School Choice

March 5, 2019

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- Important to keep in mind that in the US we've ALWAYS had some form of school choice.
- Its best to think of school choice as a spectrum:
 - On one end we have a system where school enrollment is dictated nurely by home address
 - On the other end we'd have a full market of school choice options with many options for students
- There are many types of school choice policies and programs
 - Private schools
 - Charter schools
 - Voucher programs
 - Inter-/Intra-district choice
 - Magnet programs
 - Online learning
 - Mome Schooling
 - Others?



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- Another prominent idea is we should let parents make decisions on how to best educate their kids (e.g. maximize household utility).
- More recently people espouse school choice as a mechanism to impose market principles on a public education.
- Early charter proponents thought the model would allow for more experimentation, and best practices would make their way back into the traditional public system.
- And finally, some argue that it's difficult to both integrate schools and neighborhoods, and through school choice mapberwe candomatoac

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 - Demand side (e.g. parents, students, etc.)
 - Access to adequate information about enrollment processes, school quality, choices, and so on
 - Ability to get to the various schools
 - Mobility costs
 - Tuition or other fees
 - Supply side (e.g. schools)
 - Enough \$ to open a school
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- Student fixed-effects
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Student fixed-effects

- Between 2000 to 2010 or so, it was common to see researchers use student fixed-effects to estimate the effect of school choice programs and policies
- Conceptually, the approach removes all time-invariant factors among students from the analysis
- There are a number of important drawbacks:
 - You only identify treatment effects from students who switch among school sectors (e.g. charter to public, or public to charter)
 - I his is often a small share of the sample. Open question as to whether the effect for "movers" and "stayers" are similar
 - Most approaches assume symmetric effects, (e.g. effect is the same for moving from charter to public as moving from public to charter).
 - Unlikely that movements among school sectors are not related to time-varying student-level factors

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- Matching is also a method that ebbs and flows in acceptance among researchers (also varies among fields)
- Ideally one uses baseline student-level data (e.g. data pre-choice) to match students who did attend a school of choice to students who did not.
- There are a number of ways to do this, beyond the scope of this class.
- Method assumes that the reasons students do and do not attend schools of choice are fully captures in observable data.
- For example, one group of students live near charter schools and another do not, and the decision to live in one of these two neighborhoods is at least conditionally random.
- Personally, while the method can be a decent way to evaluate choice policies, I'm often left with the unanswerable question: If two students look otherwise observationally similar, why did one decide to attend a school of choice and the other did not?

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Lottery designs typically have the best internal validity

- Rely on random assignment of students to choice schools from usually a non-random sample.
- As with all methods, these designs have a number of important considerations:
 - These designs while also often estimating an ITT, produce LATEs
 - Often don't help our understanding of the quality of an entire market since schools with lotteries are likely already better than average (e.g why they have a waiting list).
 - Selection into the lottery sample is often not well understood, and treatment effect is sensitive to the definition of the counterfactual (alllites to say context matters).
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- Early evidence that private schools produced better student outcomes, but designs relied on selection on observables
- Charters as a large sector, no better or worse than traditional public schools
- In densely populated urban areas, overs subscribed charter schools produce large effects on students math and reading achievement.
 Effects on long-term outcomes less clear
- Growing voucher evidence is not great for the sector, tends to have null to large negative effects. Many supply side constraints exist, however.
- Online charter sector looks terrible; huge negative effects on students math and reading achievement.
- In general, choice literature is mixed and context dependent.

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