

# Noah Hirschl

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## Education

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**Ph.D.** **Sociology** (Minor: Education Sciences), University of Wisconsin-Madison Aug 2023

IES Predoctoral Fellow, *Interdisciplinary Training Program in Education Sciences*  
Demography Affiliate, *Center for Demography and Ecology*

**M.S.** **Sociology**, University of Wisconsin-Madison Dec 2020

**B.S.** **Development Sociology**, Cornell University May 2014

## Skills

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**Research methods:** Experimental methods, quasi-experiments, demographic methods, survey design, semi-structured interviews, qualitative coding, directed acyclic graphs (DAGs)

**Quantitative methods:** Multi-level models, Bayesian inference, matching methods, survival analysis, difference-in-differences, regression discontinuity, instrumental variables, factor analysis, structural equation modeling, psychometrics, geospatial statistics

**Computer programs:** R, Stata, SAS, Python, ATLAS.TI, Qualtrics, MS Office, Adobe Suite

## Research positions

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**Postdoctoral Research Associate** USDA Food Systems Research Unit Sep 2024-Apr 2025  
*Full time* *USDA ARS (Burlington, VT)*

- Led an interdisciplinary, multi-institutional team to conduct a systematic review on climate change vulnerability of the Northeast.

**Quantitative Researcher** Food Security Innovation Lab Oct 2022-Aug 2024  
*Full time* *Vermont Foodbank (remote)*

- Designed and led mixed-methods research to evaluate four pilot projects addressing root causes of food insecurity. Used geospatial statistics, quasi-experimental methods, and demographic methods to analyze administrative and survey data. Conducted and analyzed 40 semi-structured interviews. Wrote and led original mail- and internet-based survey. Wrote policy briefs and presented findings to stakeholders.

**Research Assistant (various projects)** Department of Sociology & Center for Demography and Ecology Aug 2016-Sep 2022  
*Half time* *University of Wisconsin-Madison (Madison, WI)*

- Analyzed multiple large administrative datasets to identify equity issues in Wisconsin public education. With graduate student co-author, conceived and completed projects examining equity in college access in Wisconsin using multi-level models, regression discontinuity, and difference-in-differences. Published a co-authored report, four journal articles, and orally presented findings to policymaking audiences in state government.
- Analyzed administrative database containing complete records of criminal case processing in Texas using multi-level models. Managed a team of 56 undergraduate research assistants using a bespoke R Shiny online survey tool to link visual perception data to tens of thousands of case files. Co-wrote two articles for academic journals.

- Co-wrote grant applications and successfully gained access to Census Bureau restricted data. Used fuzzy matching techniques to link across multiple databases, used log-linear models to analyze demographic and labor market outcomes.
- Organized, cleaned, and conducted statistical analyses of demographic outcomes using The National Survey of Families and Households.
- Conducted statistical analysis from an original survey of public-school teachers in Wisconsin. Lead-authored a report intended for policymakers and practitioners.

## Journal publications (+ = student/postdoc co-author)

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**Hirschl, Noah**, Christine Schwartz, and Elia Boschetti<sup>+</sup>. 2024. “Eight Decades of Educational Assortative Mating: A Research Note” *Demography* 61(5): 1293–1307.

**Hirschl, Noah** and Christian Michael Smith<sup>+</sup>. 2023. “Advanced Placement Gatekeeping and Racialized Tracking.” *Sociology of Education* 96(3):190-210.

Smith, Christian Michael<sup>+</sup> and **Noah Hirschl**. 2023. “Mixed Signals? Economically (Dis)advantaged Students’ College Attendance under Mandatory College and Career Readiness Assessments.” *Educational Researcher* 52(3):131-143.

Smith, Christian Michael<sup>+</sup> and **Noah Hirschl**. 2022. “College Attendance among Low-Income Youth: Explaining Differences across Wisconsin High Schools.” *CEPS Journal* 12(3), 33-57.

(equal authorship) **Hirschl, Noah** and Christian Michael Smith<sup>+</sup>. 2020. “Well-Placed: The Geography of Opportunity and High School Effects on College Attendance.” *Research in Higher Education*. 61(5), 567-587.

## Other research works

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**Hirschl, Noah** and Eric Grodsky. 2020. “The Condition of Education in Wisconsin.” *WCER Working Paper Series*.

Corral, Daniel, Na Lor, **Noah Hirschl**, and Eric Grodsky. 2020. “Equity and Access in the UW System: A Review of Student Applications.” *WCER Working Paper Series*.

**Hirschl, Noah** and Christian Michael Smith\*. 2018. “College Attendance among Low-Income Youth: Explaining Differences across Wisconsin High Schools.” *WCER Working Paper Series*. \*Authors contributed equally and are listed in alphabetical order.

Eloundou-Enyegue, Parfait M., and **Noah Hirschl**. 2017. "Fertility transitions and schooling dividends in Sub-Saharan Africa: The experience of Vanguard Countries." *Africa's Population: In Search of a Demographic Dividend*: 101-111.

Light, Michael T. and **Noah Hirschl**. “Racial/Ethnic Inequality in Punishment: Comparing Self-Reported Race to Perceived Race.”

**Hirschl, Noah**. “Horizontal Stratification among Graduate and Professional Degrees.” (*Draft available*)

**Hirschl, Noah**. “Labor Market Segregation and the Net-Black Advantage in College Attendance.” (*Draft available*)