

# Jeffrey Dickinson

– Fairfax, VA

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## Education

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### Graduate Institute of International and Development Studies

*PhD in Development Economics*

*Supervisors: Jean-Louis Arcand and Nicolas Berman*

**Geneva**

*2014–Spring 2020 (exp)*

### Graduate Institute of International and Development Studies

*Master's in International Economics*

*Supervisors: Jean-Louis Arcand and Nicolas Berman*

**Geneva**

*2012–2014*

### Emory University

*Bachelor's in Economics*

**Atlanta**

*2010–2012*

## Job Market Paper

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**Title:** *Constraints to Tanzanian Agricultural Development: Input Use and Marketable Surplus in Households Under Non-Separability*

This paper builds on the literature testing for labor market completeness in developing countries. If households are profit maximizing, and factors of production are abundant, household production decisions should depend exclusively on a vector of input prices and plot characteristics. If markets are not complete, households rely heavily on family labor in production activities. Empirical tests using a panel data survey from Tanzania reject labor market completeness. The rejections are all robust to the inclusion of heterogeneous household effects, and village-specific shocks. I incorporate high-resolution annual population estimates inferred from satellite data from the LandScan database, and find that in areas with higher population density, less family labor is used and more hired labor is used; higher population density is also associated with higher levels of organic fertilizer use, and lower levels of marketable surplus per household. The findings in this paper mirror the findings of other recent work which also reject labor market completeness in a variety of different areas of Indonesia. Child labor use is also examined using within-sample predictions from the yearly empirical models of labor supply. Child labor use is suspected to be heavily under-reported.

## Other Work in Development

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**Title:** *Working Capital Constraints, Technological Adoption, and Gender Differences in Tanzanian Agricultural Households*

Tanzanian households which are headed by women are commonly created as the result of a divorce, or the death of a male head. These women-headed households face substantial economic constraints, not only in agriculture (access to adult male labor, agricultural land, credit), but women-headed households have fewer livestock, lower levels of capital and income for their non-farm enterprises, and women sell fewer labor hours on the market than their male counterparts. Over several waves of household surveys spanning the years 2007-2015, large differences in capital accumulation are observed between median male and median female-headed households. I analyze the development of these trends over the waves of the survey. For robustness, I leverage a "pre-baseline dataset", the

2007-2008 Tanzanian Agricultural Census, to construct a set of instrumental variables which are correlated with technological adoption but not output in the first wave of the LSMS data.

## Experience

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### Teaching.....

**The Graduate Institute** **Geneva**  
*Graduate Macroeconomics* **2017-2018**  
Teaching Assistant for Professor Cedric Tille; taught half of the lectures including many technical aspects of the course

*Intro Micro and Macro for Public Policy Students* **2016-2017**  
Teaching Assistant for Professors Ugo Panizza and Damien Neven; taught half of the lectures and contributed heavily to problem sets, practice problems, and developing the exams

### Vocational.....

**World Bank** **Geneva**  
*Consultant, Trade and Competitiveness Group* **2016**  
Produced analysis of agricultural households in Ethiopia and their potential for sensitivity to trade shocks. This work also incorporated gender analysis, giving particular attention to female-headed households.

**International Monetary Fund** **Geneva**  
*Project Officer* **2015-2016**  
Conducting analysis on Uganda bank loans using nighttime lights data and highly disaggregated population loan data from the Bank of Uganda.

**International Food Policy Research Institute** **DC**  
*Intern, Consultant* **2014-2015**  
Developing SMS-based survey instrument for use in Tanzania. Identifying strategy to use remote sensing data to update urban maps of sub-Saharan Africa. Developing follow-up SMS-based survey instrument for use in Tanzania. Processing and basic data analysis of the survey results.

**World Vision International** **Geneva**  
*Intern and Policy Analyst* **2013**  
Prepared policy briefs and also competitive analysis on aid transparency. Helped to develop a transparency policy for World Vision International, one of the largest international NGO's.

### Miscellaneous.....

**Various** **Seoul**  
*Commentator, e-Sports Analyst* **2005-2011**  
Presenter and play-by-play commentator for many e-Sports tournaments including the World Cyber Games, considered the "olympics" of video games. Also hosted online broadcasts for video-game marketing events in locations around the world including places such as Italy, Germany, and China. Presenter/Emcee for large gaming-related promotional events.

## Languages

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**English 1:** Native

**French 2:** Intermediate

## Computer skills

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**Programming/Languages:** Python, Latex

**Software:** R, STATA, ArcGIS, QGIS

## References

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**Jean-Louis Arcand** *Professor and Chair, Economics Department,*

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**Nicolas Berman** *Professor of Economics,*

The Graduate Institute/University de Aix Marseille: nicolas.berman@graduateinstitute.ch ; +33 413552527