

# Jeffrey Dickinson

✉ dickinso@american.edu

📄 <https://sites.google.com/site/jdickinson/home>

## Education

---

<b>Graduate Institute of International and Development Studies</b> <i>PhD in Development Economics</i> <i>Supervisors: Jean-Louis Arcand and Nicolas Berman</i>	<b>Geneva</b> 2014–2020
<b>Graduate Institute of International and Development Studies</b> <i>Master's in International Economics</i>	<b>Geneva</b> 2012–2014
<b>Emory University</b> <i>Bachelor's in Economics</i>	<b>Atlanta</b> 2010–2012

## Work in Progress

---

**Title:** *Gender and Barriers to Market Access*

This paper addresses the effects of gender-based price differentials in agricultural output and livestock markets in Tanzania. Using transaction data from four waves of the Tanzania Living Standards Measurement Survey I detect that an increase of 1 percent in the price a household headed by a man would receive in village crop markets corresponds to .26 percent increase in the price a woman-headed household would receive for sales of similar crops. These results hold when examining price discrepancies in individual crops and livestock. The results suggest women have internalized these price disparities which is reflected in the women's own valuations of their crops.

## In Submission

---

**Title:** *Planes, Trains, and Automobiles: What Drives Human-Made Light?*

This paper expands on our understanding of the lights-income relationship by linking the newest generation of nighttime satellite images to nationwide panel-data on population and income for both Brazil and the United States covering the years 2012-2018. The newest images captured by the Visible Infrared Imaging Radiometry Suite (VIIRS) offer a pixel resolution 45 times higher than the previous generation of nighttime lights. Light is less responsive to changes in GDP in the USA than in Brazil. Consistent with the literature I find evidence of nonlinearities in the form of decreasing marginal effects of GDP on nighttime light. I use regressions by centile of nighttime light to outline the effects of GDP and population on nighttime light across the entire distribution of light. Finally, I use a between-county estimator to identify the effects of time-invariant infrastructure features on night-time light. I find that roads, rail, ports, airports and border crossings contribute positively to nighttime light.

## Conferences

---

North American Regional Science Council Annual Conference, November 2020  
*Planes, Trains, and Automobiles: What Drives Human-Made Light?*

## Experience

---

<b>American University</b> <i>Undergraduate Development Economics</i> Adjunct Professor	<b>Wash., DC</b> Fall 2021
<b>American University</b> <i>Principles of Macroeconomics</i> Adjunct Professor	<b>Wash., DC</b> Summer 2021
<b>American University</b> <i>Undergraduate Development Economics</i> Adjunct Professor	<b>Wash., DC</b> Spring 2021

## Professional.....

<b>World Bank</b> <i>Consultant, Development Data Group</i> Producing research paper on comparative analysis of plot size measurement techniques	<b>Rome</b> 2021
<b>World Bank</b> <i>Consultant, Finance, Competitiveness, and Innovation</i> Analyzing Firm-level data from Kenya measuring the effects of COVID-19 related interventions.	<b>DC</b> 2020–2021
<b>International Monetary Fund (PT; 20hrs/wk)</b> <i>Project Officer</i> Conducting analysis on Uganda bank loans using nighttime lights data and highly disaggregated population loan data from the Bank of Uganda.	<b>Geneva</b> 2015–2016

## Languages

---

**English:** Native

**French:** Intermediate, B2 Certificate

**Spanish:** Intermediate

## Computer skills

---

**Programming Languages, and Software:** Python, Latex, R, STATA, ArcGIS

## References

---

**Jean-Louis Arcand** *Professor of Economics,*  
Graduate Institute of International and Development Studies  
jean-louis.arcand@graduateinstitute.ch

**Walter Park** *Dean of Graduate Admissions,*  
American University  
wgp@american.edu

**Nicolas Berman** *Professor of Economics,*  
University de Aix Marseille  
nicolas.berman@graduateinstitute.ch