RAYMOND CARAHER

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EDUCATION

Current Institution: University of Massachusetts, Amherst, MA
<u>Concentration:</u> Economics (PhD Candidate)

University of Massachusetts, Amherst, MA
Master of Arts, 2021
<u>Concentration:</u> Economics

Hampshire College, Amherst, MA
Bachelor of Arts, 2017
<u>Concentration:</u> Economics, Mathematics, and Political Economy

East Chapel Hill High School, Chapel Hill, NC
High School Degree, 2013

WRITINGS AND PUBLICATIONS

Working Papers

Does Project-Level Foreign Aid Increase Access to Improved Water Sources? Evidence from Household Panel Data in Uganda (with Lynda Pickbourn and Leonce Ndikumana). *PERI Working Paper* (2021). Available at: `https://peri.umass.edu/component/k2/item/1553-does-project-level-foreign-aid-increase-access-to-improved-water-sources-evidence-from-household-panel-data-in-uganda`

Genetic Diversity and Economic Development: Assessing the Key Findings in Ashraf and Galor (2013) (with Michael Ash). *UMass Amherst Department of Economics Working Paper* (2018). Available at: `https://www.umass.edu/economics/publications/2018-05.pdf`

RESEARCH EXPERIENCE

Research Assistant   2019 - present
Political Economy Research Institute (PERI), Amherst, MA
- Estimated unionized post office worker pay premiums in comparison to similar workers using CPS data
- Used time series methods to study long-term trends in fossil fuel emissions and economic growth for primary commodity countries
- Analyzed pay rates of Massachusetts farm workers and estimated costs of increased overtime pay by farm size
- Prepared reports and literature reviews for state-level studies on the Green New Deal and other environmental policies

Research Assistant   2017 - 2018
SageFox Consulting Group, Amherst, MA
- Managed and analyzed large datasets to evaluate NSF, NIH and other grant funded educational programs, especially those focused on promoting underrepresented minority participation in STEM fields
- Composed reports describing results of analysis

Research Assistant   2016 - 2017
Political Economy Project, *Jadaliyya*, Amherst, MA
- Compiled extended bibliography on critical political economy texts, with a focus on the Middle East, as a resource for scholars
- Annotated approximately 100 sources for a manuscript published by *Jadaliyya*

Research Fellow   2016 - 2017
Hampshire Learning Project, Hampshire College, Amherst, MA
- Conducted qualitative and quantitative data analysis utilizing several databases to evaluate the effectiveness of the Hampshire College curriculum
- Presented results to faculty and staff to advise institutional policy

ADDITIONAL EXPERIENCE

Teaching Assistant   2016 - present
University of Massachusetts and Hampshire College, Amherst, MA
- Prepared lessons, gave lectures, and graded student assignments
- Taught material from the following courses: Introduction to Macroeconomics, Introduction to Microeconomics, Economic Development, and Political Economy of the Middle East

Data Science Assistant   2018
VentureWell, Hadley, MA
- Utilized R to manage and clean survey data from the NSF-sponsored I-Corps program
- Facilitated the migration of new and archived data to the Salesforce Cloud CRM

Mathematics Tutor   2015 - 2017
Quantitative Resource Center, School of Natural Sciences, Hampshire College, Amherst, MA
- Provided homework help for students engaged in quantitative work

- Tutored students in introductory and intermediate college-level math, especially in calculus and statistics

SKILLS

Econometrics and Data Analysis
- Experience with a variety of econometric techniques with a specialty in causal methods such as difference-in-differences, instrumental variables, regression discontinuity, and others
- Skilled in gathering, cleaning, and managing data to prepare for analyses

Software and Programming
- Experience with R, Stata, Python, Microsoft Office Suite, LaTeX, Git, and other software

Writing and Communication
- Ability to compose extended essays and reports
- Experience giving presentations on research

GRANTS AND AWARDS

Lester Mazor Honorifc Grant, 2016
Global Migrations Grant, 2016
Community Partners for Social Change Social Justice Scholar Grant, 2016

INTERESTS

Labor Economics; Economics of Race and Gender; International Economics; Economic Development