

# Nina Brooks

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## Academic Appointments

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Assistant Professor, Department of Public Policy, University of Connecticut August 2021 -  
Postdoctoral Associate, Institute for Social Research & Data Innovation, University of Minnesota 2020-2021

## Education

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**Ph.D. Environment and Resources, Stanford University** 2020  
[Emmett Interdisciplinary Program in Environment and Resources](#) (E-IPER)  
Dissertation: *Global Health and the Environment: Studies on air pollution and reproductive health policies*  
Fields: Development Economics, Environmental Health  
Committee: Stephen Luby, Grant Miller, Eran Bendavid, Marshall Burke

**M.A. Economics, Stanford University** 2019

**Masters of Public Policy, Sanford School of Public Policy, Duke University** 2014

**B.A. International Political Economy, University of California, Berkeley** 2009

## Publications

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Lee, J. \*, **Brooks, N.**, Tajwar, S. \*, Burke, M., Ermon, S., Lobell, D.B., Biswas, D., & Luby, S.P. (2021). "Scalable deep learning to identify brick kilns and aid regulatory capacity." *Proceedings of the National Academy of Sciences*. 118(17):e2018863118.

Media coverage: [BBC Digital Planet](#), [Dhaka Tribune](#)

**Brooks, N.**, Bendavid, E. & Miller, G. (2019). "United States Aid Policy and Induced Abortion in Sub-Saharan Africa: an Analysis of the Mexico City Policy." *Lancet Global Health*. 7:e1046–53.

Media coverage: [NPR](#), [The Guardian](#), [The New Republic](#), [Gizmodo](#), [The World](#)

Op-ed: [The unintended consequences of US global abortion policy](#), [CNN](#)

Pattanayak, S.K., Jeuland, M.A., Lewis, J.J., Usmani, F., **Brooks, N.**, Bhojvaid, V., Kar, A., Morrison, L., Patange, O., Philippone, L., Ramanathan, N., Rehman, I.H., Thadani, R., Vora, M., Ramanathan, V. (2019). "Experimental evidence on promotion of improved electric and biomass cookstoves." *Proceedings of the National Academy of Sciences*. 116(27):13282-13287.

Hino, M., Benami, E. & **Brooks, N.** (October 2018). "Machine learning for environmental monitoring." *Nature Sustainability*. 1:583-588.

**Brooks, N.**, Bhojvaid, V., Jeuland, M.A., Lewis, J.J., Patange, O. & Pattanayak, S.K. (2016). "How much do clean cookstoves reduce biomass fuel use? Evidence from North India." *Resource and Energy Economics*. 43(February 2016): 153-171.

Lewis, J.J., Bhojvaid, V. **Brooks, N.**, I. Das, MA Jeuland, O. Patange & SK Pattanayak (2015). "Piloting improved cookstoves in India." *Journal of Health Communication*. 20: 28-42.

## Under Review and In Preparation

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**Brooks, N.**, Biswas, D., Rahman, R., Yu, A., Saha, S., & Luby, S.P. (2020). "Health and environmental effects of brick manufacturing in Mirzapur, Bangladesh." *Under Review*.

**Brooks, N.** & Zohar, T. (2020). "Out of Labor and into the Labor Force? The Role of Abortion Access, Social Stigma, and Financial Constraints." *In preparation*.

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\*Student advisee

## Research Grants

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Transforming Brick Manufacturing in Bangladesh to Promote Clean Air and Better Health (with Steve Luby, Grant Miller, Debashish Biswas, Sameer Maithel, and Sonal Kumar)	
JPAL/King Climate Action Initiative (\$75,000)	2021
Stanford Impact Labs (\$500,000)	2020-2022
Out of Labor and into the Labor Force? The Role of Abortion Access, Social Stigma, and Financial Constraints (with Tom Zohar)	
Freeman Spogli Institute Large Research Grant (\$4,740)	2019
Graduate Research Opportunity Grant (\$5,700)	2018
Shultz Fellowship (\$21,000)	2018, 2019
Health effects of brick manufacturing in Mirzapur (with Steve Luby and co-authors)	
E-IPER/McGee Levorsen Summer Research Grant (\$19,000)	2016, 2017, 2018, 2019
Sean N. Parker Center for Allergy and Asthma Research (\$160,000)	2016
Optimizing windows to improve ventilation in Dhaka slums (with Steve Luby and co-authors)	
Unorthodox Philanthropy (\$500,000)	2016

## Fellowships and Awards

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King Center for Global Development Graduate Student Fellowship, Stanford University	2020-2021
Certificate of Achievement in Mentoring in the Stanford School of Earth, Energy & Environmental Sciences	2020
Outstanding Teaching Assistant Award, Stanford Economics Department	2019
Stanford Earth Dean's Fellow, Stanford University	2018-2020
David and Lucile Packard Foundation Fellow (SGF), Stanford University	2015-2018
University Scholars Fellowship, Duke University	2012-2014
Phi Beta Kappa, UC Berkeley	2009
Robert C. Byrd Scholarship, UC Berkeley	2005-2009

## Conferences & Presentations

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<i>How Does Seasonal Food Insecurity Impact Fertility?</i> Population Association of America Annual Conference	2021
<i>Health and environmental effects of brick manufacturing in Mirzapur, Bangladesh</i> The Fifth Annual (Virtual) Meeting of the Sustainable Energy Transitions Initiative	2020
<i>Health and environmental effects of brick manufacturing in Mirzapur, Bangladesh</i> Association of Environmental and Resource Economists Annual Conference <sup>†</sup>	2020
<i>Out of Labor and Into the Labor Market: An Evaluation of Israeli Abortion Subsidies</i> Population Association of America Annual Conference <sup>†</sup>	2020
<i>Out of Labor and Into the Labor Market: An Evaluation of Israeli Abortion Subsidies</i> (invited talk) Willows Seminar Series, Harvard T.H. Chan School of Public Health	2020
<i>Health and environmental effects of brick manufacturing in Mirzapur, Bangladesh</i> (poster) Stanford Center for Innovation in Global Health Research Convening	2020
<i>Health and environmental effects of brick manufacturing in Mirzapur, Bangladesh</i> Sustainability and Development Conference, University of Michigan	2019

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<sup>†</sup> Canceled due to COVID-19

<i>An Analysis of the Mexico City Policy</i> (invited talk) Global Gag Rule Research for Advocates, Open Society Foundations	2019
<i>Abortion access, fertility, and female labor market participation in Israel</i> Institute for Religion, Economics and Society, Chapman University	2019
<i>Health and environmental effects of brick manufacturing in Mirzapur, Bangladesh</i> (poster) Planetary Health Alliance Conference, Stanford University	2019
<i>An Analysis of the Mexico City Policy</i> (poster) Stanford Center for Innovation in Global Health Research Convening	2018
<i>Do Clean Cookstoves Reduce Biomass Fuel Use</i> Triangle Area Cookstove Symposium, RTI International, Durham, NC	2014

## Teaching

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TA, Economics of Health in the Developing World Professor Grant Miller, Stanford University	Spring 2019
TA, Intro to Resource, Energy and Environmental Economics Professor Charles Kolstad, Stanford University	Fall 2016
TA, Quantitative Evaluation Methods Professor Manoj Mohanan, Duke University	Spring 2014
TA, Statistics and Data Analysis for Policymakers Professor Billy Pizer, Duke University	Fall 2013

## Professional Activities and Service

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Affiliate, [Duke Energy Access Project](#)

Referee: *Nature Energy*, *Journal of Development Economics*, *Energy for Sustainable Development*, *Journal of Health Communication*

Memberships: Population Association of America, American Economics Association, Association for Public Policy Analysis & Management

## Professional Experience

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<b>NORC at the University of Chicago</b> Senior Research Analyst, International Programs	Bethesda, MD 2014-2015
<b>Global Footprint Network</b> Manager, External Affairs	Oakland, CA 2009-2012

## Additional Information

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Languages: Spanish (Intermediate)

Software: Stata, R, Python, ArcGIS, QGIS, &  $\text{\LaTeX}$

Field Research Experience: Bangladesh, India, Tanzania, Philippines

Last updated: June 2021