

Civic engagement

<https://data.baltimorecity.gov/Neighborhoods/Neighborhood-Action-Sense-of-Community-2010/pje-efsv>

vs. the education performance of students?

<https://data.baltimorecity.gov/Neighborhoods/Education-and-Youth-2010-2013-/f9ua-ivaj>

Research paper on relationship between these two

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1540-5907.2009.00400.x>



 Full Access

Civic Engagement and Education: An Empirical Test of the Sorting Model

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- "These results are consistent with the argument that education matters for electoral activity because of the greater stake those with more education, and thus greater social network centrality, have in the outcomes of an electoral contest."
- From this model, we can predict that the higher the education performance, the higher the civic engagement. Conversely, the opposite may be true; higher civic engagement may be leading to higher education performance.
- Business Question: How can we improve young adult civic engagement through the education system?
- Data Analysis Question:
 - Does less civic engagement programs in schools lead to less voter registration and voter turnout?
 - Does education performance correlate with voter turnout?
 - Do enrollment rate, absent rate, and dropout rate correlate with voter turnout?

- Data points: Completion rate (HS), dropout rate (HS), enrollment (HS) vs. voter registration, voter turnout

Vs. the economic/financial well being of a neighborhood?

<https://data.baltimorecity.gov/Financial/Real-Property-Taxes/27w9-urtv>

Presence of Parks vs. health (link by geographic area)

<https://data.baltimorecity.gov/Culture-Arts/Parks/3r8a-uawz>

<https://data.baltimorecity.gov/Neighborhoods/Children-and-Family-Health-Well-Being-2010-2014-/rtbq-mnni>

Presence of vacant buildings vs property taxes

<https://data.baltimorecity.gov/Financial/Real-Property-Taxes/27w9-urtv>

<https://data.baltimorecity.gov/Housing-Development/Vacant-Buildings/qgcv-ihn5>

- Use zip code
- Shape files for neighborhoods (MapBox)
 - visualizations/heatmap

Perspective of analysis

- Implications