

**University of Minnesota - Twin Cities**

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**Curriculum Vitae**  
**Fall 2021**
**JOAO RODRIGUES****Personal Data***Address*

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*Citizenship:* United States/Brazil

**Major Fields of Concentration**

Quantitative Macroeconomics, Development

**Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Economics	University of Minnesota (expected)	2022
MA	Applied Economics	University of Minnesota	2012
BA	Economics and Mathematics	Saint John's University	2008

**Dissertation**

Title: "Missing Land Markets, Redistribution, Insurance and Efficiency"

Dissertation Advisor: Professor Ellen McGrattan

Expected Completion: Summer 2022

**References**

Professor Ellen McGrattan	(612) 625-6714 erm@umn.edu	Department of Economics University of Minnesota 4-101 Hanson Hall 1925 Fourth Street South Minneapolis, MN 55455
Dr. Todd Schoellman	todd.schoellman@gmail.com	Research Department Federal Reserve Bank of Minneapolis 90 Hennepin Avenue Minneapolis, MN 55401
Dr. Alisdair McKay	(612) 204-5439 alisdair.mckay@gmail.com	

## Honors and Awards

- 2016 - 2018     *Distinguished Teaching Assistant*, Department of Economics, University of Minnesota, Minneapolis, Minnesota
- 2014 & 2015     *Outstanding Research Support Award*, International Food Policy Research Institute, Washington, DC
- 2008             *Departmental Honors in Economics*, Saint John's University, Collegeville, Minnesota

## Teaching Experience

- 2016 - 2018     *Teaching Assistant*, Department of Economics, University of Minnesota, Minneapolis, Minnesota. Led recitation sections for *Principles of Microeconomics*.
- 2014 - 2016     *Lecturer*, International Food Policy Research Institute, Washington, DC. Taught courses on applied general equilibrium modeling with IFPRI data. University of Addis Ababa, Addis Ababa, Ethiopia, 2015; University of Accra, Accra, Ghana, 2014, 2015; IFPRI, Washington, DC, 2015; Food and Agriculture Organization of the United Nations, Rome, Italy, 2015.
- 2012 -2013     *Visiting Professor of Economics*, Augustana University, Sioux Falls, South Dakota. Taught *Principles of Macroeconomics*, *Statistics for Economics and Business*, and *Econometrics*.

## Research Experience

- 2018 - present   *Research Analyst*, Research Department, Federal Reserve Bank of Minneapolis, Minneapolis, Minnesota. Assisted Dr. Alisdair McKay.
- 2015 - 2016     *Research Analyst*, International Food Policy Research Institute, Washington, DC
- 2013 - 2015     *Senior Research Assistant*, International Food Policy Research Institute, Washington, DC

## Papers

- Rodrigues, Joao, "Missing Land Markets, Redistribution, Insurance and Efficiency," job market paper
- Rodrigues, Joao, "The Economic Value of Seasonal Forecasts: Stochastic Economy-Wide Analysis for East Africa," presented at the IFPRI Brown Bag Seminar, July, 2015, Washington, DC; Global Trade Analysis Project Annual Conference, June, 2015, Melbourne, Australia; Mozambique Joint IFPRI-Michigan State University Workshop, December, 2014, Maputo, Mozambique.
- Rodrigues, Joao, "Diminishing Returns to Second Stage Certification: Evidence from Tigray," World Bank Annual Land Conference, March, 2014, Washington, DC. Poster presentation
- Schuenemann, Franziska, James Thurlow, Stefan Meyer, and Richard Robertson, and Joao Rodrigues, "Evaluating Irrigation Investments In Malawi: Economy-Wide Impacts Under Uncertainty and Labor Constraints"
- Rodrigues, Joao, "An Empirical Investigation of Regional Inequality in Brazil from 1954 to 2005," Honors Program Conference, March, 2008. University of Wisconsin, Stout, Menomonie, WI.

## Computer Skills

Julia, Python, Matlab, Stata, R, GAMS

## Languages

English (fluent), Portuguese (native), Spanish (fluent)

## **Abstract**

“Missing Land Markets, Redistribution, Insurance and Efficiency,” job market paper

When agricultural land is allocated to fulfill an insurance and redistribution objective, what are the implications of policies geared towards allocating land through markets? In this paper, I answer this question by building a model to study the efficiency, insurance and redistribution properties of communal land systems in developing countries. Under these systems, local leaders allocate land on a need basis and restrict private transfers. Restrictions on private transfers ensure the availability of land from households leaving for better opportunities. However, these restrictions have efficiency costs by preventing productive farmers from scaling up production. This suggests a trade off. where efficiency costs are linked to fulfilling a redistribution and insurance objective through communal land. This paper is the first to evaluate this trade off. I do this by introducing a farm sector, occupation choice and access to land through communal land into a standard model of incomplete insurance. I match the model to the Malawi economy whose micro data allow me to pin down key parameters associated with land access. The calibrated model implies that if communal land was efficiently reallocated through private markets, it would lead to an increase in welfare of 15%. The higher welfare however comes from a 20% gain through efficiency and a 5% loss through insurance and inequality.