

## Nathan V. Fiala

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### Education

Ph.D. Economics, University of California, Irvine, 2009  
*Fields: Development, Conflict, Political Economy and Environmental Economics*

M.A. Mathematical and Behavioral Sciences, University of California, Irvine, 2006

B.S. Economics, Arizona State University, 2003

### Relevant Professional Experience

*Consultant* July 2007 to Present  
World Bank Washington, DC  
Leading field work in the randomized evaluation of a World Bank funded peace and reconciliation grant program for improving youth entrepreneurial skills in northern Uganda. Working with evaluation team to design and pretest the survey instrument, randomized selection of participants, organizing enumerators and the full survey process with the Ugandan Bureau of Statistics, data cleaning, documentation and analysis, background literature review and writing of final report.

In addition, lead the design and pretesting of protocols and directed training and field work for additional evaluation components: ran experimental games with group members to observe group cooperation and conducted experiments to determine enterprise returns, business knowledge and best measures of profit and time use.

*Consultant* July 2009 to Present  
CarbonfreeDC Washington, DC  
Assisting a local NGO in a randomized evaluation of a program to improve the energy efficiency of low income family's homes. Helping in the design of the program and evaluation, identification and selection of participants and follow-up with families.

*Consultant* June 2009  
AVSI Northern Uganda  
Conducted a census of micro businesses in northern Uganda for a local NGO in order to assist in the design and implementation of a small grant program. Designed questionnaires, lead field work, conducted analysis of the data and prepared a final report, available at [www.nathanfiala.com/reports.html](http://www.nathanfiala.com/reports.html).

*Consultant* July 2007 to December 2007  
Survey of War Affected Youth Northern Uganda  
Led the preparation of field work and participating in the design of a randomized evaluation of an NGO funded grant program for extremely poor women living in IDP camps in Northern Uganda. Responsible for the design and pretesting of the survey instrument and coordinating with the NGO partner on program and evaluation implementation.

*Teaching Assistant*

Economics Department

Led discussion sections for economics and MBA classes, including Political Economy, Microeconomics, Game Theory, Business Decisions and Business and Government. Duties include teaching up to three sections with a total of 40-80 students, grading papers and tests and proctoring exams.

January 2005 to June 2007

University of California, Irvine

*Consultant*

First American Corporation

Designed a template for a land tenure system in developing countries for the Clinton Global Initiative project for the largest real estate information provider in the U.S. Project included designing a registration system and specific procedural requirements to facilitate participation of lenders and risk underwriters in developing countries.

February 2007 to March 2007

Irvine, CA

*Consultant*

Ecobank

Researched the potential for expanding a lending program to include microfinance to small business and farms. Worked with entire bank to explore possible extensions to their current program and interviewed local businesses about their needs for expansion.

June 2005 to September 2005

Ghana

### **Peer Reviewed Publications**

“Measuring Sustainability: Why the Ecological Footprint is Bad Economics and Bad Environmental Science”. *Ecological Economics*, 2008, 67(4), 519-525.

“Meeting the Demand: An Estimation of Potential Future Greenhouse Gas Emissions from Meat Production”. *Ecological Economics*, 2008, 67(3), 412-419.

### **Popular Publications**

“The Businesses of the Rural Poor: Market Survey Report for Gulu and Kitgum Districts”. Report for AVSI on markets in northern Uganda.

“Measuring Sustainable Energy: Getting the Numbers Right”. Forthcoming in *Sustainable Energy*.

“The Greenhouse Hamburger: How Our Diet Matters More Than Our Cars”. *Scientific American Magazine*, February 2009.

### **Working Papers**

“The Consequences of Forced Displacement in Northern Uganda”.

“Economic Crises and Income Inequality”.

“Rainfall Shocks and Economic Growth”.

### **Selected Projects**

Impact evaluation of the Northern Uganda Social Action Fund.

Measuring and evaluating profits in micro-enterprises in Uganda.

The effect of group dynamics and cooperation on business success.

Risk attitudes and business outcomes.

### **Conference Presentations**

“The Value of Peace: An Estimate of the Welfare Effect of Military Spending” Center for Global Peace and Conflict Studies Graduate Student Panel, December 14, 2007.

“Economic and Environment Impact of Meat Consumption”. The Fourth Annual Graduate Student Conference on Social Choice and Behavioral Sciences, May 26, 2006.

“The Dangers to Democracy in the Third World”. Democracy and Its Development, organized by the Center for the Study of Democracy, University of California, Irvine, February 26, 2005.

Graduate Student Conference, Department of Economics, UC Irvine (2006, 2007, 2008).

### **Invited Presentations**

Climate Change and Managing the Impact on Developing Countries, Young Professionals in Foreign Policy, February 18, 2009.

The Environmental Impact of Our Diet, Carbon Free DC, April 29, 2009.

### **Professional Affiliations**

Referee for *Review of Economic Studies*, *Ecological Economics*, *Journal of Environmental Management and Agriculture*, *Ecosystems and Environment*

Affiliate of the Households in Conflict Network.

Member of American Economic Association and Association of Environmental and Resource Economists

### **Skills**

English (native); French (intermediate); Spanish (basic)

Extensive experience in applied econometric modeling and analysis. Very familiar with econometric and statistical packages, including STATA, Eviews, SPSS and MATLAB.