

# Nicholas Potter

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potterzot.github.io

## EXPERIENCE

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DEC 2012 – PRESENT

### Research Associate

CENTER FOR SUSTAINING AGRICULTURE AND NATURAL RESOURCES, WSU, Pullman, WA

- Design and develop web tools facilitate research and analysis of pesticide residues, food quality, and agricultural productivity
- Program R packages for the analysis and visualization of climate change data
- Assist in writing and editing research articles for journal publication
- Manage two research assistants and oversee project budgeting

JULY 2011 – MAY 2013

### Research Analyst

NATIONAL BUREAU OF ECONOMIC RESEARCH, Cambridge, MA

- Wrote and edited SAS and Stata programs to process raw data into analytical measures and perform statistical analysis using OLS, instrumental variables, and probit/logit models
- Contributed to journal articles and reports as part of a small team to examine neighborhood impacts on low income families
- Programmed specialized Stata routines to calculate Bekker-adjusted robust standard errors

AUG 2010 – JAN 2011

### Life Skills Program Manager/Volunteer

PEACE CORPS AND PLAN NIGER, Niger

- Designed a 3-year program to teach life skills (HIV/AIDS, gender issues, decision-making, and communication) sessions to 25,000 youth in Niger
- Produced a 65-page training manual for use in training community workers that was adopted as the basis for project trainings in Senegal and Sierra Leone
- Conducted a week-long training of 15 community workers and assisted with several project planning workshops for PLAN staff and local NGOs

DEC 2008 – JULY 2010

### Small Business/Community Development Volunteer

PEACE CORPS, Guinea and Niger

- Wrote a proposal and obtained funding to train 5 community youth as peer educators and conducted six day-long youth seminars with topics such as gender roles and stereotypes, basic health, and the importance of education and future planning
- Formed a business club with elementary students to learn basic business skills and start small summer projects to generate income to pay for books and fees
- Created a university student business club that met twice weekly to learn how to develop a business plan and launch a business (with topics such as accounting, financial planning, and marketing)

MAR 2007 – JULY 2008

### Research Economist II

BUREAU OF BUSINESS AND ECONOMIC RESEARCH – UNM, Albuquerque, NM

- Led a variety of research projects, including evaluating the economic impact of New Mexico's public retirement program, and the impact of UNM

- Integrated SAS, Access, and ArcGIS data sets by developing scripts to automate interactions between tools and presented the work at the Annual Data User's Conference
- Managed a secure encrypted database of QCEW data, anonymizing data before distributing it to researchers

JAN 2006 – MAR 2007

### **Research Economist I**

BUREAU OF BUSINESS AND ECONOMIC RESEARCH – UNM, Albuquerque, NM

- Used SAS, IMPLAN, and ArcGIS to assist in the analysis of projects such as the effects of Santa Fe's living wage and the economic role of New Mexico's national forests
- Created a consistent database from ten years of messy, text-based Quarterly Census of Employment and Wages data

JUNE 2004 – MAY 2005

### **System Administer**

UNIVERSITY OF MASSACHUSETTS – AMHERST, Amherst, MA

- Managed a computer lab that integrated Red Hat Linux, Windows, and OSX, creating weekly-backups and providing support to students and faculty
- Updated the department's Php-based web site

JUNE 2002 – JUNE 2004

### **Associate Economist/Consultant**

REGIONAL ECONOMIC MODELS INC., Amherst, MA

- Travelled throughout the United States, giving numerous seminars and training clients in the use of REMI's Policy Insight input-output tool
- Presented REMI products to potential clients in England, and Germany (leading to one of REMI's first international sales) and trained clients in The Netherlands
- Estimated the economic impacts of policy shocks using REMI Policy Insight and Excel models

## EDUCATION

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MAY 2005

### **Master of Science in Applied Mathematics**

University of Massachusetts – Amherst  
Amherst, MA

MAY 2002

### **Bachelor of Arts in Economics**

Hampshire College  
Amherst, MA

## COMPUTER SKILLS

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Intermediate: D3JS, Javascript, CSS, L<sup>A</sup>T<sub>E</sub>X

Advanced: R, Stata, Python, Linux (Arch is the current distro of choice)

## LANGUAGES

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French, Zarma, Spanish

## WRITTEN WORK

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- The Long-Term Effects of Moving to Opportunity on Adult Health and Economic Self-Sufficiency. 2012. Cityscape, 14:2, 109-136.
- Job and Earnings Trends of Licensed Nurses in New Mexico from 1996 to 2006. Report. Bureau of Business and Economic Research, University of New Mexico, 2008.

- The Economic Contribution of the University of New Mexico. Report. Bureau of Business and Economic Research, University of New Mexico, 2008.
- Impacts of the \$8.50 Living Wage in Santa Fe, NM. Report. Bureau of Business and Economic Research, University of New Mexico. 2007.
- Economic Leakages in the Town of Taos. Presentation. Bureau of Business and Economic Research, University of New Mexico. 2007.
- The Effects of Child Care Subsidies on the Earnings and Employment of New Mexico Parents. Report. Bureau of Business and Economic Research, University of New Mexico. 2007.
- Modeling Nonlinear Hyperbolic Partial Differential Equations. Working Paper. University of Massachusetts - Amherst, 2005.
- Probability Density of an Elastically Bound Particle. Working Paper. University of Massachusetts - Amherst, 2005.

## INTERESTS AND ACTIVITIES

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Open Science and Open Source Software  
Machine Learning  
Bayesian Statistics and Predictive Analytics  
Intellectual Property Rights  
Data Visualization  
Decision Making