

JONATHAN HERSH

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CURRENT POSITION

Assistant Professor, Chapman University, Argyros School of Business, August 2017

EDUCATION

Ph.D., Economics, Boston University, Boston MA, May 2017 (expected)
Dissertation Title: *Applications of econometrics and machine learning in development and international economics*
Main advisor: Marianne Baxter
Fields: Development, International, IO, Applied Econometrics, Data Science
M.S., Management and Applied Economics, University of Pennsylvania Wharton School of Business, Philadelphia, PA, 2011
B.A., Economics, University of Chicago, Chicago, IL, 2005

WORK EXPERIENCE

Consultant, World Bank Group, Poverty Global Practice, 2014-2016
Managing Research Director, University of Chicago Center for Population Economics, 2011-2012
Research Professional, University of Chicago Booth School of Business, 2008-2009
Economist, RCF Economic and Financial Consulting, 2006-2008
Systems Analyst and Developer, McMaster-Carr Supply Company, 2005-2006

TEACHING EXPERIENCE

Visiting Lecturer, MIT, Fall 2016, Department of Political Science, Course: Quantitative Research Methods III (PhD Quantitative Methods Course)
Visiting Lecturer, Wellesley College, Spring 2016, Courses: Principles of Microeconomics, Economic Development
Statistical Learning Methods for the Modern Poverty Economist, World Bank Training
Teaching Fellow, Microeconomic Theory, Department of Economics, Boston University, 2013-2014
Teaching Assistant, Probabilistic and Statistical Decision-Making for Management, Questrom School of Business, Boston University, 2013

FELLOWSHIPS AND AWARDS

Hariri Institute for Computational Science Graduate Fellowship (2016)
Big Data Innovation Challenge Award, World Bank Group (2014)
Teaching Fellowship, Boston University (2013-2014)

JOB MARKET PAPER

“Poverty from Space: Using High Resolution Satellite Imagery for Estimating Economic Well-being” (with Ryan Engstrom and David Newhouse), September 2016.

PUBLICATIONS/SUBMITTED PAPERS

- “Building a Better Model: Variable Selection to Predict Poverty in Pakistan and Sri Lanka”,
(with Marium Afzal and David Newhouse) *World Bank Research Working Paper*, (2015)
- "Historical Health Conditions in Major US Cities: The HUE Data Set" (with Brian
Bettenhausen, Eric Hanss, and Carlos Villarreal) *Historical Methods*, (2014) 47: 67-80.

WORKING PAPERS

- “Unintended Consequences of the African Growth and Opportunity Act: The Role of Trade
Diversion and Structural Change,” (with Klaus-Peter Hellwig), September 2015.
- “Robust Determinants of Trade Flows,” (with Marianne Baxter), May 2015.
- “Sweet Diversity: Overseas Trade and Gains from Variety after 1492,” (with Hans-Joachim
Voth), 2011.

WORK IN PROGRESS

- “Firm Entry and Export Performance when Firm Credit is Constrained; Evidence from
Ethiopia and the African Growth and Opportunity Act”

CONFERENCES AND PRESENTATIONS

- Computational and Financial Economics CFE, Seville, Spain (2016)
Annual Bank Conference on Development Economics, World Bank (2016)
CSAE: Economic Development in Africa, Oxford University (2016)
Eastern Economic Association (2016)
Firms in International Trade, Kiel Institute (2015)

LANGUAGES

English (Native), Spanish (Conversant)

COMPUTER SKILLS: R, STATA, MATLAB, C++, PYTHON, SQL, ARCGIS, MACHINE LEARNING,
PARALLEL COMPUTING

CITIZENSHIP/VISA: US Citizen

REFERENCES

Prof. Marianne Baxter
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Prof. Sam Bazzi
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**(Teaching) Prof. F. Daniel
Hidalgo**
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MIT
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**(Teaching) Prof. Kristen
Butcher**
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