

ANDREW HOBBS

andrew.w.hobbs@gmail.com

EDUCATION

- Ph.D., Agricultural and Resource Economics**, *University of California, Davis* 2015-2019 (Expected)
M.A. Economics, *University of British Columbia* 2010
Honors B.S. Economics, B.A. International Studies, *University of Utah* 2009

EMPLOYMENT

Graduate Researcher, *University of California, Davis* 2016-Present

- Manage project in the Dominican project working with 5000 farmers to assess the impact of an index insurance product coupled with loans.
- Developed an insurance game designed both to educate farmers on how index insurance works and to elicit their risk preferences to improve contract design. By solving the game for a range of preference sets in MATLAB and matching farmer responses to simulated strategies with maximum likelihood, I aim to develop a better understanding of farmer preferences to design more appealing insurance contracts.

Analyst, *Climate Policy Initiative* 2010-Present

- Led Climate Policy Initiative's (CPI) work program on agriculture and forest protection in Mozambique, working closely with Barclays Africa on agricultural credit initiatives, value chain analyses, and land tenure issues.
- Managed projects analyzing the impact of solar leasing in California, building codes in the U.S., land use policy in Mozambique, and oil refinery emissions in the European Union.
- Conceptualized, designed, and coded the California Carbon Dashboard, an interactive website that informs stakeholders about California's carbon price and related policies.
- Supported research on concentrating solar power in South Africa and building energy efficiency in China, Germany, and the United States.

Graduate Research/ Teaching Assistant, *University of British Columbia* 2009 - 2010

- Developed novel statistical methodology for groundbreaking research on the determinants of equity share splits among founders of startups.
- Taught introductory and development economics courses for classes of 20 and 120 students throughout the year.

Research Assistant, *University of Utah Department of Pediatrics* 2007 - 2009

- Managed data collection and developed and maintained a database for a study focused on identifying the healthcare needs of Spanish-speaking families of children with special healthcare needs such as severe ADHD, neurological problems, physical disabilities, and chronic illnesses.

Senior Project Supervisor, *Amigos de las Américas, Chontales, Nicaragua* 2008

- Worked with PLAN Nicaragua to develop a program focusing on environmental stewardship, health promotion, and youth leadership.
- Trained and supported a team of six supervisors and 56 volunteers in 23 Nicaraguan communities.

SKILLS

- Economic modeling, econometric analysis, statistical methods, GIS analysis, and financial modeling.
- Full professional proficiency in Spanish; proficient in Portuguese.
- Programming and data analysis in R, python, MATLAB, D3.js, Stata, ArcGIS, QGIS, GRASS, and GDAL.

PUBLICATIONS

"Challenges and Opportunities for Efficient Land Use in Mozambique: Taxes, Financing, and Infrastructure" (2016). *Climate Policy Initiative*. with Amanda de Albuquerque

"The California Carbon Dashboard." (2013). *Climate Policy Initiative*. Interactive Website.

"Improving Solar Policy: Lessons from the solar leasing boom in California." (2013). *Climate Policy Initiative*. with Elinor Benami, Brendan Pierpont, and Uday Varadarajan.

"Building Energy Efficiency in China, Germany, and the United States." (2012). *Climate Policy Initiative*. with Hermann Amecke, Aleksandra Novikova, Yang Xiu, and Shengyuan Zhang.

"Clearing the Air: Carbon Pricing and Local Air Pollution in California." (2012). *Climate Policy Initiative*. with Kath Rowley.

"Codes to Cleaner Buildings: Effectiveness of U.S. Building Energy Codes." (2011). *Climate Policy Initiative*. with Jeff Deason.

"Measuring the effect of bi-directional migration remittances on poverty and inequality in Nicaragua." (2012). *Applied Economics*, Volume 44, Issue 19.

"The Potential for Success and Capacity Building of a Citrus Grove in Barekuma." (2009). *University of Utah Undergraduate Research Abstracts*, Vol. 9: 141, with Sabrina King, Joseph Marchese, and Meredith Martineau.

PRESENTATIONS

"Lessons for South Africa from the solar leasing boom in California." Presentation at Solar Indaba, September 4, 2013, Cape Town, South Africa.

"Financial Incentives for Energy Efficient Retrofits in Buildings." Presentation at the 2012 ACEEE Buildings Summer Study, August 12, 2012.

"Remittances, Poverty, & Inequality in Nicaragua." Presentation, *University of Utah Undergraduate Research Symposium*, Salt Lake City, UT, USA, March 31, 2009.

"Does Having a Child with Special Health Care Needs Affect Social Capital in Spanish-Speaking Parents?" Poster Presentation, *Pediatric Academic Societies National Meeting*, Baltimore, MD, USA, May 5, 2009, with Wendy L. Hobson, Amy E. Donaldson, Chris Valenti, and Karen F. Buchi.