

Education**Stanford University**

2008 **Master of Science**, Statistics

2007 **Bachelor of Arts and Sciences with Honors (double major)**, Mathematical and Computational Sciences and Political Science (with Honors)

Coursework: Master and PhD level classes covering knowledge and application of statistical methodology i.e. p-values, confidence intervals, logistic/linear regression, basic general linear models, survival analysis, applied multivariate analysis, statistical consulting, data-mining

Publications: *Civil War and Economic Growth. (with James Fearon) @ 2005* Presented at American Political Science Association Annual Meetings, August 31-September 3, 2005, Washington D.C. Structures and Evolution of Institutions Conference, November 4-6, 2005, Stanford University.

Experience**Academic Positions**

10/2002– 11/2002 Research Assistant, Department of Psychology, Center for Infant Studies. Helped with recruiting participating families, running experiments with infants and children, data coding.

4/2005– 6/2005 Research Assistant, Department of Political Science. Helped with data coding/analysis.

1/2008– 6/2008 Statistical Research Assistant, Department of Economics. Analyzed data/coded/programmed using R, C, and MATLAB. Utilized R libraries such as lars, MASS, elasticnet, Design, and gplots. Modified library functions or wrote own functions to perform certain statistical procedures (i.e. lasso, lars, oscar, or elastic-net for automated variable selection through cross-validated standard error, AIC, BIC, Mallows' CP statistic), graphical analysis to compare variable shrinkage/selection methods, read peer-reviewed academic literature in biostatistics and statistics and suggested statistical methods

Teaching

10/2002– 11/2002 Team-taught and wrote lesson plans for third-grade science class in East Palo Alto, CA

9/2003– 6/2004 Peer-Academic Advisor. Guided freshman in academics, research, and meeting faculty.

6/2009– 10/2009 Private SAT Tutor. Assign/grade practice-exams, teach/drill concepts. (My SAT Score 1600/1600)

Applied Positions/Fieldwork

9/2004– 12/2004 Internship, World Bank (Stanford in Washington Program). Office of Chief Economist in Regional Vice-President's office, speechwriting, regression, exploratory, graphical data analysis

7/2005– 9/2005 Visiting Researcher in overseas fieldwork. Archival research, interviews w/ gov. officials, lawyers, professors, businessmen, politicians, statistical linear/ridge regression analyses.

Leadership and Volunteer Work

4/2007– 3/2008 Volunteer at Bread of Life and St. Anthony's Soup Kitchen. Help sort/cut food, serve the needy.

6/2009– (present) Volunteer at Somerford place, a residential facility for patients with Alzheimers' disease. Help lead games (i.e. Bingo, poker, jigsaw), cooking, serving snacks, talk/read to patients.

Grants, Fellowships, Awards, and Prizes

Undergraduate Research Fellowship, Stanford University

Chappell-Lougee Fellowship, Stanford University

National Merit Finalist, National Merit Corporation

National Achievement Scholarship, National Merit Corporation

Winner of Stanford CS 106A contest on algorithmic creativity/complexity

Other Information

Computer Languages: R, Matlab, SAS, SPSS, STATA, C++, C, Excel, Powerpoint, MySql, PHP, Unix/Linux

Languages: Second-Year Spanish.