

# Samuel V. Brown

DATA SCIENTIST · ECONOMIST

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## Profile

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Data scientist with a strong economics background and experience in big data, machine learning, and statistics.

## Work Experience

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### The World Bank Health, Nutrition, and Population Global Practice Group

Washington, DC

DATA SCIENTIST

Oct 2014–Sep 2015

Designed and implemented statistical models to measure the quality of health and education services throughout Africa, as part of the Service Delivery Indicators (SDI) Initiative.

### NYU Center for Experimental Social Science

New York, NY

WEB DEVELOPER

Sep 2012–Jun 2014

Performed full-stack LAMP development for large-scale web-based experiments in consumer choice.

### Brown University

Providence, RI

DATA ANALYST

May 2010–Jun 2012

Compiled, organized, and transformed complex ARIS/REDS panel data to perform descriptive statistics, regression analysis, and visualization. Analyzed the micro characteristics of rural Indian households and their interactions at multiple levels.

### The MITRE Corporation

Beford, MA

DIGITAL/MICROELECTRONIC HARDWARE ENGINEER

Sep 2006–Jul 2008

Performed digital signal processing, data analysis, hardware design, and embedded software development. Assisted in the planning and execution of international GPS field-testing events.

## Technical Skills

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**Machine Learning** Regression, Nonlinear Estimation, Genetic Algorithms

**Statistical Methods** Structural Equation Modeling, Regression Models, Time Series, Factor Analysis

**Programming** Python (NumPy, pandas), PHP, MySQL, MATLAB, C/C++, R, STATA, HTML, LaTeX

## Education

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### Brown University

Providence, RI

MASTER OF ARTS IN ECONOMICS, PHD CANDIDATE

Sep 2010–May 2017

Fields: Applied Microeconomics, Microeconomic Theory, Economics of Health and Population

### Purdue University

West Lafayette, IN

MASTER OF SCIENCE IN AGRICULTURAL ECONOMICS

Sep 2008–Aug 2010

### Worcester Polytechnic Institute

Worcester, MA

BACHELOR OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING, WITH HIGH DISTINCTION

Sep 2003–Jul 2006

## Honors

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2013 **Trainee Fellowship**, National Institute of Child Health and Human Development

2010 **Outstanding Master's Thesis Award**, Purdue University