

Group Name:

1. Education pioneer??
2. HWEF (for Higher Wisconsin Education Performance)
3. DHCIS (initial)
4. Stats "ed" (+/education) econ
5. **Edugression** (education + regression )
6. The ensemble
7. MWGA (Make Wisconsin Greater Again?)

[https://factfinder.census.gov/faces/nav/jsf/pages/community\\_facts.xhtml?src=bkmk](https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml?src=bkmk)

Topic: How does economic status affect education in Wisconsin?

[https://data.bls.gov/cew/apps/table\\_maker/v4/table\\_maker.htm?type=1&year=2017&qtr=A&own=0&ind=10&supp=0](https://data.bls.gov/cew/apps/table_maker/v4/table_maker.htm?type=1&year=2017&qtr=A&own=0&ind=10&supp=0)

Data uploaded on the drive

How pollution affect the lower income area (3)

- a. How pollution status and taxes are related. Does more taxes towards environmental reduces pollution? (Motor vehicle taxes, Motor fuel taxes, motor vehicle operators, insurance premium taxes(not sure if that include motor license insurance))
- b. pollution related (have to pay attention to confounding variable when measuring health)

## 2. Education vs Econ status? (By county?) -- >Focus on Wisconsin

- a. What can be the possible numerical statistical data for education? (SAT Score? # of Public Libraries? ..?, high school dropout rate)
- b. Socioeconomic status -> median wage or poverty level?
- c. Factors predicting how prosperous an area is - labor force participation, change in employment (8)
- d. <https://wisinfo.com/milwaukee/database/2018/wisconsin-act-scores-2017-18/#!/composite.desc.1/>

What is x and y in this analysis

Income vs educational outcome

Casual story, cofounding variable e.g. higher income -> hire private tutor

Why do we need multiple regression analysis?

The income does not correlates with what each household invest in education (ex. No kids)

- e. [https://www.edgap.org/?gclid=Cj0KCQjw9fntBRCGARIsAGjFq5HXIgxwZBXzXrLbnNbLfm6ybTcSJWbC0XFWvpDmHhjsWQvjRSoiYaAr8eEALw\\_wcB#9/43.3072/-89.6045](https://www.edgap.org/?gclid=Cj0KCQjw9fntBRCGARIsAGjFq5HXIgxwZBXzXrLbnNbLfm6ybTcSJWbC0XFWvpDmHhjsWQvjRSoiYaAr8eEALw_wcB#9/43.3072/-89.6045)
3. **Low income area vs other health indicators** -- obesity, diabetes, average life span, birth rate / death rate, .etc
- a. <https://www.countyhealthrankings.org/explore-health-rankings/measures-data-sources/county-health-rankings-model/health-factors/health-behaviors/diet-exercise/limited-access-to-healthy-foods>