

## Erin Litzow

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PhD candidate studying environmental, development, and energy economics, with 9+ years of experience in data collection, research design, and economic analysis. Research focus on human-environment interactions with emphasis on the health costs of environmental change and adoption and impacts of averting environmental health technologies. Experience working in large teams with collaborators from diverse backgrounds and disciplines.

### **Skills**

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Software: Stata | Microsoft Office | LaTeX | R | QGIS | ArcGIS | ODK | Python

Research Methods: causal inference | field experiments | survey design | spatial analysis

Language: English (native) | Swahili (intermediate) | Spanish (intermediate)

### **Work Experience**

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**Graduate Assistant & Researcher | *University of British Columbia*      Sept. 2018 – Present**  
**Weekly Hours Worked - 40**

- Linked national, student-level test score data to school and industrial facility location to estimate the effect of lead emitting industrial activity on learning using spatial difference-in-differences
- Descriptive analysis of panel, phone survey data to characterize female labor market outcomes during the COVID-19 pandemic | Published: *World Bank Economic Review*
- Oversaw household surveys and analyzed data from a lab-in-the-field game to measure intra-household female bargaining power and the impact of improved cookstove adoption on women's time use
- Supported implementation of a firm-level survey to experimentally measure the role of kinship taxation as a constraint to micro-enterprise growth
- Designed and secured grant funding for an experimental evaluation of demand for electric cooking technologies and effect of different pricing regimes on appliance use
- Taught topics and designed course curricula in economics and policy analysis

**Research Technician | *University of North Carolina*      June 2021 - June 2022**  
**Weekly Hours Worked - 10**

- Harmonized survey and administrative data to build a global database of healthcare facility electrification status; descriptive analysis of data for World Health Organization publication

**Research Associate | *Duke University*      June 2017 - June 2018**  
**Weekly Hours Worked - 40**

- Evaluated the impact of electricity grid extension on environmental, economic, and social outcomes using matching methods; conducted a cost benefit analysis of the grid extension project | Published: *World Development*

- Reviewed literature on environmental health in low- and middle-income countries, nesting topics in a household production framework | Published: *Handbook of Environmental Economics*

**Energy & Economics Fellow | World Health Organization**

**May – August 2015**

**Weekly Hours Worked - 40**

- Designed harmonized survey questions on household energy use to be included in national living standards, health, and energy surveys

**Graduate Assistant | Duke University**

**January 2016 – May 2017**

**Weekly Hours Worked - 10**

- Systematically reviewed peer-reviewed literature on energy transitions in the global South; analyzed findings on electrification | Published: *Renewable and Sustainable Energy Reviews*
- Designed and fielded a household survey, including sampling design, to measure household energy and forest resources use; mentored undergraduate team members
- Quantitative and qualitative analysis of well-level oil and gas data to characterize industry structure and revenue sharing | Published: *Energy Research & Social Science*
- Taught topics in environmental politics as a teaching assistant

**Research Associate / Innovations for Poverty Action**

**March 2013 - July 2015**

**Weekly Hours Worked - 40**

- In-country research associate for a large-scale randomized trial of an education financing intervention
- Supported incentive design process, prepared student tests in collaboration with local experts, supported intervention planning and implementation
- Wrote survey instruments, conducted qualitative research, oversaw pilot exercises, trained surveyors, designed data quality control systems, cleaned data, analyzed data
- Prepared project reports and policy memos, planned stakeholder engagement events

## **Education**

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**PhD, Food & Resource Economics (ISLFS)**

*University of British Columbia*

expected May 2024

Dissertation: “Three Essays in Environmental and Development Economics”

**Masters of Environmental Management (MEM), Environmental Economics & Policy**

*Duke University*

2017

**Bachelors of Science in Foreign Service, International Political Economy**

*Georgetown University*

2011