627 (Pop; Users): 345,975; 175,799 |
| | | Outgoing | Rescaled Cumu. Outgoing-Total Degree | $y = 0.924x + 0.047$ | Exp: [0.913, 0.936] Intercept: [0.039, 0.056] | 0.966 | Rescaled Degree: 202,971,443 (Pop; Users): 345,975; 175,799 |
| MSA | 381 | Total | Rescaled Cumulative Total Degree | $y = 0.982x + 0.006$ | Exp: [0.962, 1.002] Intercept: [-0.006, 0.017] | 0.962 | Rescaled Degree: 806,430,257 (Pop; Users): 760,791; 385,411 |
| | | Inner | Rescaled Cumulative Inner-Total Degree | $y = 1.082x - 0.048$ | Exp: [1.049, 1.114] Intercept: [-0.067, -0.028] | 0.919 | Rescaled Degree: 372,823,802 (Pop; Users): 760,791; 385,411 |
| | | Outgoing | Rescaled Cumulative Outgoing-Total Degree | $y = 0.914x + 0.033$ | Exp: [0.894, 0.933] Intercept: [0.021, 0.045] | 0.958 | Rescaled Degree: 433,696,455 (Pop; Users): 760,791; 385,411 |
| muSA | 536 | Total | Rescaled Cumulative Total Degree | $y = 0.969x - 0.009$ | Exp: [0.931, 1.007] Intercept: [-0.018, 0.000] | 0.821 | Rescaled Degree: 59,170,744 (Pop; Users): 51,115; 26,802 |
| | | Inner | Rescaled Cumulative Inner-Total Degree | $y = 1.054x - 0.029$ | Exp: [0.994, 1.113] Intercept: [-0.042, -0.016] | 0.694 | Rescaled Degree: 20,139,486 (Pop; Users): 51,115; 26,802 |
| | | Outgoing | Rescaled Cumulative Outgoing-Total Degree | $y = 0.921x - 0.007$ | Exp: [0.883, 0.960] Intercept: [-0.016, 0.002] | 0.805 | Rescaled Degree: 39,031,258 (Pop; Users): 51,115; 26,802 |

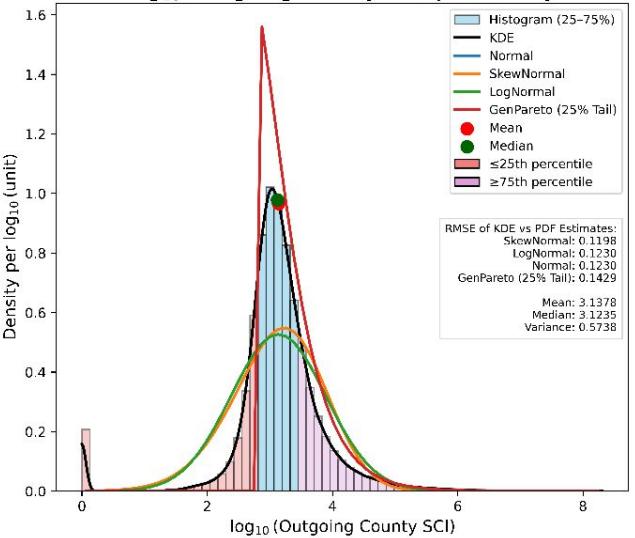
Social Connectedness Index Plots

- Histograms

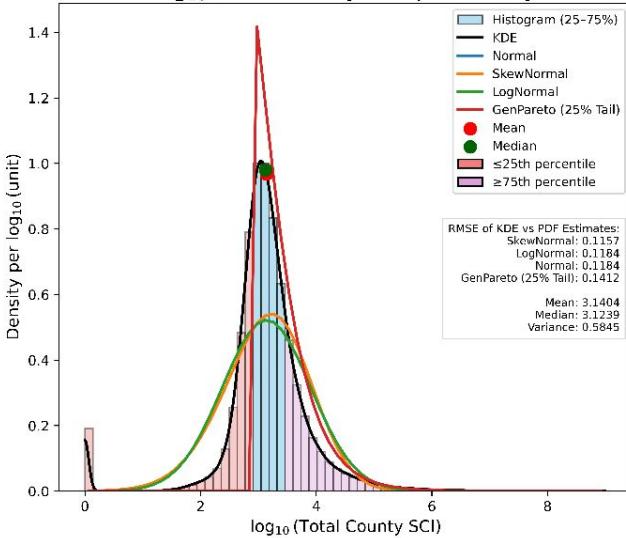
\log_{10} (Inner-County SCI) per County



\log_{10} (Outgoing County SCI) per County



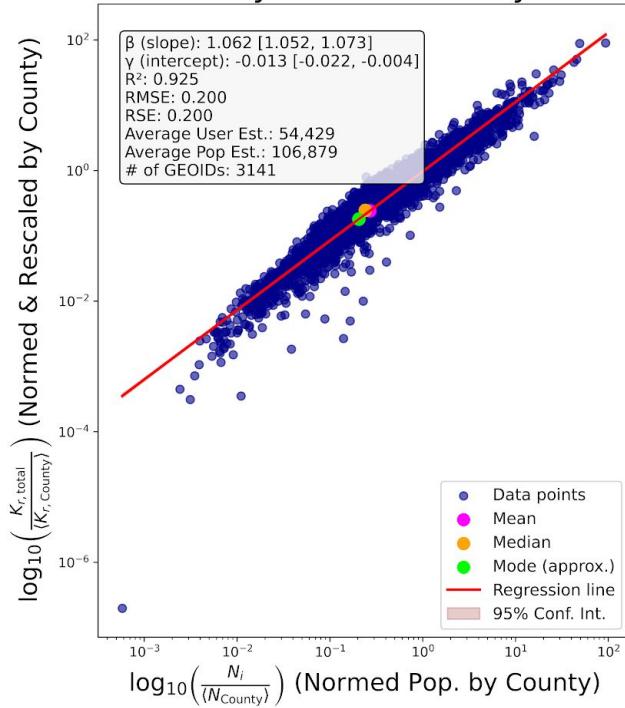
\log_{10} (Total County SCI) per County



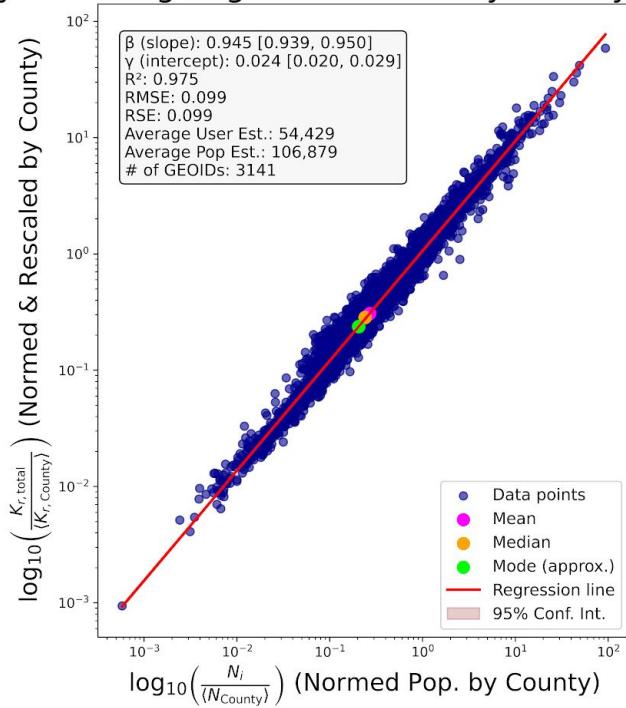
County Plots

-
- Regressions
 - Histograms
 - Choropleths

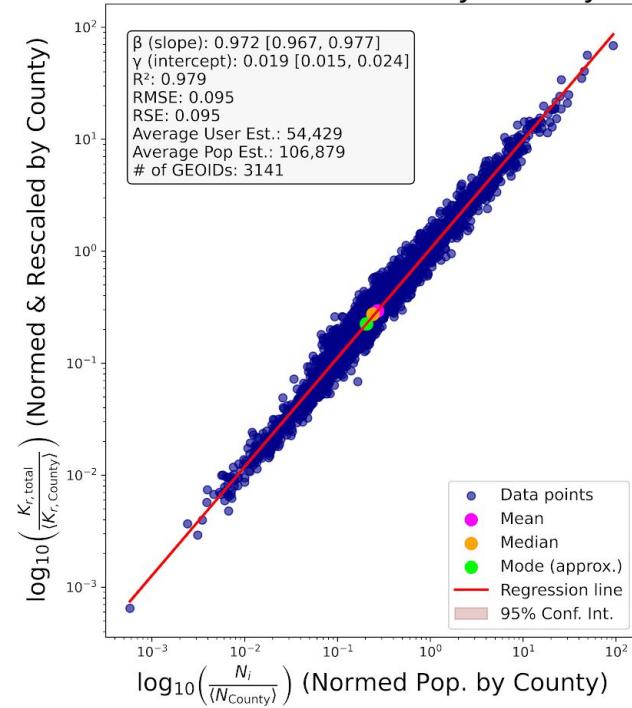
Inter-County Connections by County

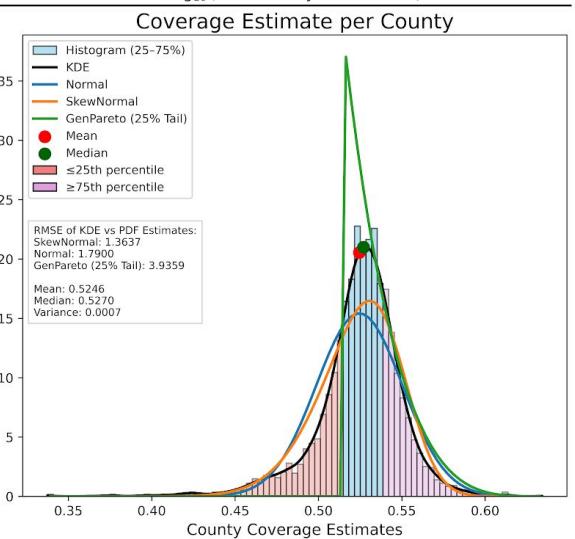
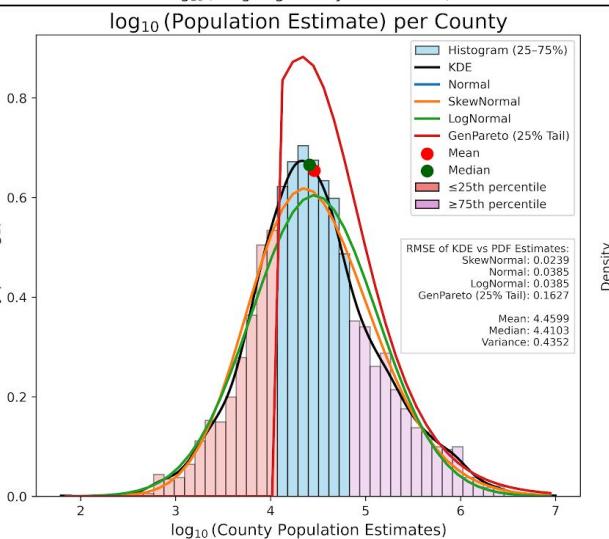
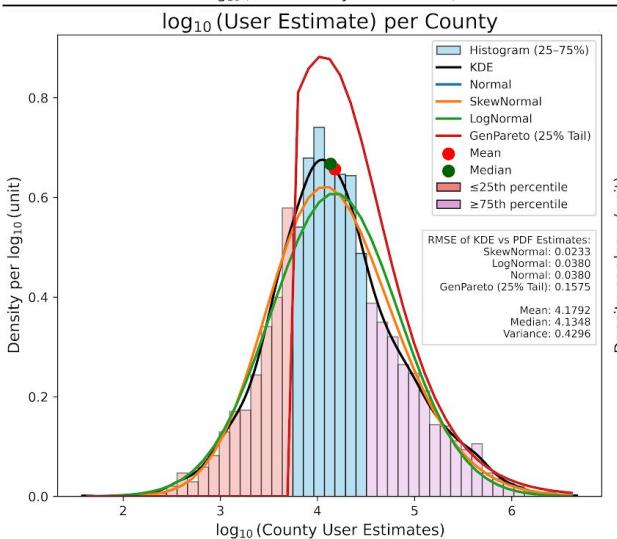
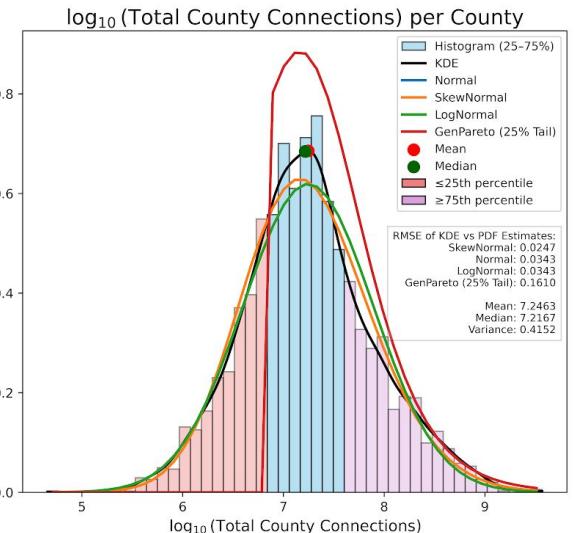
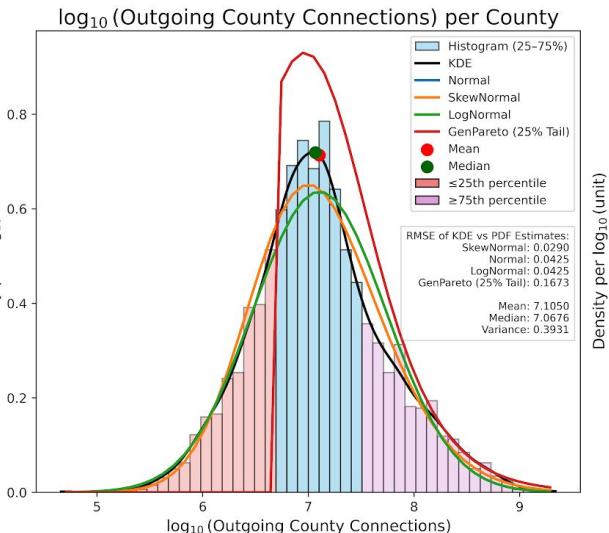
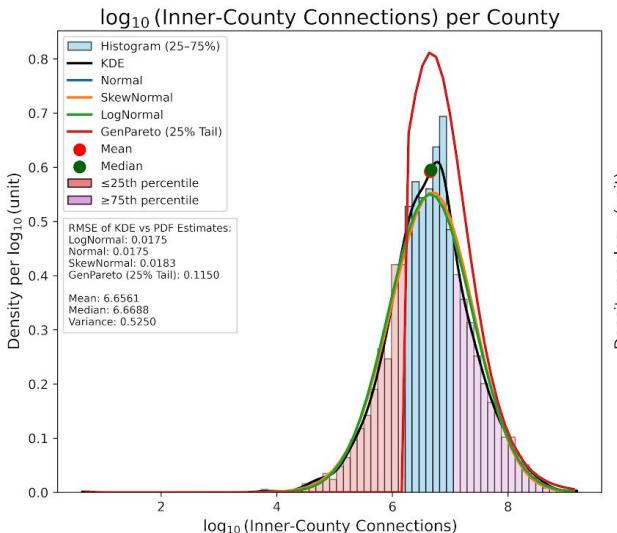


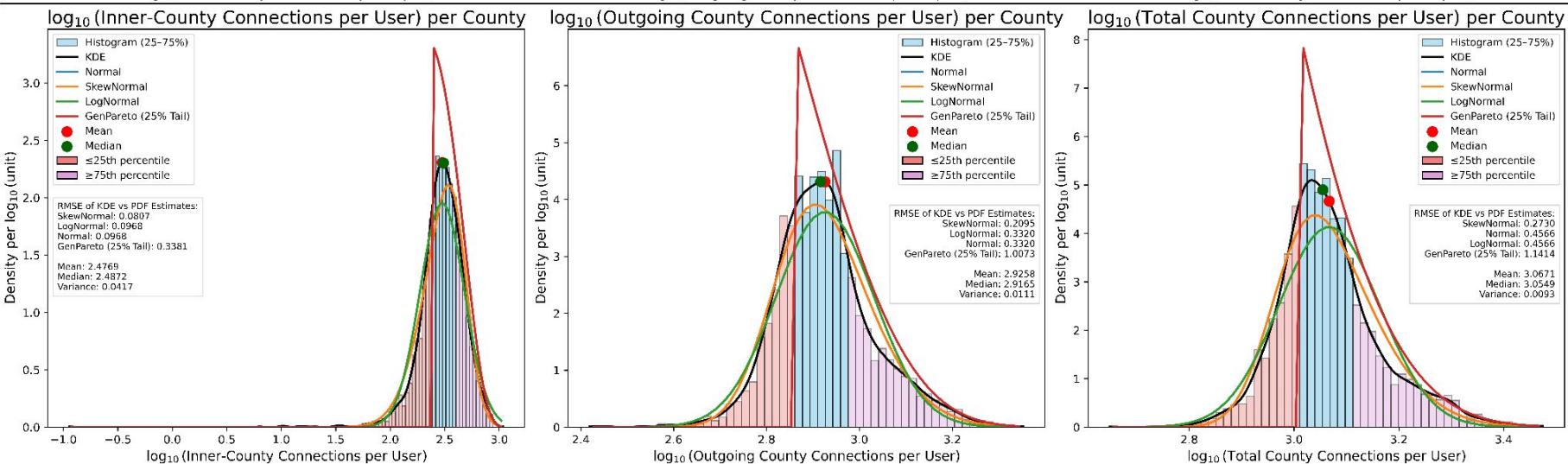
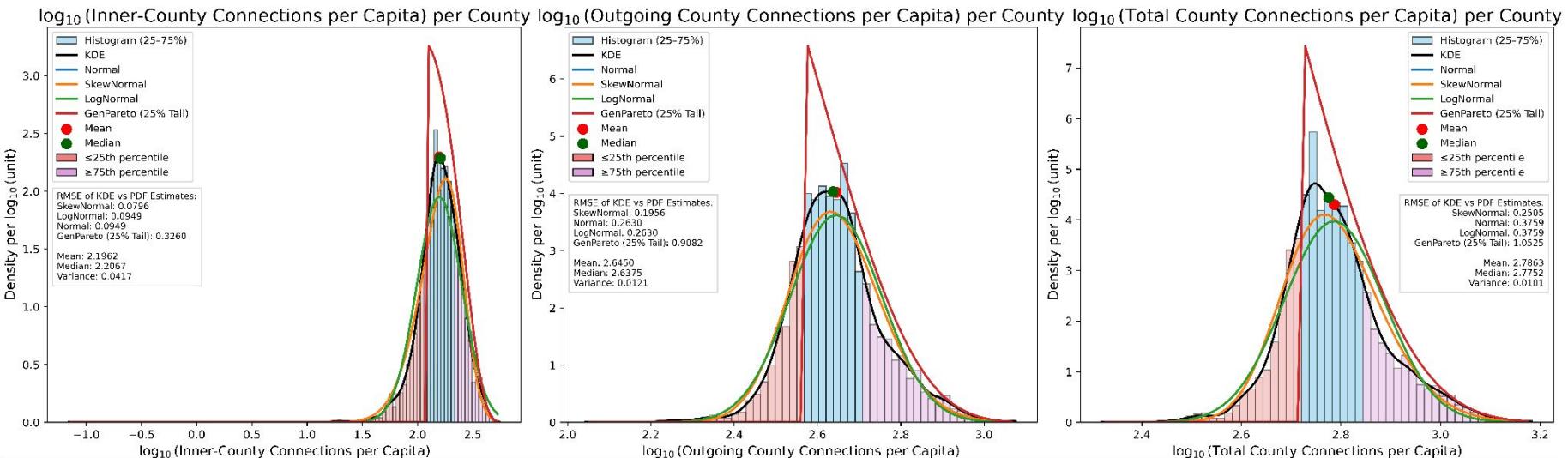
Outgoing Connections by County



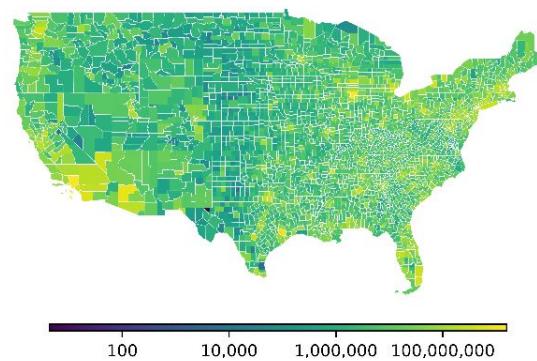
Total Connections by County



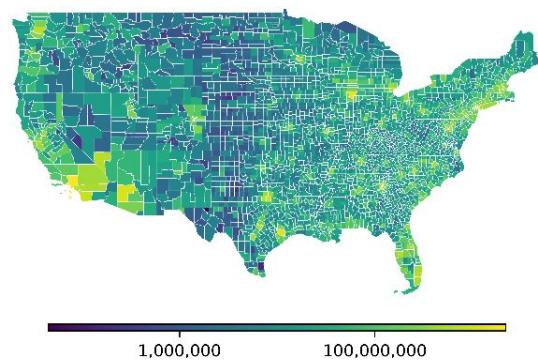




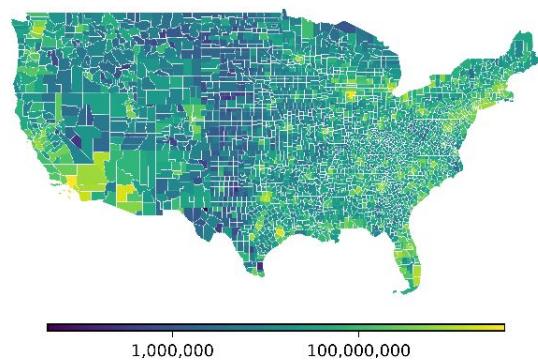
Inter-County Connections



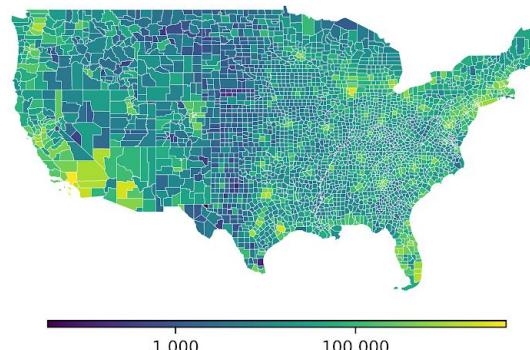
Outgoing County Connections



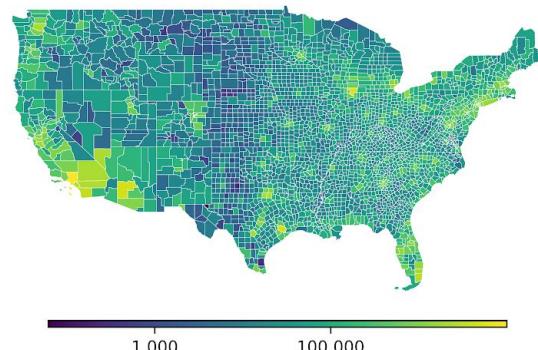
Total County Connections



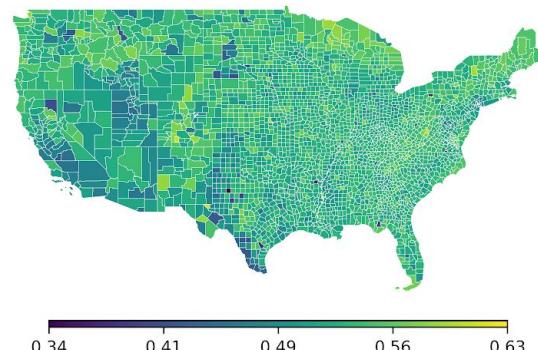
County User Count Estimates



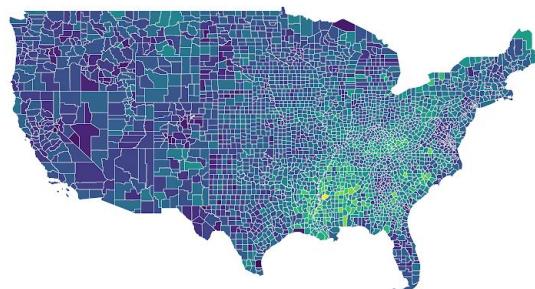
County Population Estimates



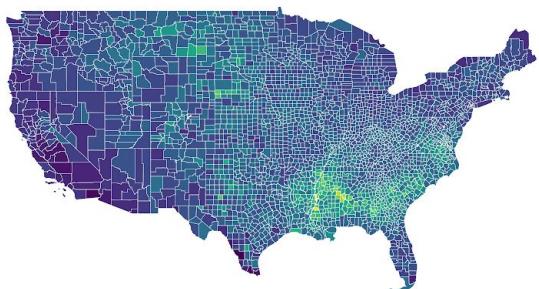
County Coverage Estimates



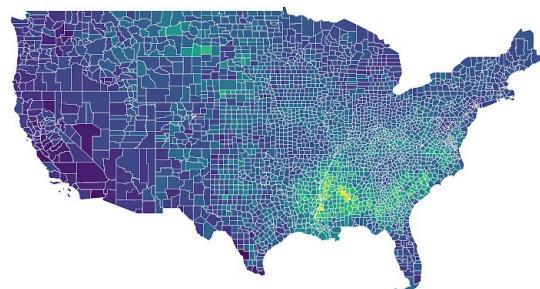
Inter-County Connections per Capita



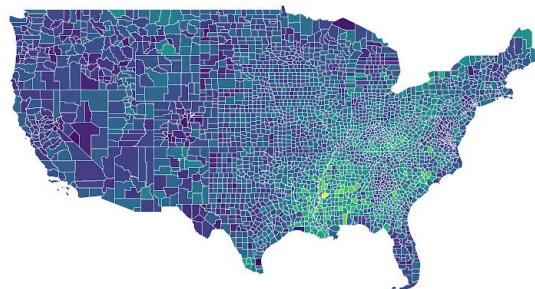
Outgoing County Connections per Capita



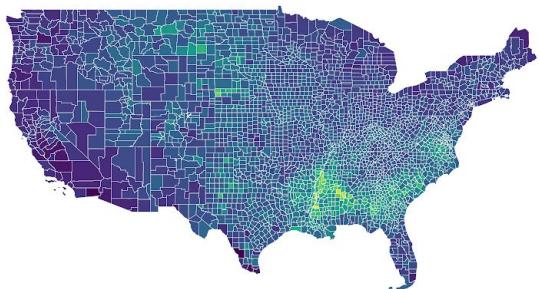
Total County Connections per Capita



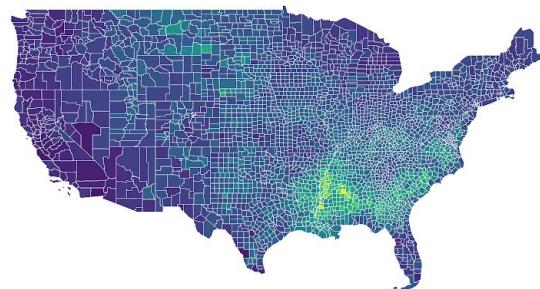
Inner-County Connections per User



Outgoing County Connections per User



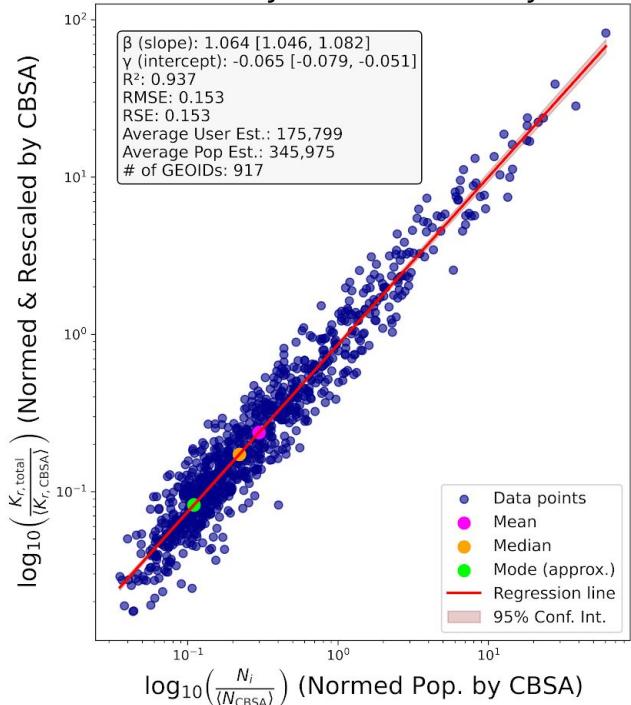
Total County Connections per User



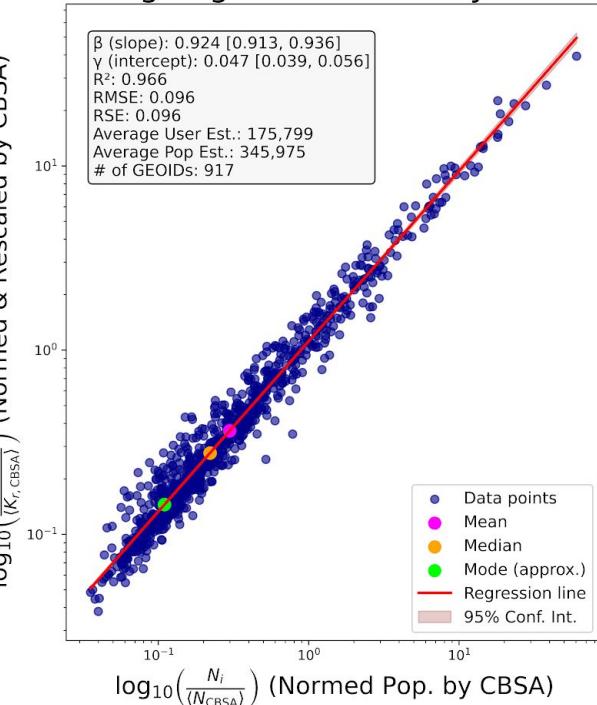
CBSA Plots

-
- Regressions
 - Histograms

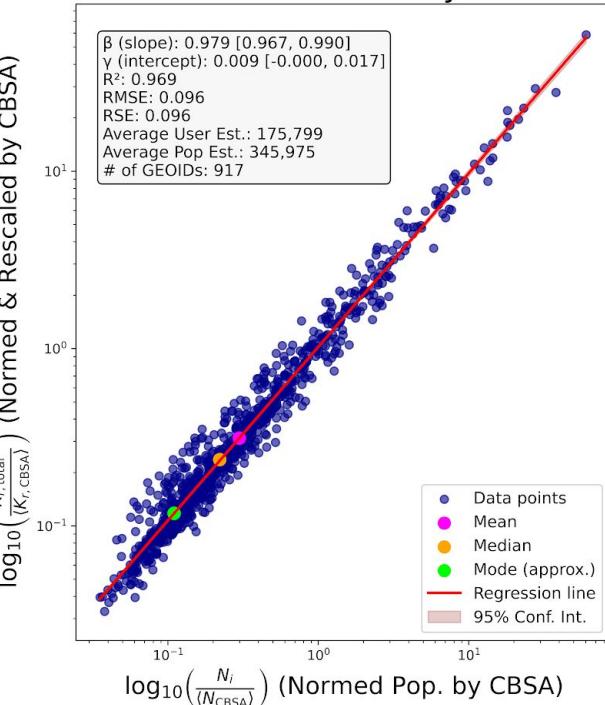
Inter-County Connections by CBSA

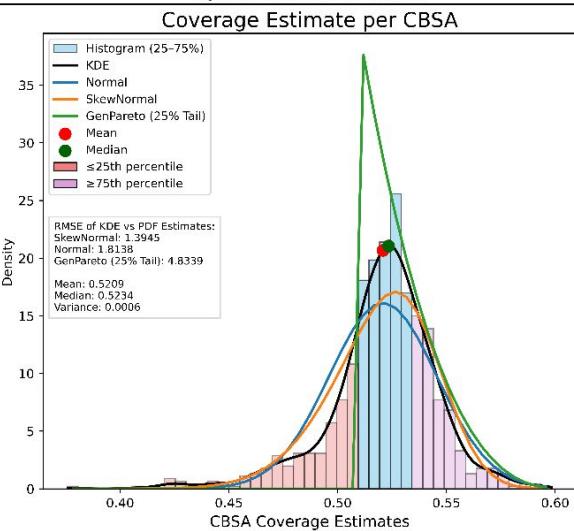
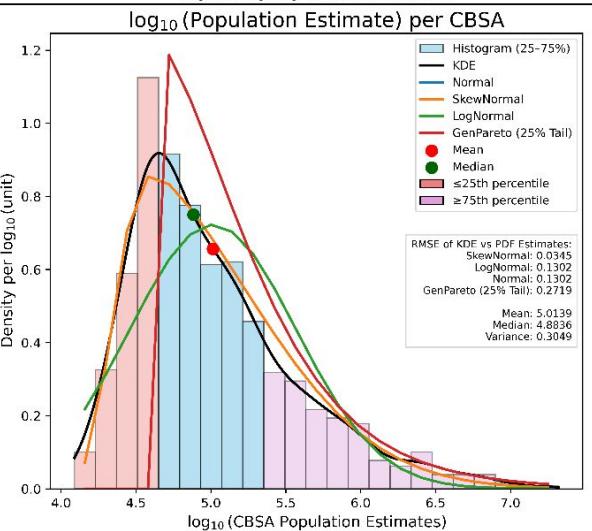
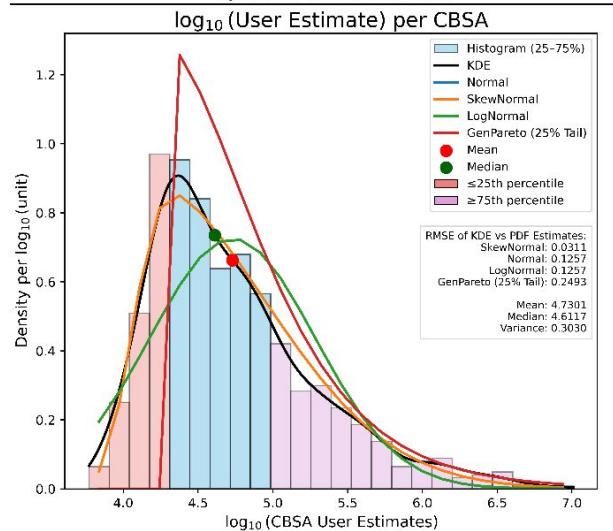
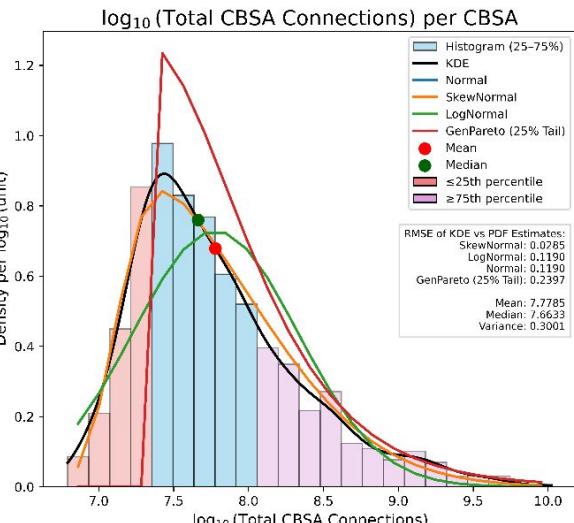
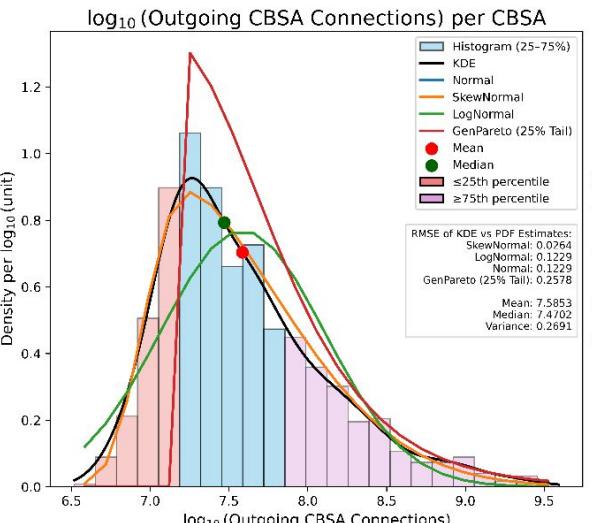
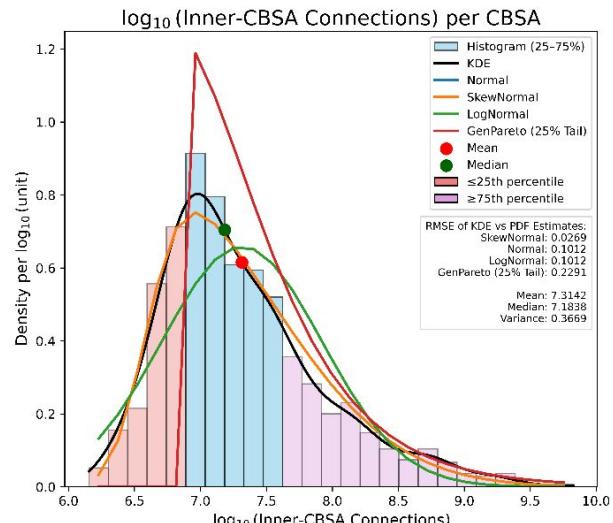


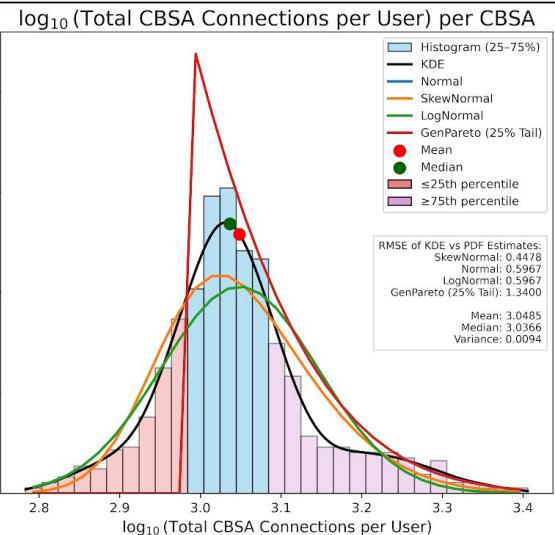
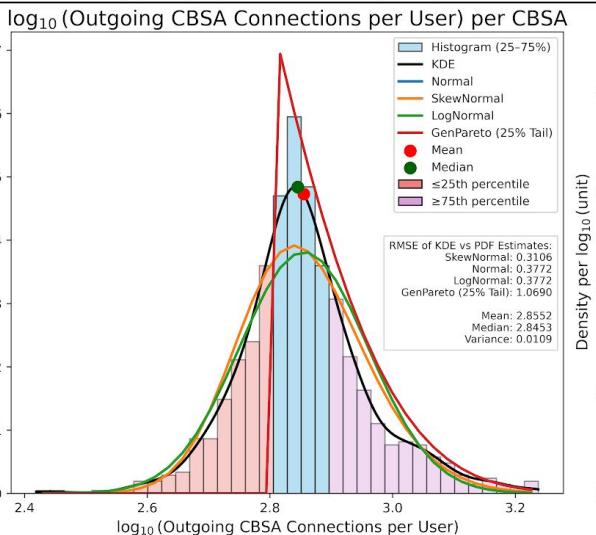
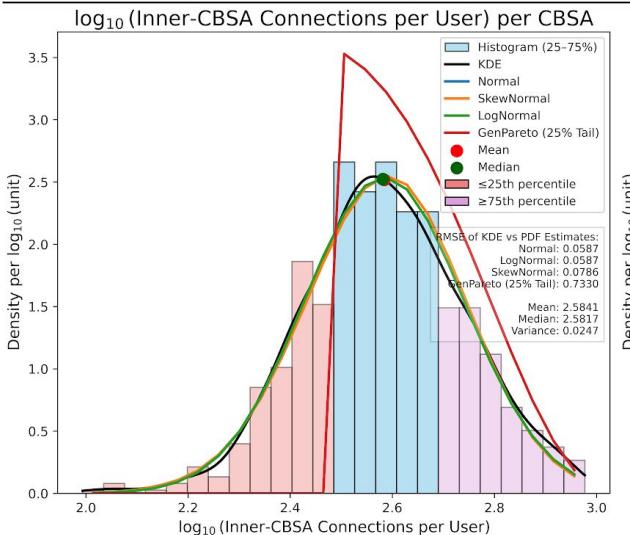
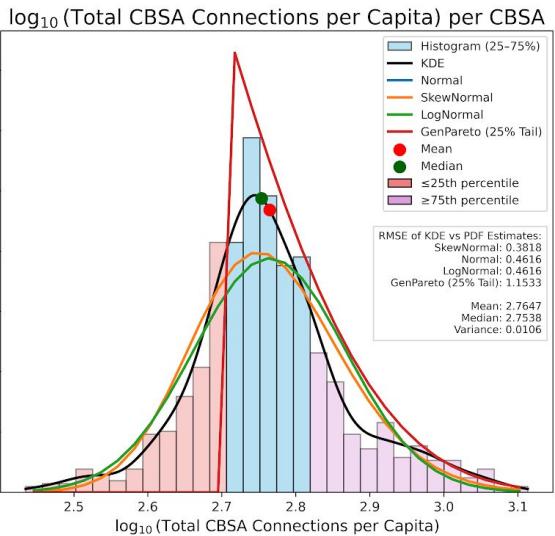
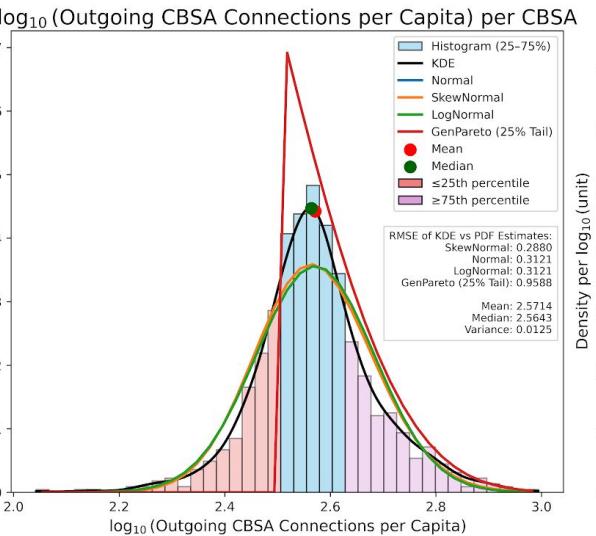
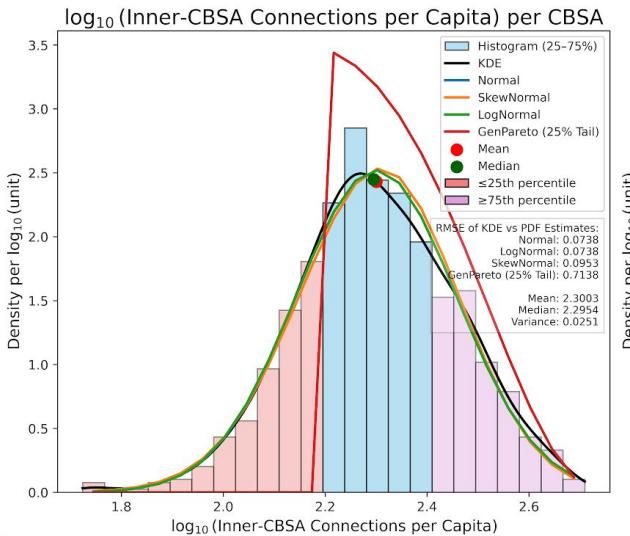
Outgoing Connections by CBSA



Total Connections by CBSA





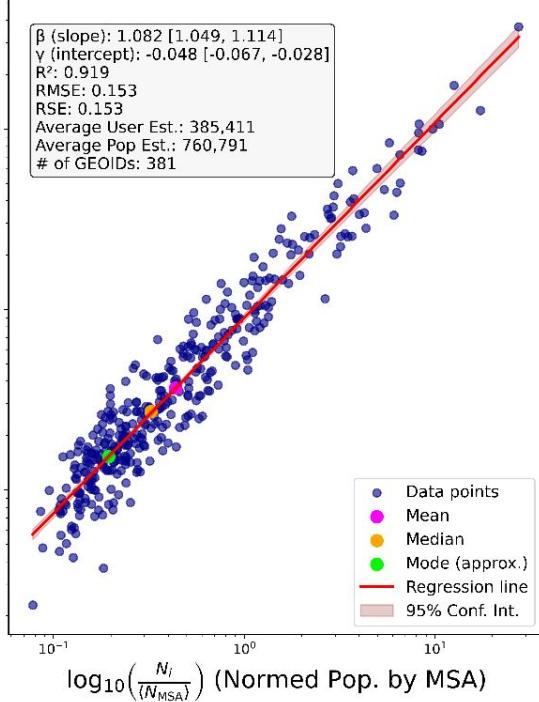


MSA Plots

-
- Regressions
 - Histograms

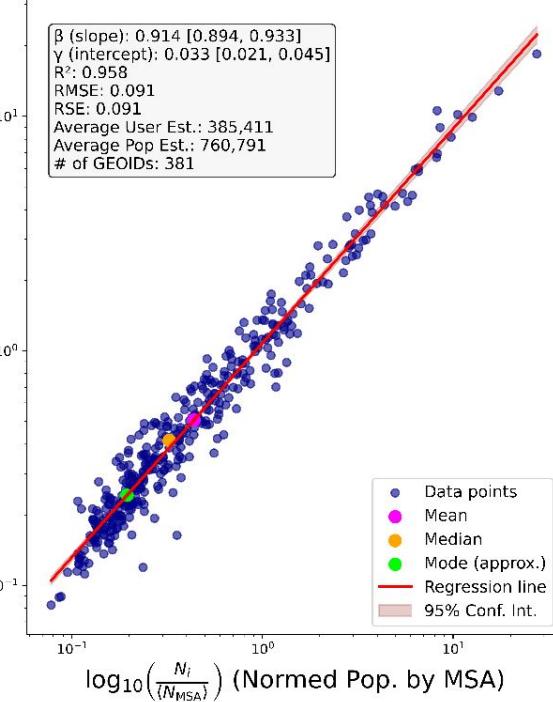
Inter-County Connections by MSA

$\log_{10}\left(\frac{K_{r,\text{total}}}{K_{r,\text{MSA}}}\right)$ (Normed & Rescaled by MSA)



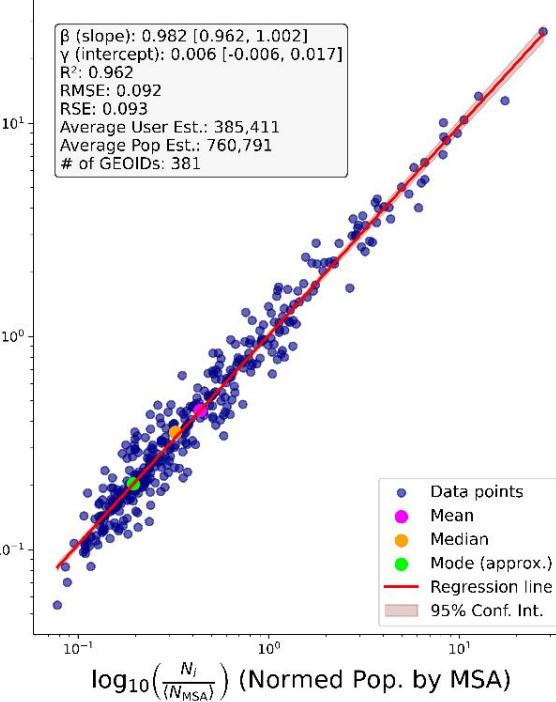
Outgoing Connections by MSA

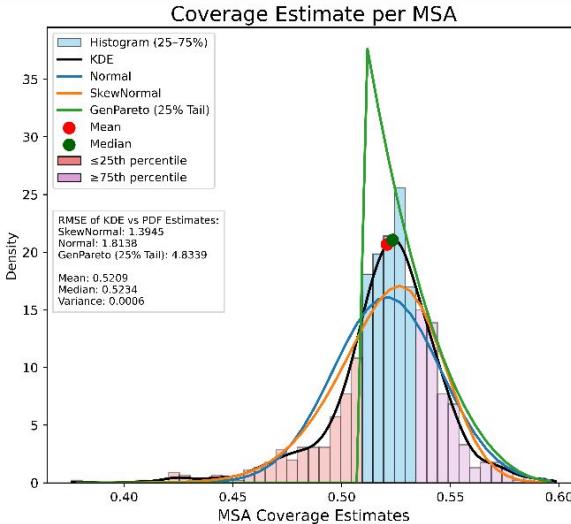
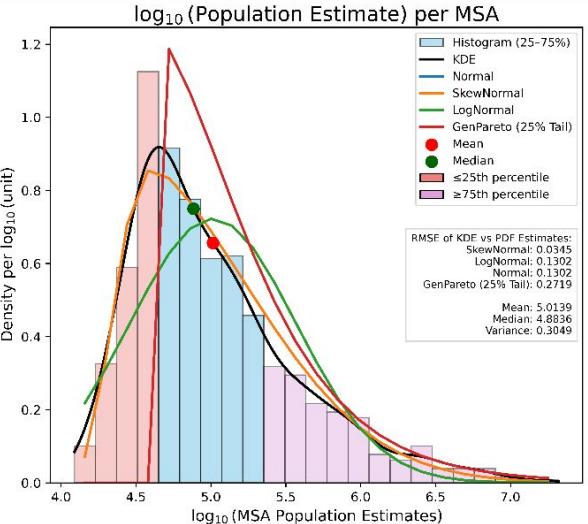
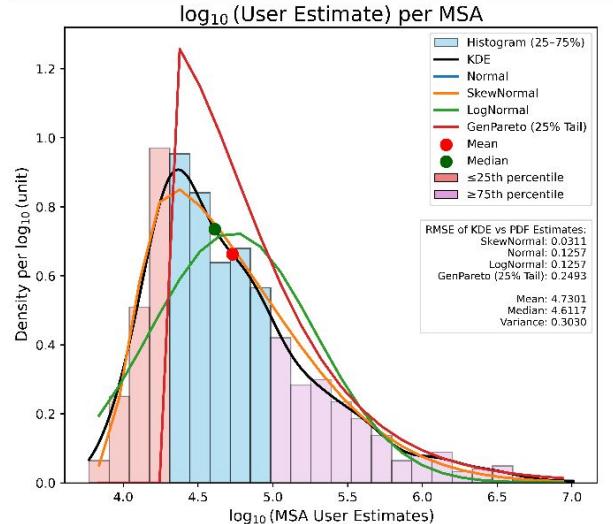
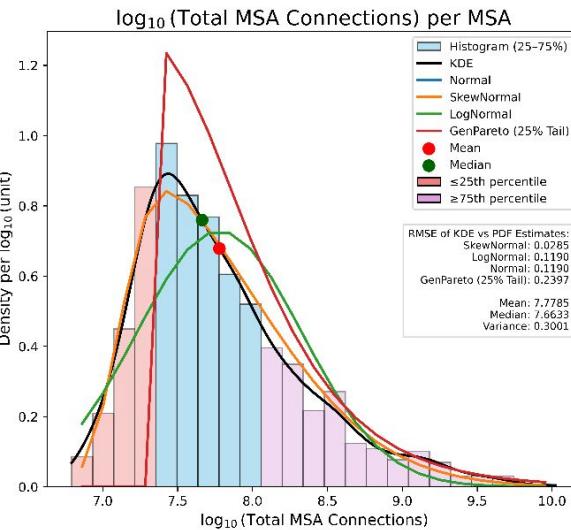
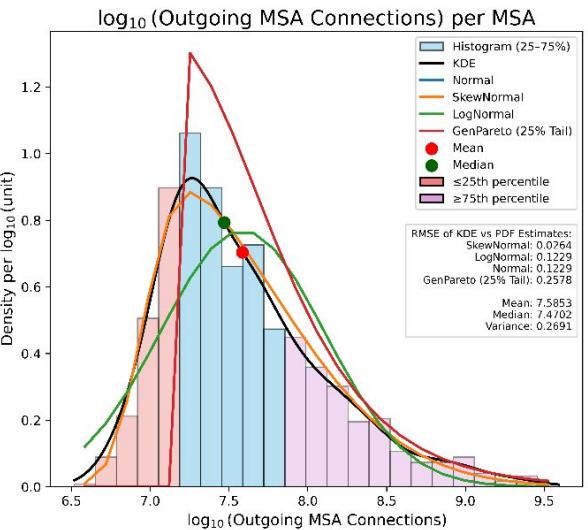
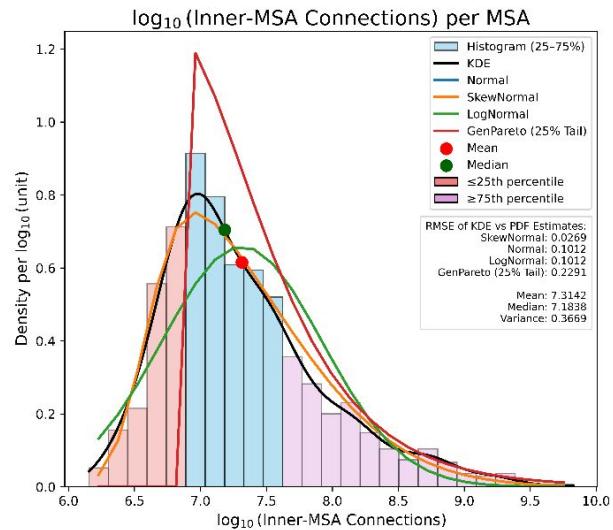
$\log_{10}\left(\frac{K_{r,\text{total}}}{K_{r,\text{MSA}}}\right)$ (Normed & Rescaled by MSA)

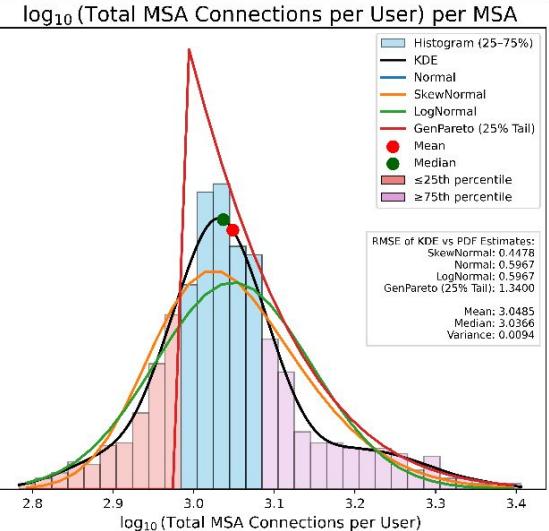
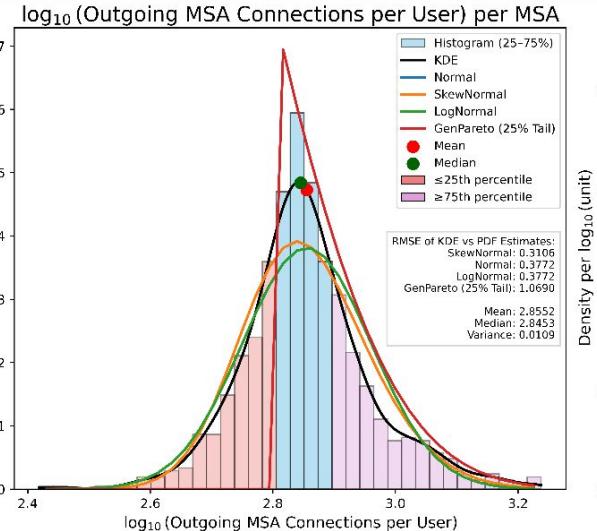
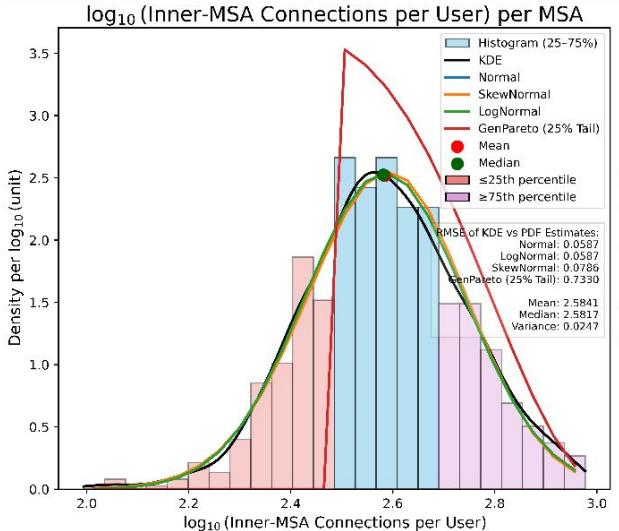
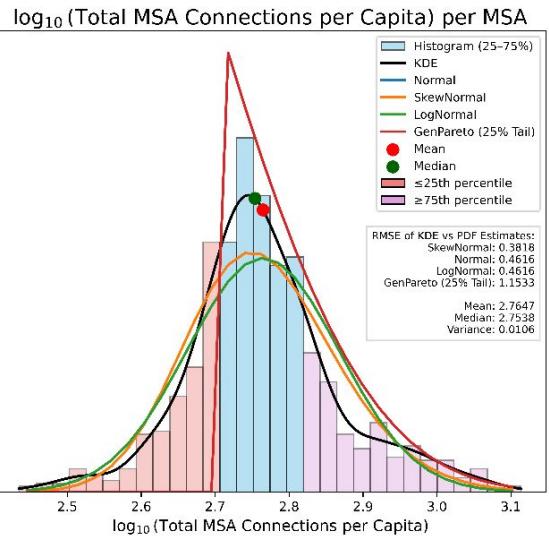
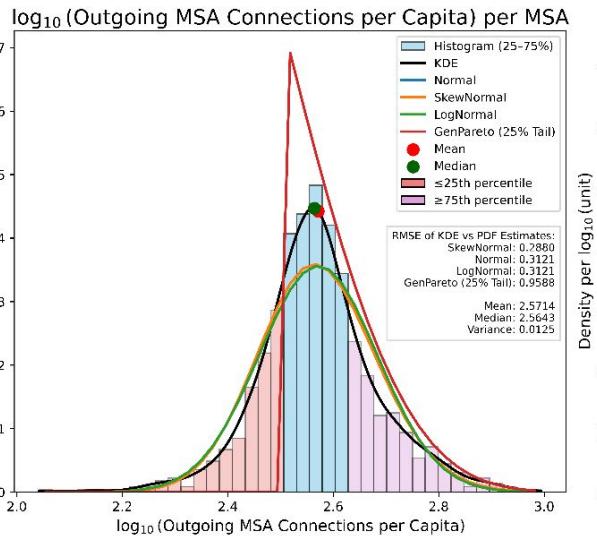
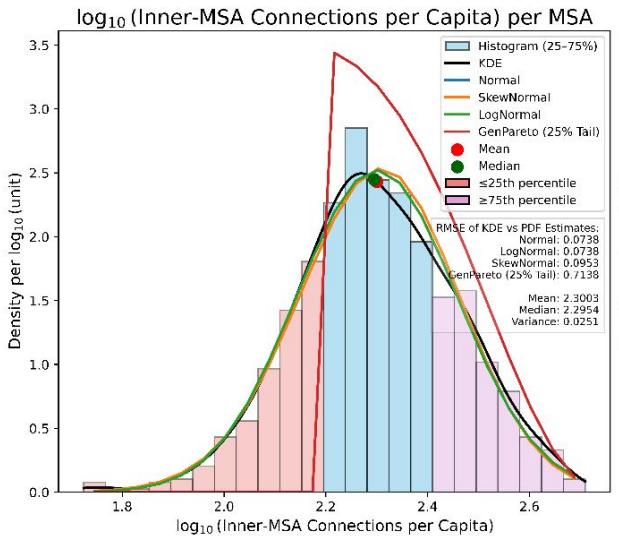


Total Connections by MSA

$\log_{10}\left(\frac{K_{r,\text{total}}}{K_{r,\text{MSA}}}\right)$ (Normed & Rescaled by MSA)



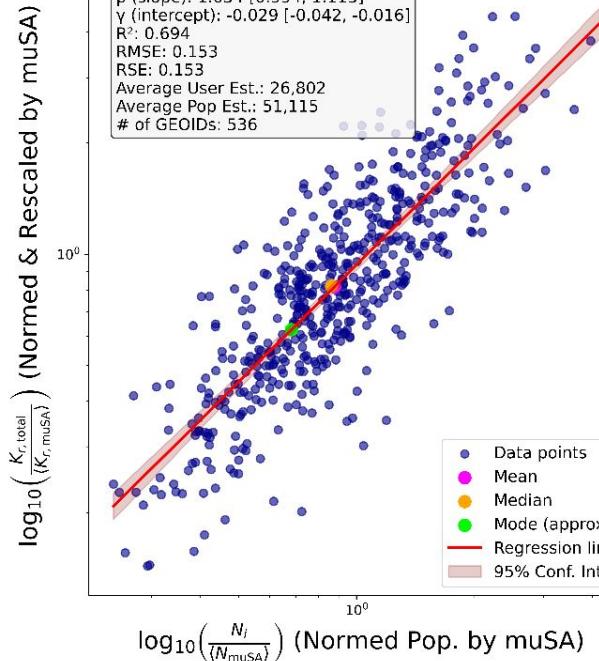




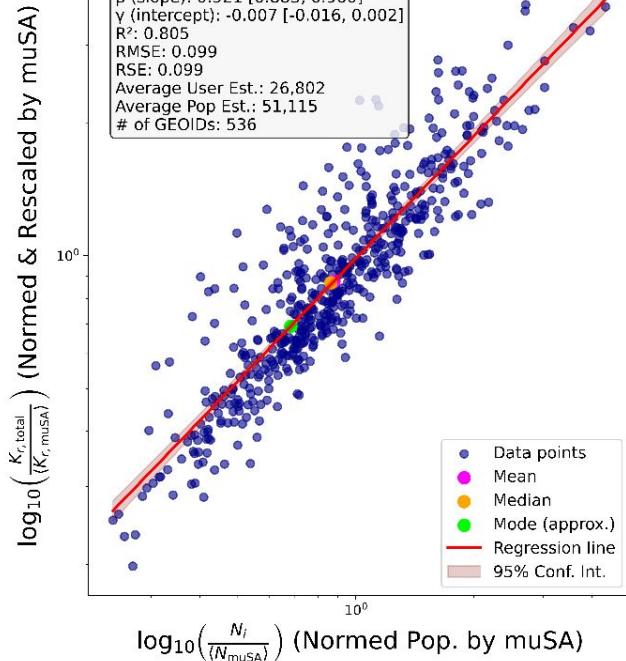
muSA Plots

-
- Regressions
 - Histograms

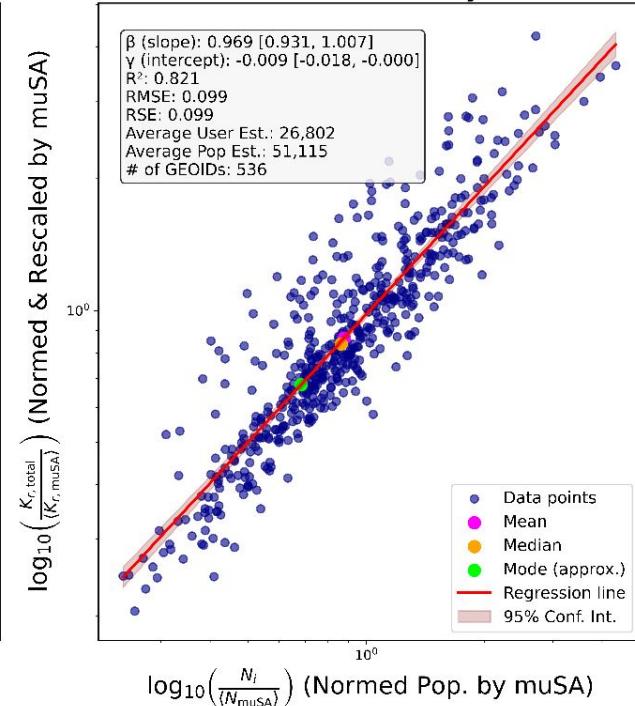
Inter-County Connections by muSA

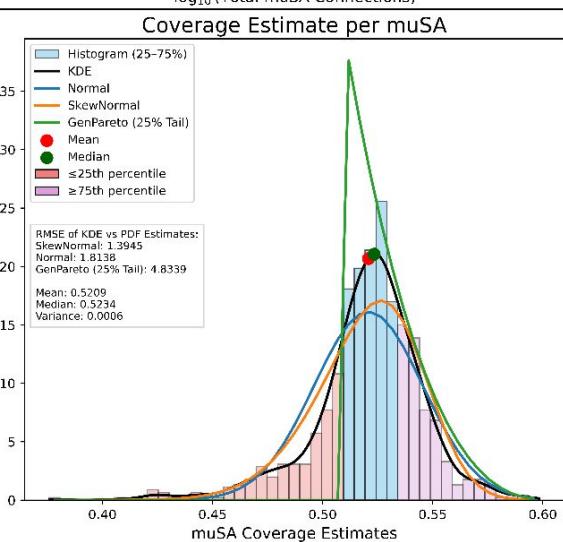
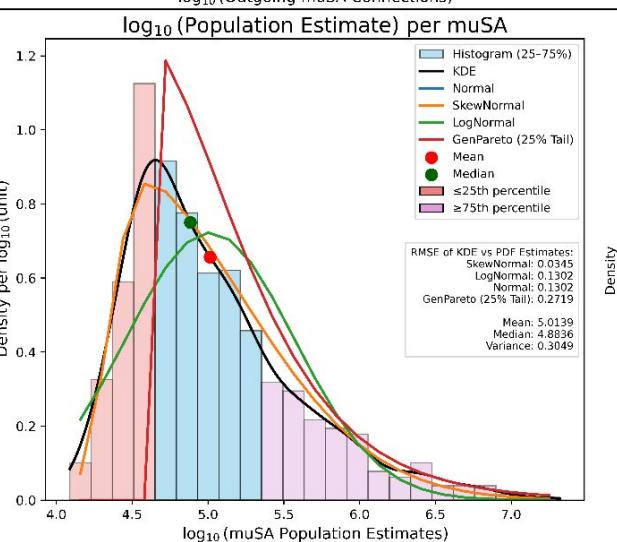
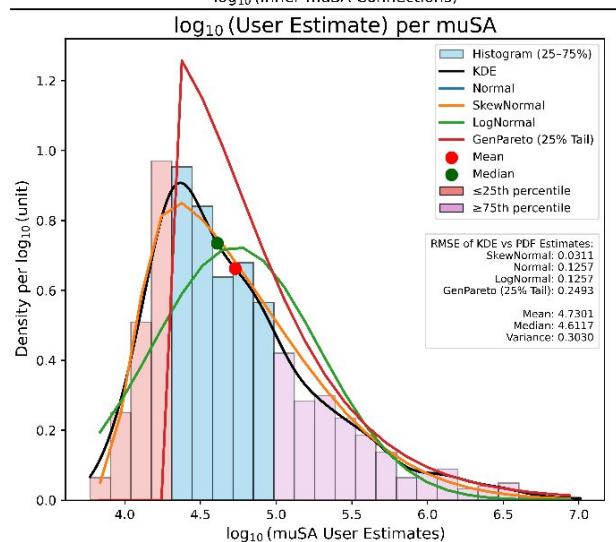
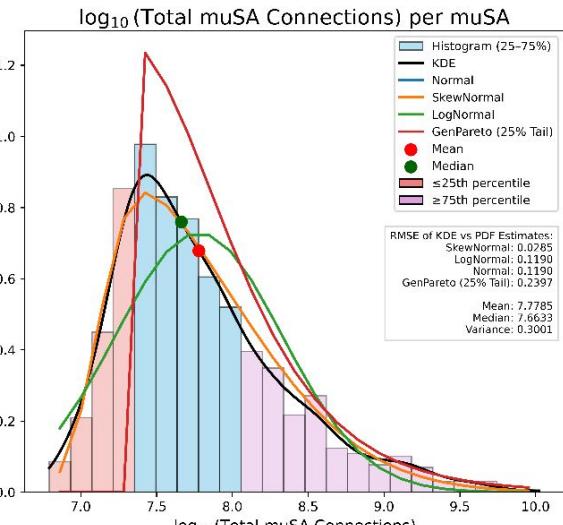
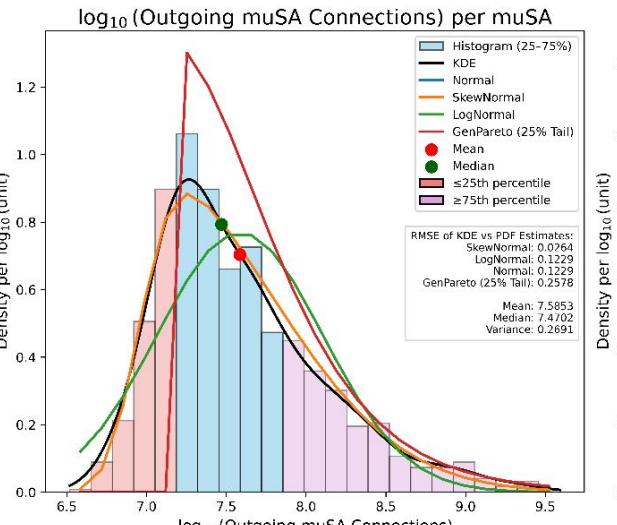
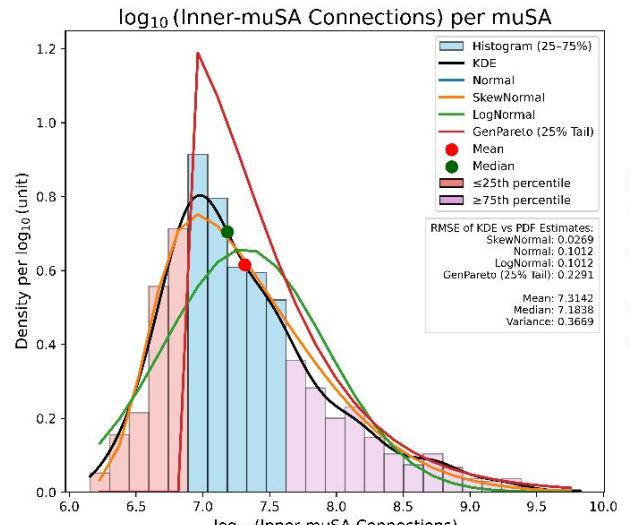


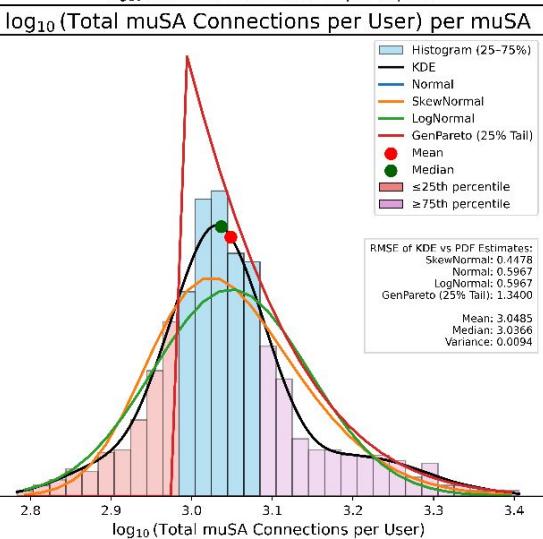
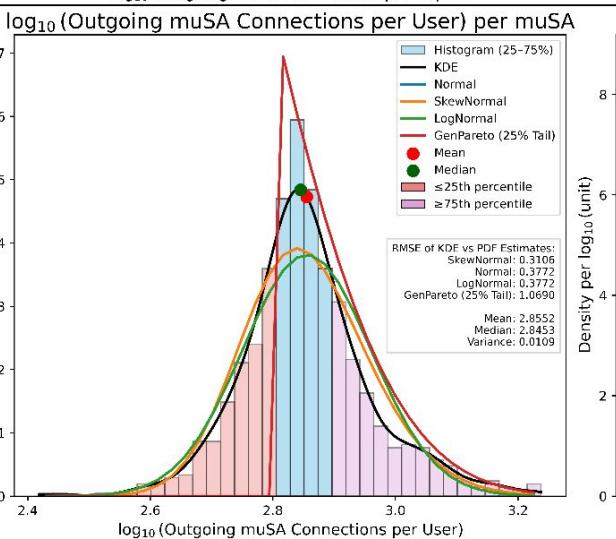
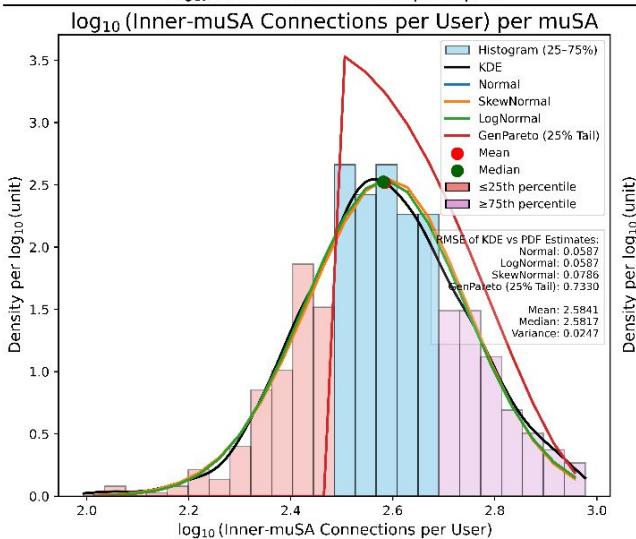
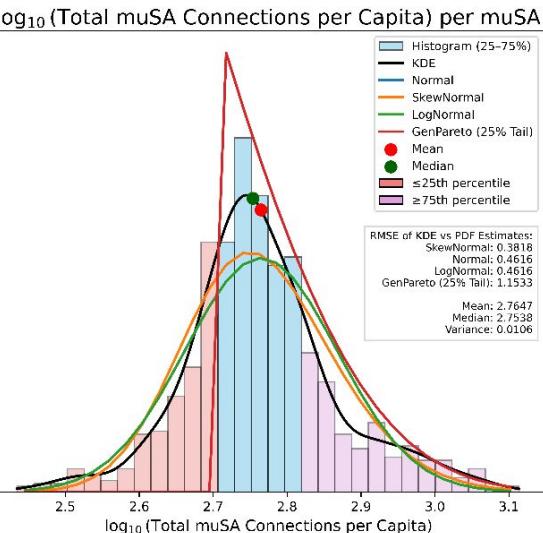
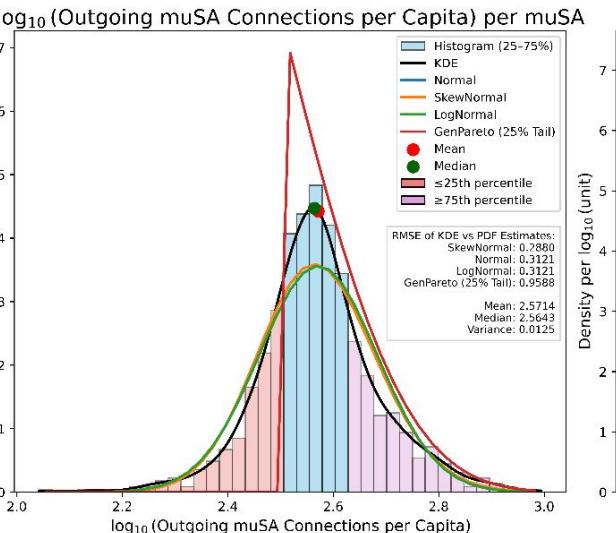
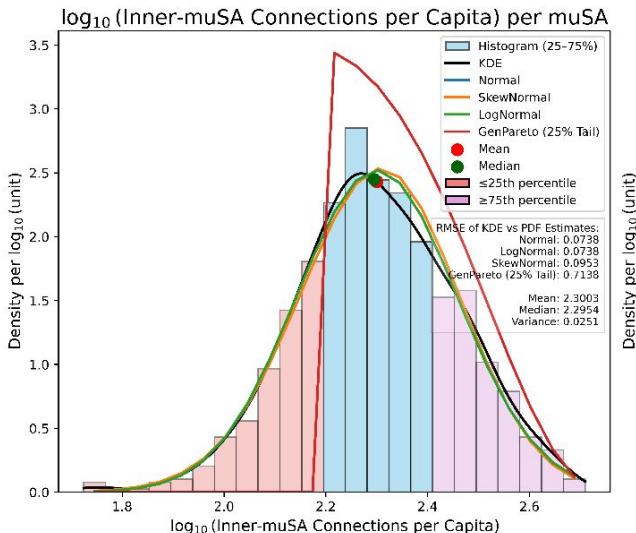
Outgoing Connections by muSA



Total Connections by muSA



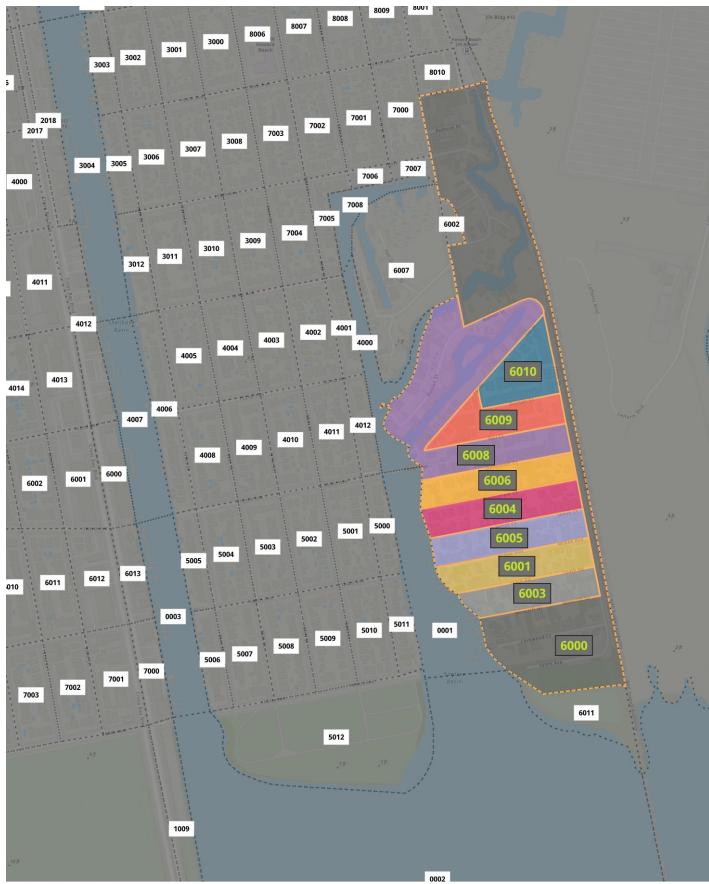




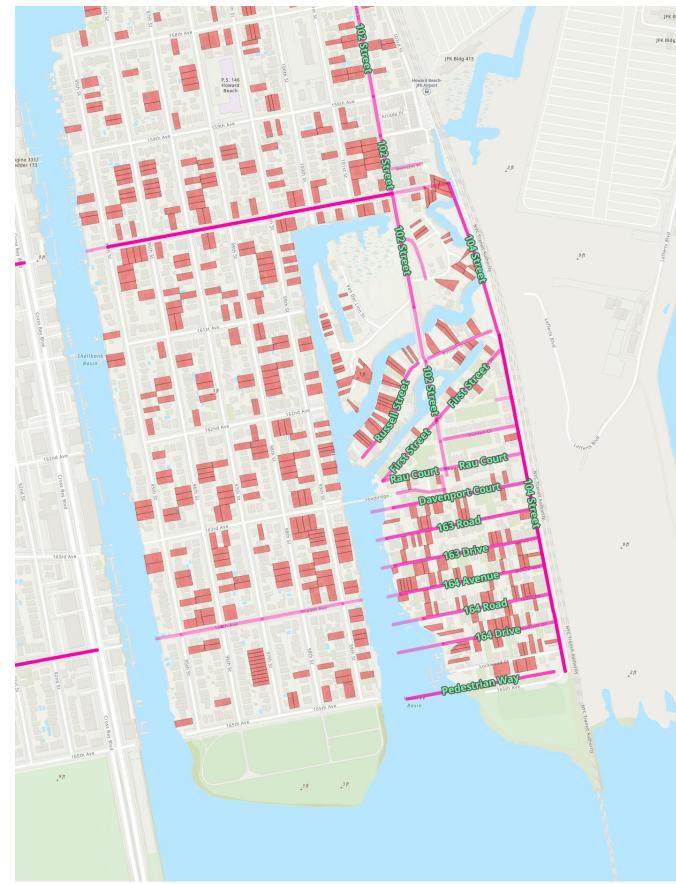
Hamilton Beach Demographic Plots

- Pi Charts
- Bar Charts
 - All selected blocks

HB Census Blocks:

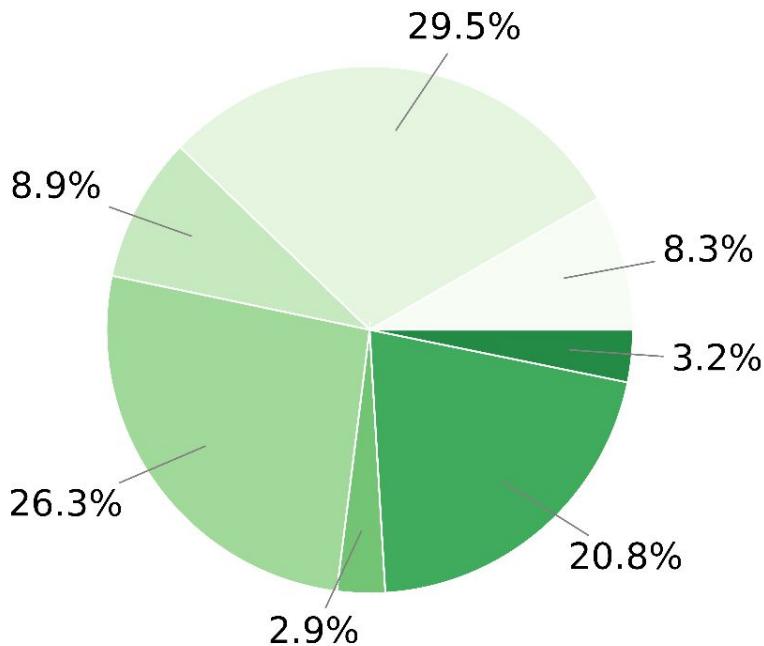


Single Family Homes:



Hamilton Beach Demographics

Educational Level



No HS Diploma

Only HS Diploma

GED

Incomplete College Degree

Associate

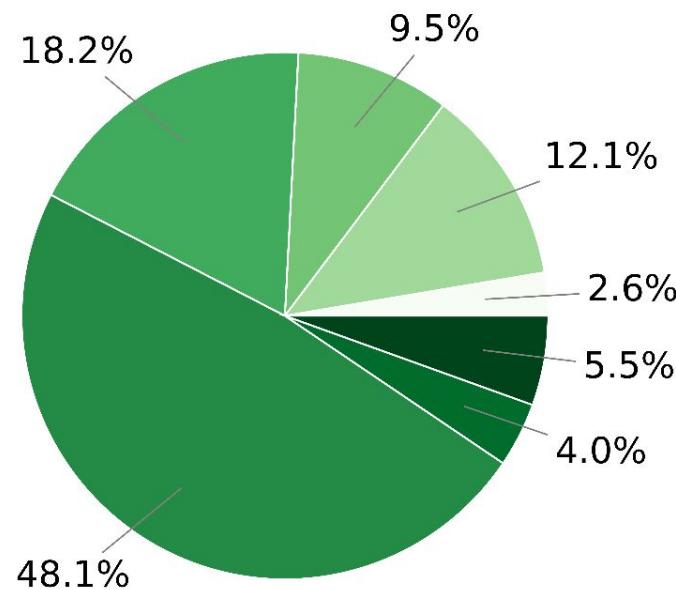
Bachelor

Master

Professional

Doctorate

Household Income



<\$10k

\$10k-25k

\$25k-35k

\$35k-45k

\$45k-60k

\$60k-85k

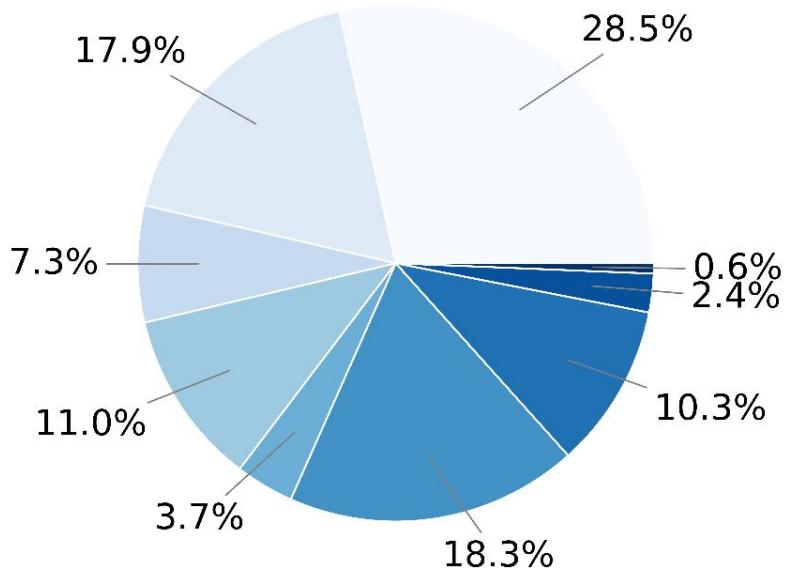
\$100k-150k

\$150k-200k

\$200k+

Red Hook Demographics

Educational Level

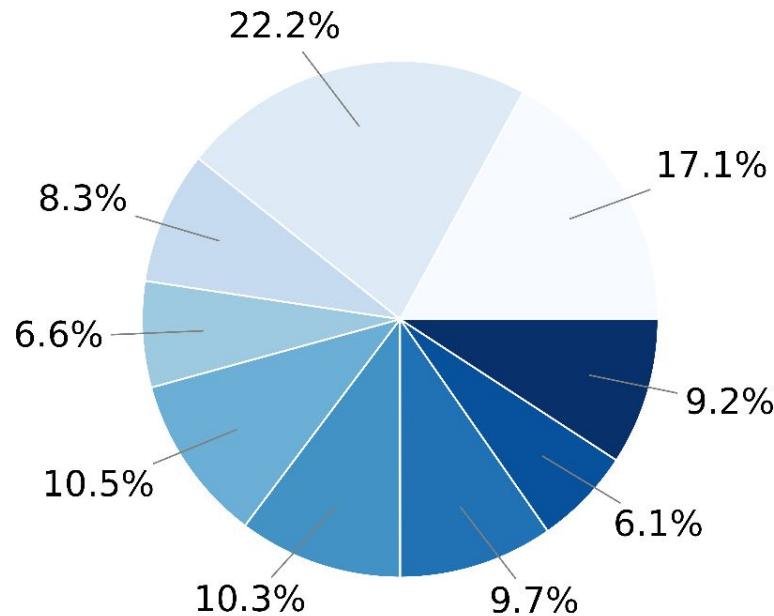


No HS Diploma
Only HS Diploma
GED

Incomplete College Degree
Associate
Bachelor

Master
Professional
Doctorate

Household Income

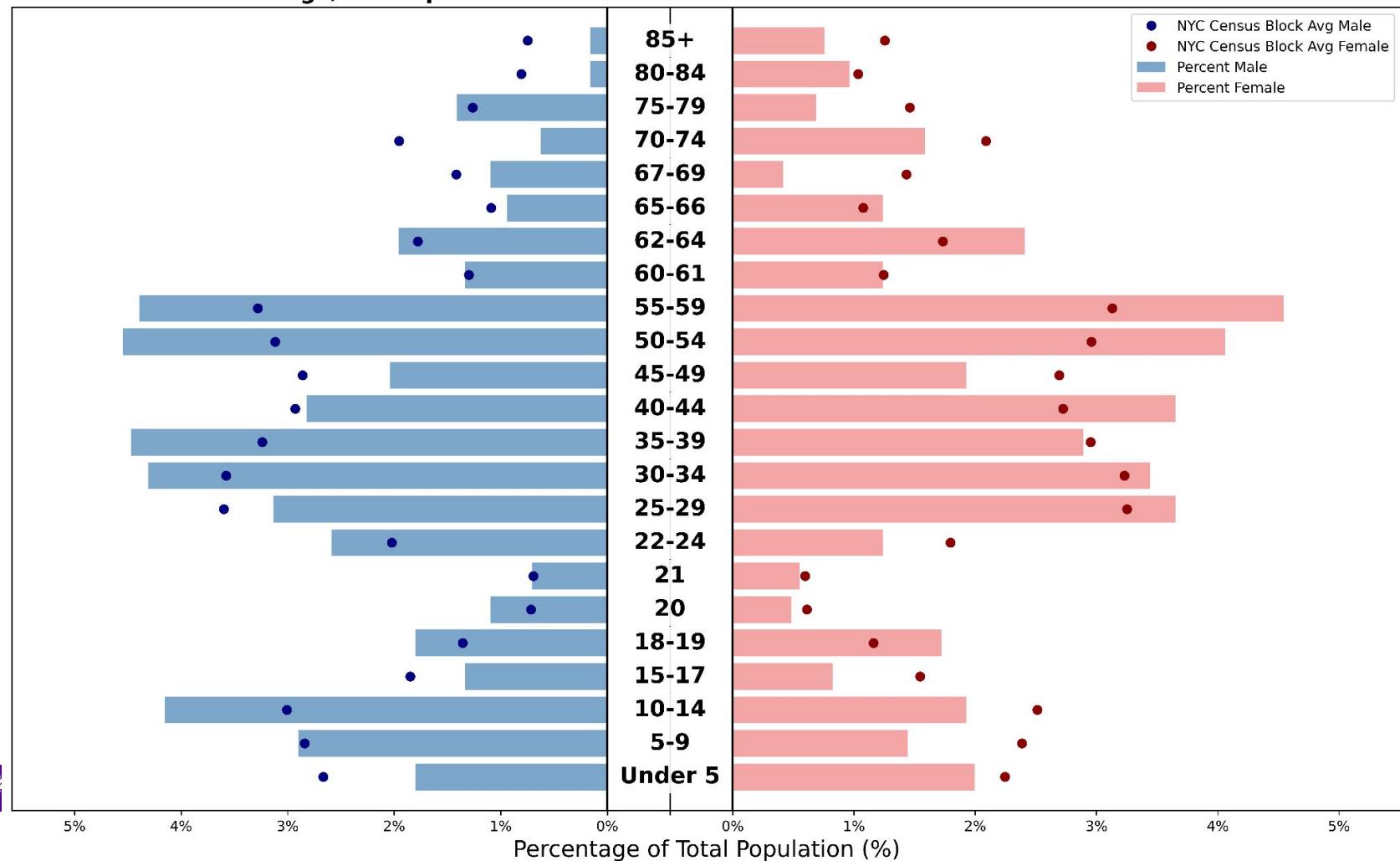


<\$10k
\$10k-25k
\$25k-35k
\$35k-45k
\$45k-60k
\$60k-85k
\$100k-150k
\$150k-200k
\$200k+

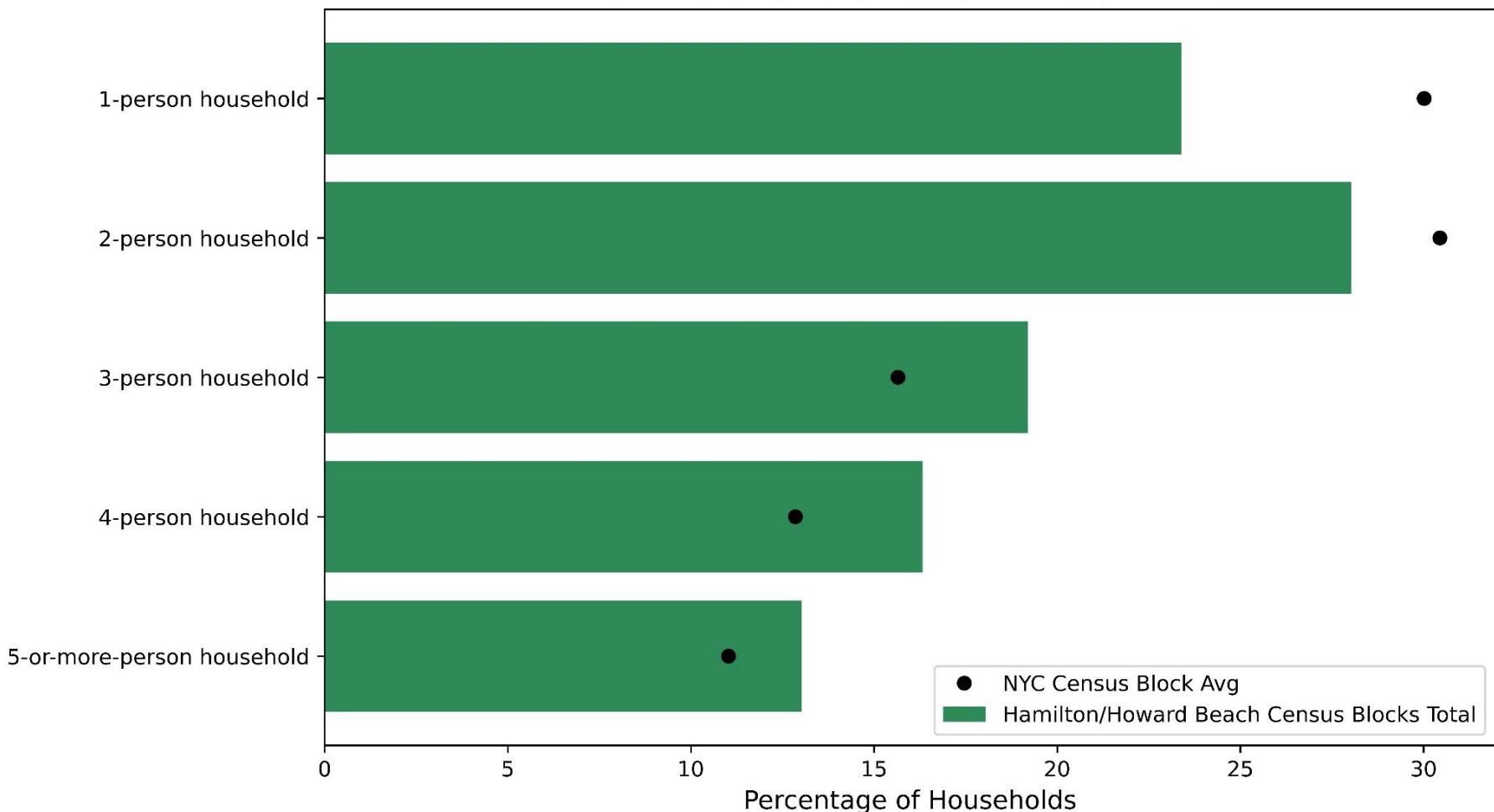
Male

Age/Sex Population Distribution for Hamilton Beach Census Blocks

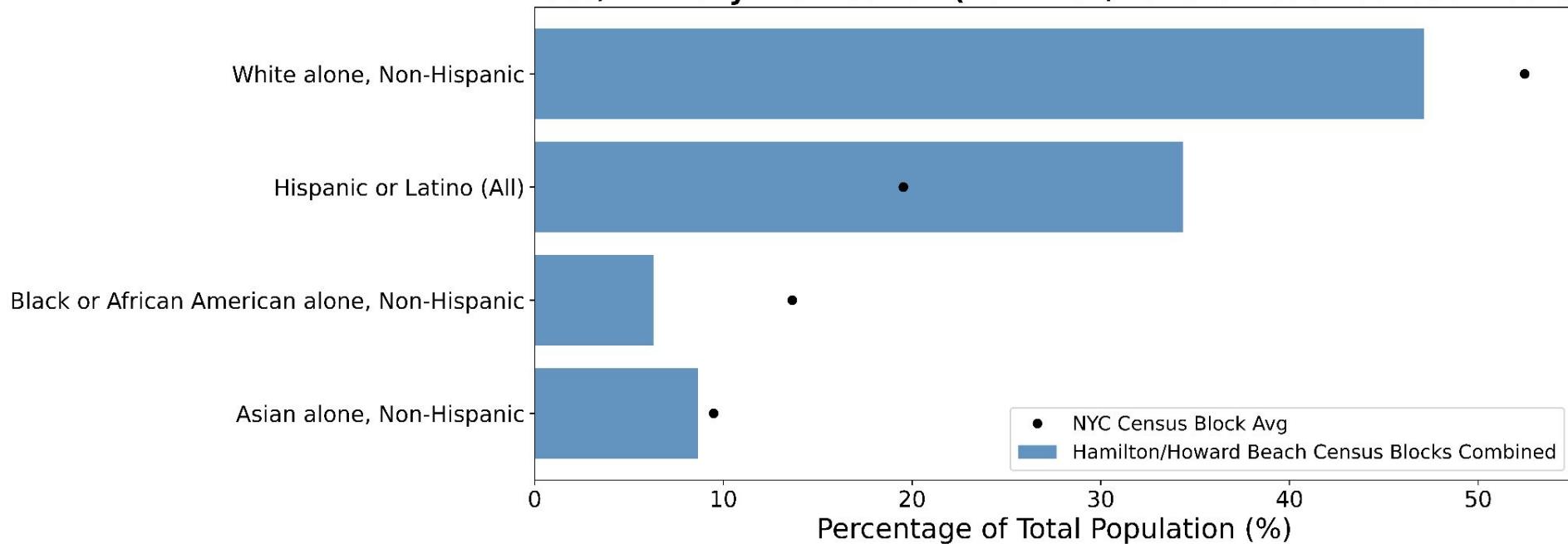
Female



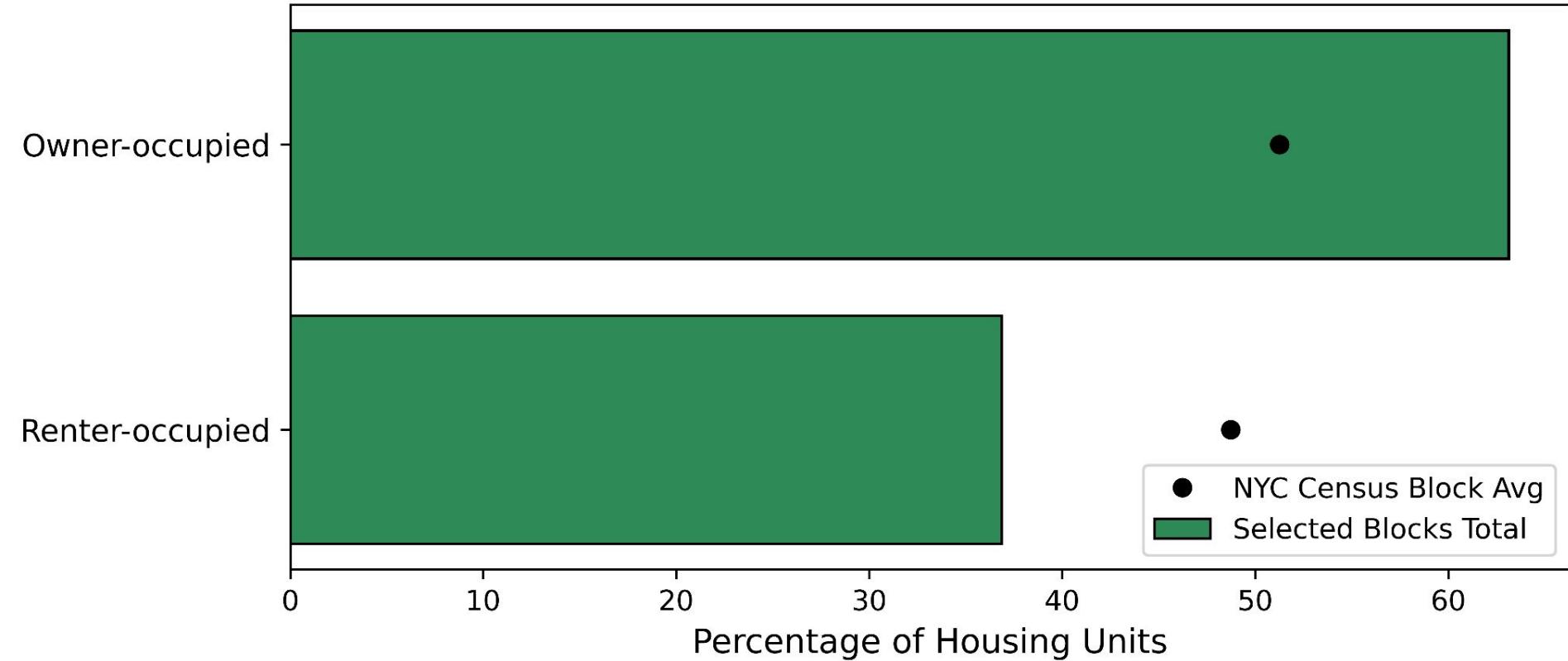
Household Size Distribution (1-5+ persons) Hamilton/Howard Beach Census Blocks



Race/Ethnicity Distribution (Hamilton/Howard Beach Census Blocks)



Housing Tenure Distribution Selected NYC Census Blocks



Housing Occupancy Distribution Hamilton/Howard Beach Census Blocks

