Nicholas Potter

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EXPERIENCE

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

 $\mathrm{DEC}\ 2008-\mathrm{July}\ 2010$

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

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

Intermediate: D3JS, Javascript, CSS, LATEX

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

LANGUAGES

French, Zarma, Spanish

WRITTEN WORK

- 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

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