Brant Walker

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# Background

PRE-DOCTORAL RESEARCH FELLOW July 2022 – Present

Stanford University, Advisor: Professor Frank Wolak

Stanford Institute for Economic Policy Research

Program on Energy and Sustainable Development

FULBRIGHT RESEARCH FELLOW Sep 2021 – June 2022

Universität Mannheim, Advisor: Professor Ulrich Wagner

BSUNIVERSITY OF IOWA, ECONOMICS AND MATHEMATICS

Highest distinction (top 2%) May 2021

University Honors and Honors in the Major of Economics

Minor in Philosophy

Overall GPA: 4.00, Economics GPA: 4.00, Mathematics GPA: 4.00

RESEARCH FELLOW Jun 2020 - May 2021

Iowa Center for Research by Undergraduates (ICRU)

University of Iowa Public Policy Center

Primary Interests: Water Economics, Energy Economics, Environmental Economics

Secondary Interests: Public Economics, Health Economics, Policy Analysis

Programming Skills: R, STATA, LaTeX, QGIS, ArcGIS, Python, Fortran, AMPL

# Honors and Awards

FULBRIGHT RESEARCH GRANT, University of Mannheim Sep 2021 - Jul 2022

PHI BETA KAPPA, University of Iowa Chapter Jan 2020

EXCELLENCE IN RESEARCH, UI Office of the VP of Research Dec 2020

GEORGE S. SCHAEFFER SCHOLARSHIP IN SCIENCE Sep 2020 - May 2021

ICRU TRAVEL GRANT 2020

HONORS PROGRAM TRAVEL GRANT 2020

# Non-Peer Reviewed Publications

1. “Revisiting the Impact of Ignition Interlock Devices”, University of Iowa Public Policy Center, November 2020. [policy brief](https://ppc.uiowa.edu/publications/revisiting-impact-ignition-interlock-devices)

# Works in Progress/Projects Worked On

1. “Designing Nonlinear Price Schedules for Urban Water Utilities to Balance Revenue and Conservation Goals” (Zeyu Wang & Frank Wolak). [link](https://web.stanford.edu/group/fwolak/cgi-bin/sites/default/files/water_paper_wang_and_wolak.pdf)
2. “Determinants of the Willingness to Pay for Electricity in Developing Countries: Evidence from a Household Survey from India” (Zeyu Wang & Frank Wolak). [link](https://web.stanford.edu/group/fwolak/cgi-bin/sites/default/files/energy_service_wang_and_wolak.pdf)
3. “The Co-Pollution Impacts of Climate Policy: Evidence from the EU Emissions Trading Scheme” (Dana Kassem, Laure de Preux, & Ulrich J. Wagner).
4. “Carbon Trading and Mortality: EU ETS Impact on European Health”.
5. “The Impact of Ignition Interlock Laws on DUI Arrests” (with Jeff DeSimone). [thesis](https://iro.uiowa.edu/esploro/outputs/9984110016802771)
6. “Student Status and Local Labor Market Conditions” (with Jeff DeSimone).
7. “Schooling and Sustainability: What does Education tell us about Diversion Rates in Minnesota Counties” (with Jeff DeSimone).
8. “Social Cost of Accepting Handouts: Cost Benefit Analysis of the Hawkeye Meal Share Plan” (with Nicolas Grandstaff).

# Relevant Coursework

**Mathematics:** Optimization Techniques (A+, Iowa, graduate level), Foundatations of Analysis (A+, Iowa, graduate level), Elementary Numerical Analysis (A, Iowa), Fundamental Properties of Spaces & Functions (A, Iowa, i.e. Real Analysis I), Calculus I,II,III (A+, A-, B, Iowa), Introduction to Linear Algebra (A, Iowa)

**Economics/Statistics:** Econometric Analysis (A+, Iowa, graduate level), Game Theory (A, Iowa, graduate level), Labor Economics (A+, Iowa, graduate level), The Engineering Economics of Electricity Markets (A, Stanford), Energy Markets and Policy (current, Stanford), Environmental & Natural Resource Economics (A+, Iowa), Intermediate Micro/Macroeconomics (A, A, Iowa), Probability and Statistics (A+, Iowa), Applied Linear Regression (A+, Iowa)**,** Statistics for Strategy Problems (A-, Iowa).

**Programming:** Foundatations of GIS (A+, Iowa), Statistical Methods and Computing (A+, Iowa), Computer Science I: Fundamentals (A, Iowa), Geospatial Programming (audit, Iowa),

# Presentations

2020: WEAI Conference, University of Iowa, MEA Conference (cancelled)

2021: MEA Conference, University of Iowa

2022 : Universität Mannheim

# References

Dr. Frank Wolak, Professor

Director, Program on Energy and Sustainable Development

Department of Economics

Stanford University

wolak@zia.stanford.edu

Dr. Jeff DeSimone, Professor of Practice

Director, Duke Economic Analytics Lab of Economics

Department of Economics

Duke University

jeffrey.desimone@duke.edu

Dr. Ulrich Wagner, Professor

Chair in Quantitative Economics

Department of Economics

Universität Mannheim

wagner@vwl.uni-mannheim.de

# Personal

Non-academic interests: Chess, Ice Hockey, Long-distance running, Cycling, Soccer (football), Hiking, Reading fiction

Languages: English (native), German (intermediate)

Hometown: Newhall, Iowa