

Hosam Ibrahim

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Education

University of Minnesota

Ph.D., Applied Economics, 2021- (*expected*) 2026.

Fields: Labor, Development, Impact Evaluation, and Policy Analysis

Dissertation: Essays in the Economics of Education Reforms, Fertility Dynamics, and Agricultural Productivity

Job Market Paper

Input Competition vs. Pollution: The Effect of Mining on Agriculture in Africa

Abstract: I study how nearby mining affects agriculture through labor-market and environmental channels using two complementary designs: (i) a 2×2 TWFE DiD around the 2012 opening of a large Tanzanian gold mine, and (ii) a staggered event study pooling repeated cross-sections from Ethiopia, Tanzania, and Uganda by distance to mines. Across both designs, farms within 15 km reduce family labor and planted area, hired labor does not rise, and output falls only because inputs contract; yields do not decline and labor productivity increases. Event-time estimates show persistent post-opening drops in family labor beginning about two years after opening, with little change farther away. Soil and rooting indicators show no short-run deterioration near mines. Taken together, the evidence points to labor-market competition rather than pollution, as the dominant short- to medium-run mechanism, concentrated closer to mines.

Teaching

Instructor, Graduate PA 5503 Economics of Development, Fall 2024

Humphrey School of Public Affairs, University of Minnesota

Awards

Co-Investigator: Abdul Latif Jameel Poverty Action Lab (J-PAL)

Learning for All Initiative (LAI): \$398,091

Co-Investigator: Abdul Latif Jameel Poverty Action Lab (J-PAL)

Egypt Impact Lab (EIL): \$15,000

Single Investigator:

Institute for Humane Studies (IHS) publication accelerator grant: \$6,000

Minnesota Population Center travel grant: \$2,500

Department of Applied Economics travel grant: \$2,000

Center for International Food and Agriculture Policy travel grant: \$2,000

International Union for the Scientific Study of Population (IUSSP) travel grant: \$1,000

Publications

Food Policies and Obesity in Low and Middle Income Countries.

World Development. With Kibrom Abay and Clemens Breisinger. 2021.

Nutritional Training in a Humanitarian Context: Evidence from a Cluster-Randomized Trial. **Maternal and Child Nutrition.** With Sikandra Kurdi and Jose Luis Figueroa. 2020.

Research in progress

The best buy? Prospective evidence on successful remediation in Morocco's public primary schools. With Paul Glewwe, Sarah Deschênes, and Andreas de Barros. OSF Pre-registration

Mining and rural electrification: analysis from Tanzania using geospatial analysis and difference-in-difference event study design. With Valerie Mueller, Raahil Madhok, and Sayahnika Basu.

Working papers, policy reports, and policy briefs

Ibrahim, Hosam. 2024. *The Tradeoff between Child Quantity and Child Quality: Testing Becker's Q-Q Model and Long-Term Effects on Women Using Data from Egypt.* ERF Working Paper, 1711. URL

Gadallah, May; Said, Moheb; and Ibrahim, Hosam. 2022. *The Impact of Covid-19 on the Jordanian Households and Firms: Findings from the ERF Covid-19 Monitor in Jordan.* ERF Policy Research Report, 39. URL

Abay, Kibrom A.; Ibrahim, Hosam; and Breisinger, Clemens. 2020. *Food Policies and Obesity in Low and Middle Income Countries.* IFPRI Working Paper, 28. DOI

Abay, Kibrom A.; and Ibrahim, Hosam. 2020. *Winners and Losers from COVID-19: Evidence from Google Search Data for Egypt.* IFPRI Policy Note, 8. DOI

Kurdi, Sikandra; Ghorpade, Yashodhan; and Ibrahim, Hosam. 2019. *The Cash for Nutrition Intervention in Yemen: Impact Evaluation Study.* IFPRI Working Paper, 19. DOI

Kurdi, Sikandra; Breisinger, Clemens; Ibrahim, Hosam; Ghorpade, Yashodhan; and Al-Ahmadi, Afrah. 2019. *Responding to Conflict: Does "Cash Plus" Work for Preventing Malnutrition?: New Evidence from an Impact Evaluation of Yemen's Cash for Nutrition Program.* IFPRI Policy Brief. DOI

Invited presentations

Arndt-Corden Department of Economics seminar series, **Crawford School of Public Policy at the Australian National University.** Presenting the paper "Extracting trade-offs: The spatial and temporal impacts of mining on agriculture and farm labor". 12 Aug 2025 - Canberra, Australia.

Department of Economics, **Deakin University.** Presenting the paper "The best buy? Prospective evidence on successful remediation in Morocco's public primary schools". 13 Aug 2025 - Melbourne, Australia.

Department of Agricultural and Resource Economics, **University of Western Australia.** Presenting the paper "Extracting trade-offs: The spatial and temporal impacts of mining on agriculture and farm labor". 15 Aug 2025 - Perth, Australia.

Conferences

2025: North East Universities Development Consortium (**NEUDC**) Conference, Nov 2025 - Boston, USA. International Population Conference (**IPC**), Jul 2025 - Brisbane, Australia. Annual Conference of the Australasian Development Economics Association (**ADEA**), Feb 2025 - Brisbane, Australia.

2024: Population Association of America (**PAA**) annual conference, Apr 2024 – Ohio, USA. Economic Research Forum (**ERF**) Annual Conference, Apr 2024 - Rabat, Morocco.

2019: IFPRI Research Day, Nov 2019 – Washington, DC, USA. Economic Research Forum (ERF) Annual Conference, Mar 2019 – Kuwait City, Kuwait. Research and Creativity Convention at the American University in Cairo, Apr 2019 – Cairo, Egypt.

Affiliations

<i>Aug 2022 – present</i>	Abdul Latif Jameel Poverty Action Lab (J-PAL), USA and Morocco Co-Investigator
<i>Aug 2023 – present</i>	Centre for Development Economics and Sustainability, Monash University, Australia Research Associate
<i>Jan 2021 – present</i>	Minnesota Population Center (MPC), USA Graduate Researcher and Graduate Student Member
<i>Aug 2025 – present</i>	Graduate Applications International Network (GAIN), USA Serving as a mentor for African scholars pursuing a PhD degree
<i>Mar 2019 – present</i>	Economic Research Forum (ERF), Egypt Fellow

References

Prof. Paul Glewwe
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