

Richard Fowles

Department of Economics
University of Utah
Salt Lake City, Utah 84102
(801) 581-7481
May, 2011

EDUCATION

Ph.D. Economics, University of Utah, August 1985
B.S. Philosophy, University of Utah, December 1980

ACADEMIC SPECIALIZATION

Applied Bayesian Econometrics, Public Economics

EXPERIENCE

Chair, University of Utah Master of Statistics Program, July 2010 to present.

Associate Professor, Department of Economics, University of Utah, Salt Lake City, Utah.
Assistant Professor, academic years 1990 to 1996. (On leave, academic year 1991).

Visiting Associate Professor, Gore School of Business, Westminster College, Salt Lake City, Utah, academic year 1991.

Assistant Professor, Gore School of Business, Westminster College, Salt Lake City, Utah, academic years 1989-1990.

Visiting Assistant Professor, Department of Economics, University of Utah, Salt Lake City, Utah, academic years 1987 to 1990.

Assistant Professor, Department of Economics, Rutgers University, Newark, New Jersey, academic years 1985 to 1987.

Consultant, National Bureau of Economic Research, New York City, New York, 1986 to 1989.

I. RESEARCH

RESEARCH PUBLICATIONS

Understanding the Cell Phone Effect on Motor Vehicle Fatalities: A Bayesian View (with Gail Blattenberger and Peter Loeb). Forthcoming: *Applied Economics*.

Bayesian Models to Predict the Return to Prison. With Gail Blattenberger and John Krantz. *Proceedings of the Joint Statistical Meetings: Section on Bayesian Statistical Science*, 2010, 5216-5229.

The Cell Phone Effect on Motor Vehicle Fatality Rates: A Bayesian and Classical Econometric Evaluation. With Peter D. Loeb and Wm. A. Clarke. *Transportation Research, Part E*, (46), 2010, 1140-1147.

Bayesian Model Selection: Examples Relating to Motor Vehicle Fatalities. With Gail Blattenberger and Peter D. Loeb. *Proceedings of the Joint Statistical Meetings: Section on Bayesian Statistical Science*, 2009, 974-987.

Forecasting the Probability of Failure of Thailand's Financial Companies in the Asian Financial Crisis. With Stephan Reynolds, et. al., *Economic Development and Cultural Change*, 51, October, 2002.

Economic Outcomes and Mental Health. With Mary Merva. *Back to Shared Prosperity*, M.E. Sharpe, 2000.

Handcuffing the Cops: A Thirty Year Perspective on *Miranda's* Effects. With Paul G. Cassell. *Stanford Law Review*, 50(4), April 1998.

Falling Clearance Rates After *Miranda*: Coincidence or Consequence? With Paul G. Cassell. *Stanford Law Review*, 50 (4), April 1998.

Wage Inequality and Criminal Activity: An Extreme Bounds Analysis for the United States -- 1975-1990. With Mary Merva. *Criminology*, 34(2), May, 1996, 163-182.

Effects of Policy Related Variables on Traffic Fatalities -- An Extreme Bounds Analysis Using Time Series Data. With Peter D. Loeb. *Southern Economic Journal*, v62(2), October, 1995, 359-366.

Road Closure to Mitigate Avalanche Danger: The Case of Little Cottonwood Canyon. With Gail Blattenberger. *International Journal of Forecasting*, 11, 1995, 159-174.

Road Closure: Combining Data and Expert Opinion. With Gail Blattenberger. *Case Studies in Bayesian Statistics*, Springer-Verlag, 1995.

Effects of Diminished Economic Opportunities on Social Stress: Heart Attacks, Strokes, and Crime. With Mary Merva. *EPI Reports*, Economic Policy Institute: Washington, DC, June 1993.

The Interactive Effect of Alcohol and Altitude on Traffic Fatalities. With Peter D. Loeb, *Southern Economic Journal*, v59(1), July 1992, 108-112.

Is there Statistical Evidence for the Blood Lead-Blood Pressure Relationship? With Douglas Coate. *Journal of Health Economics*, v8, September 1989, 173-184. (This article was the featured article for editorial by Lester B. Lave, "Lead as a Public Health Problem: Is it Overestimated?", same issue, 247-250.)

Speeding, Coordination, and the 55 MPH Speed Limit: Comment. With Peter Loeb. *The American Economic Review*, v79(4), September 1989, 916-921.

Micro Extreme Bounds Analysis. *The American Statistician*, v42(4), November 1988, 274. Reviewed by Tsunemasa Shiba, *Journal of Applied Econometrics*, v7(1), July 1992, 101-103. Also in S. James Press, *Bayesian Statistics*, Wiley, 1989.

RESEARCH GRANTS – Currently Under Review

Modeling Human-Climate Interactions: A Physics-Based Approach. National Science Foundation, Co PI with Timothy Garrett, \$684,170.00. Status Pending.

RESEARCH PUBLICATIONS -- Other

“Steroid Profiling Among National Football League Players,” With Dylan Paulen, Doug Rollins, John Valiante, and Jonathan P. Danaceau. Proceedings of the Cologne Workshop on Dope Analysis, forthcoming.

“Workplace and Community Transition for Incarcerated Youth Offenders.” Utah State Office of Education and the United States Department of Education, Office of Vocational and Adult Education, January, 2010.

“The Utah Census of Parolees: Return to Prison after 36 Months.” Utah State Office of Education, May, 2009.

“Examining the Determinants of the Return to Prison Utilizing the Utah Census of Parolees.” Utah State Office of Education, February, 2007.

“The Utah Census of Parolees.” Utah State Office Education, December, 2006.

The Cost of Crime, A Cost/Benefit Tool for Analyzing Utah Criminal Justice Program Effectiveness. With Edward Byrnes and Audrey Hickert. The Utah Commission on Criminal and Juvenile Justice, November, 2005.

Findings of an Independent Panel on Allegations of Statistical Evidence for Fraud During the 2004 Venezuelan Presidential Recall Referendum. With Henry Brady, Aviel Rubin, Jonathan Taylor, and Nicholas Beauchamp. In *Observing the Venezuela Presidential Recall Referendum*, The Carter Center, February, 2005.

The Costs and Benefits of Programs Designed to Reduce Recidivism, Utah Commission on Criminal and Juvenile Justice, August, 2003.

Economic Effects of In-Prison Education, Utah State Office of Education, November, 2000.

Project Horizons: A Statistical & Economic Analysis. With John Watkins & Matt Christensen. Utah State Office of Education, January, 1997.

Project Horizons: A Statistical Analysis. With Matt Christensen. Utah State Office of Education, December, 1995.

The Road Closure Decision in Little Cottonwood Canyon. With Gail Blattenberger. *International Snow Science Workshop: Papers & Proceedings*. 1995.

Bayesian Inference. In *Magill's Survey of Social Science: Economics*, Pasadena: Salem Press,

1991.

Transfers. In *Magill's Survey of Social Science: Economics*, Pasadena: Salem Press, 1991.

UNPUBLISHED RESEARCH -- Working Papers

Logit Estimation Under Asymmetric Loss: A Case of Avalanche Forecasting. With Gail Blattenberger. Proposal submitted to National Science Foundation, Decision, Risk, and Management Science Program, 1993.

Fragile Inferences: Effects of Poverty, Income Inequality, and Unemployment on Criminal Activity. With Mary Merva.

Measuring Bayesian Prior-Posterior Agreement Using Kullback Liebler Divergence. With David Kiefer.

Measurement Error and the Associations of Diastolic Blood Pressure with Coronary Heart Disease. With Douglas Coate.

PRESENTATIONS

“Predicting the Return to Prison.” With Gail Blattenberger and John Krantz. American Statistical Association, Vancouver, August, 2010.

“FDI Flow Volatility and ASEAN Members: An Exploratory Approach.” With James Gander and Stephen Reynolds, ACAES/AEA Meetings, Atlanta, 2010.

“Steroid Profiling Among National Football League Players,” With Dylan Paulen, Doug Rollins, John Valiante, and Jonathan P. Danaceau. Proceedings of the Cologne Workshop on Dope Analysis, Cologne, 2010.

“Bayesian and Classical Econometric Analyzes of Trucking Accidents.” With Peter Loeb and Wm. Clarke, Eastern Economics Association, Philadelphia, August, 2009.

“Model Choice.” With Gail Blattenberger and Peter Loeb. American Statistical Association, Washington, DC, August 2009.

“The Effects of Cell Phones on Motor Vehicle Fatality Rates: A Classical and Bayesian Perspective.” With Peter Loeb. The Business and Economics Society International, Honolulu, HI, August, 2009.

“The Cell Phone Effect on Motor Vehicle Fatality Rates.” With Peter Loeb. Eastern Economics Association, New York, NY, March, 2009.

“Understanding the Cell Phone Effect on Motor Vehicle Fatalities Using Classical & Bayesian Methods.” With Gail Blattenberger and Peter Loeb. American Economic Association Meetings, San Francisco, CA, January, 2009.

“The Determinants of Motor Vehicle Fatalities Using Classical Specification Testing and Bayesian Stochastic Search Variable Selection Methods.” With Peter Loeb. , American Economic Association Meetings, New Orleans, LA, January, 2008.

Costs and Benefits of Programs Designed to Reduce Recidivism, The Utah State Legislature, September, 2004.

The Economics of Prison Education, The Utah State Legislature, Annual Report, January 2000 to present.

Explicit and Implicit Costs of Crime, Utah Department of Corrections, Recidivism Reduction Advisory Panel, Draper, Utah, November, 1999.

Costs of Crime in Utah, The Utah State Legislature, December 1999.

Recidivism & Education. Western Social Science Association, Albuquerque, NM, 1997.

Time Series Analysis of Traffic Fatalities. With Peter Loeb. The Southern Economic Association, Orlando, FL, November 1994.

The Road Closure Decision in Little Cottonwood Canyon. With Gail Blattenberger. International Snow Science Workshop, Snowbird, UT, November 1994.

Road Closure: Combining Data & Expert Judgment with Seasonal Varying Weights. With Gail Blattenberger. 14th Annual Symposium on Forecasting, Stockholm, June 1994.

Road Closure Decisions: Combining Data and Expert Opinion. With Gail Blattenberger. Bayesian Statistics in Science and Technology: Case Studies, Carnegie-Mellon University, Pittsburgh, PA, October 1993.

Diminished Economic Opportunity and Social Stress. With Mary Merva. Hinckley Institute of Politics, University of Utah, December 1992.

Decision Making Under Asymmetric Loss. With Gail Blattenberger. NBER-NSF Seminar on Bayesian Econometrics and Statistics, Duke University, Durham, NC, November 1992.

Resolution of Mortgage Foreclosures. With James Vanderhoff. The Southern Economic Association, Washington, DC, November 1992.

Exploratory Data Analysis Using SAS Insight. Westminster College Professional Development Seminar Series, Salt Lake City, UT, May 1992.

Avalanche Forecasting: Combining Data and Expert Opinion. With Gail Blattenberger. Bayesian Statistics in Science and Technology: Case Studies, Carnegie-Mellon University, Pittsburgh, PA, September 1991.

Determinants of Automobile Fatalities. The Southern Economic Association, Orlando, FL, November 1989.

Evidence for a Blood Lead--Blood Pressure Relationship, University of Utah Statistics Committee, October, 1989.

Bayesian Operational Subjective Methods of Econometric Model Comparison. The Econometric Society, New York City, NY, December 1988.

The Stationarity of the Arbitrage Pricing Theory Parameters. With James Vanderhoff. The Southern Finance Association, San Antonio, TX, November 1988.

Inflationary Expectations and Money Demand. The Southern Economic Association Meetings, Washington DC, November 1987.

Traffic Fatalities and Motor Vehicle Inspection. The Eastern Economics Association Meetings, Boston, MA, March 1988.

Measuring Audience Attendance. Paper presented to The Special Events and Promotions Research Seminar, Park City, Utah, November 1988.

SUPERVISION OF STUDENT RESEARCH – 2006 to present

Name	Confer Date	Description	Degree	Member	Chair
BELNAP,THOMAS W	8/4/2006	Master of Science	Economics MS	1	
CRANDALL,JAMES MATTHEW	8/4/2006	Master of Science	Economics MS	1	
DANIELS,DYLAN THOMAS	8/4/2006	Master of Science	Economics MS		1
LEE,HYO-CHANG	8/4/2006	Doctor of Philosophy	Economics PHD	1	
MACKAY,ROBERT CALDER	8/4/2006	Master of Statistics	Econometrics MST		1
MARTINSON,JESSE M	8/4/2006	Master of Science	Economics MS		1
SERMCHEEP,SINEENAT	12/15/2006	Doctor of Philosophy	Economics PHD	1	
BURGOYNE-CARL,SARAH BETH	5/4/2007	Master of Statistics	Econometrics MST	1	
CHAICHAO,CHUWADEE	5/4/2007	Master of Science	Economics MS	1	
CHERNIGINA,ELENA ARCADIEVNA	5/4/2007	Master of Science	Economics MS		1
HATCH,NATHAN P	5/4/2007	Master of Science	Economics MS		1
MARTINEZ,DANNY AC	5/4/2007	Master of Science	Economics MS	1	
MORISHITA,TRAVIS SHAWN	5/4/2007	Master of Science	Economics MS	1	
BARAGHOSI, BEHROZ	6/1/2007	Master of Science	Economics MS		1
CRANDALL,MELANIE JAYNE	8/3/2007	Master of Statistics	Economics MST		1
SIRIVUNNABOOD,PITCHAYA	8/3/2007	Doctor of Philosophy	Economics PHD	1	
SORIA,ALEXANDER YOUNGBLOOD	12/14/2007	Master of Science	Economics MS		1
YESSAYAN,ALEX Y	12/14/2007	Master of Statistics	Econometrics MST		1
KANTH,CORY LEIGH	5/2/2008	Doctor of Philosophy	Economics PHD	1	
SESSIONS,RYAN JAMES	5/2/2008	Master of Science	Economics MS		1
CHESLEY,NATHAN PHILIP	12/19/2008	Master of Science	Economics MS		1
HART,BENJAMIN LEO	12/19/2008	Master of Science	Economics MS		1
JENSEN,STEPHANIE K	12/19/2008	Master of Statistics	Economics MST		1
LATIMER,SETH	12/19/2008	Master of Statistics	Econometrics MST		1
UANGUDOM,AUNYARAT	12/19/2008	Master of Science	Economics MS	1	
XING,TIANDA	12/19/2008	Master of Science	Economics MS		1

EDGEL,DENNEY CHRIS	5/8/2009	Master of Statistics	Economics MST		1
MELLOR,BRIGHAM NICHOLAS	5/8/2009	Master of Arts	Economics MA	1	
VETH,SAVANN	5/8/2009	Master of Science	Economics MS	1	
BORROWMAN,MARY ANN	8/7/2009	Master of Science	Economics MS	1	
MILLER-LEVY,BROOKE RACHEL	8/7/2009	Master of Science	Economics MS		1
ROBERTS,WADE CHARLES	8/7/2009	Doctor of Philosophy	Economics PHD	1	
STANFORD,COLLIN	8/7/2009	Master of Science	Economics MS	1	
DEAN,PHILLIP VAUGHN	12/18/2009	Master of Science	Economics MS		1
ERICKSON,DANIEL CHESTER	12/18/2009	Master of Statistics	Econometrics MST		1
KIPA,DMITRY VLADIMIR	12/18/2009	Master of Science	Economics MS		1
PRAYARACH,KULKUNYA	12/18/2009	Doctor of Philosophy	Economics PHD	1	
SCHNEITER,STEVEN JESSE	12/18/2009	Master of Science	Economics MS	1	
TAKAHASHI,ANA MARIA PICIOREA	12/18/2009	Doctor of Philosophy	Economics PHD	1	
WALKER,BRANDON STUART	12/18/2009	Master of Science	Economics MS	1	
ABOUZELOF,MICHAEL H	5/7/2010	Master of Science	Economics MS	1	
AFONSO,ROSIMAR RIBEIRO	5/7/2010	Master of Science	Economics MS	1	
GARRIOTT,LEAH K	5/7/2010	Master of Statistics	Econometrics MST	1	
KRANTZ,JOHN KENNETH	5/7/2010	Doctor of Philosophy	Economics PHD	1	
LEE,NAEUN	5/7/2010	Master of Science	Economics MS	1	
OH,ANGELA JEE-HYE	5/7/2010	Master of Science	Economics MS	1	
CHANGWATCHAI,PIYAPHAN	8/6/2010	Doctor of Philosophy	Economics PHD	1	
CLEVERLEY,DAVID	8/6/2010	Master of Science	Economics MS	1	
HARRELL,AUGUSTE CHRISTOPHER	8/6/2010	Master of Statistics	Econometrics MST	1	
PAULSEN,DYLAN BURTON	8/6/2010	Master of Statistics	Econometrics MST		1
YOUNG,THOMAS EDWARD	8/6/2010	Doctor of Philosophy	Economics PHD	1	
NAIDU, BRANDON	8/11/2010	Master of Science	Economics MS		1
DEHAN, CHASE	12/16/2010	Master of Science	Economics MS		1
AUSTRIA, IVY	2/16/2011	Master of Science	Economics MS	1	
TSEVEENBOLOR, DAVAA	3/23/2011	Doctor of Philosophy	Economics PHD	1	

HUH, YUNSUN	5/5/2011	Doctor of Philosophy	Economics PHD	1	
EL-HUSSEINI, ALI	5/10/2011	Master of Science	Economics MS		1
MURPHY, KIEL	5/10/2011	Master of Statistics	Econometrics MST		1
PESCI, LUCIANO	5/10/2011	Master of Science	Economics MS		1
HASKELL, RICHARD	5/12/2011	Master of Science	Economics MS	1	
NGUYEN, THANH	6/6/2011	Doctor of Philosophy	Business Admin PHD	1	
HERMAN, MICHAEL	6/10/2011	Doctor of Philosophy	Philosophy, PHD	1	
BANNISTER, STEPHEN	Current	Doctor of Philosophy	Economics PHD		1
DRUZHININA, YEVGENIYA	Current	Master of Science	Economics MS	1	
LE, THANH	Current	Doctor of Philosophy	Civil Engineering PHD	1	
MARTINEAU, MIKE	Current	Doctor of Philosophy	Economics PHD		1
MAYNE, CARRIE	Current	Doctor of Philosophy	Economics PHD		1
MOYES, KELSY	Current	Master of Statistics	Econometrics MST		1
NYSTROM, SOFIA	Current	Master of Science	Economics MS		1
OLSEN, PAUL	Current	Master of Science	Economics MS	1	
ORTEGA, XIAOLI	Current	Doctor of Philosophy	Accounting PHD	1	
POLCHLOPEK, JUSTIN	Current	Doctor of Philosophy	Economics PHD		1
VESTER, ADAM	Current	Doctor of Philosophy	Economics PHD	1	
JANAK, ALEX	Current	Master of Science	Economics MS		1
KING, DAVID	Current	Master of Statistics	Econometrics MST		1
WEBSTER, AMBER	Current	Master of Statistics	Econometrics MST		1
PARRA, TITO	Current	Master of Science	Economics MS	1	
PARRA, HENRY	Current	Master of Science	Economics MS	1	
BARAGHOSI, BEHROZ	Current	Doctor of Philosophy	Economics PHD	1	

RESEARCH GRANTS – Received

“Initiative for the Promotion of Active Children.” Carol M. White PEP Grant, U.S. Department of Education, 2005-2008. Rick Lambson, SUU, Co-principal investigator.

Introduction to Economics: Streaming Media. Utah State Office of Education, 1999.

Introduction to Economics: A Hypermedia Curriculum. Utah State Office of Education, 1995/6.

Logit Estimation Under Asymmetric Loss: A Case of Avalanche Forecasting. With Gail Blattenberger. National Science Foundation, Decision, Risk, and Management Science Program, 1993.

Childhood Mortality and Economic Opportunity. With Mary Merva. University of Utah Proposal Initiative Grant, 1993.

Diminished Economic Opportunity and Social Stress. With Mary Merva. Economic Policy Institute, 1992.

University of Utah Summer Research Grant, 1991.

Rutgers University Research Grants, 1986, 1987.

University of Utah Summer Research Grant, 1991

RESEARCH AWARDS

Marriner S. Eccles Research Fellow, University of Utah, Salt Lake City, Utah, 1984 to 1985.

II. TEACHING

TEACHING AWARDS

University of Utah, University Professorship, 1996-1997.

Superior Teaching Award, College of Social and Behavioral Sciences, University of Utah, 1993.

Professor of the Year, 1989. Westminster College, Salt Lake City, Utah.

COURSES TAUGHT -- University of Utah

Economics 2010: Principles of Microeconomics
Economics 2020: Principles of Macroeconomics
Economics 3600: Quantitative Methods
Economics 3650: Principles of Econometrics

Economics 7590: Econometrics
Economics 6610: Microtheory
Economics 6630: Econometrics
Economics 7960: Bayesian Econometrics
Statistics 6969: Introduction to Bayesian Statistics
Economics 4650: Econometrics
Economics 4010: Microtheory
Economics 7800: Econometrics I
Economics 7801: Econometrics II
Economics 3640: Quantitative Methods
Economics 667: Quantitative Methods
Economics 661: Topics in Econometrics
Economics 621: Microtheory
Economics 567: Quantitative Methods
Economics 365: Mathematical Economics
Economics 360: Statistical Methods
Economics 301: Intermediate Microeconomics
Economics 201: Microeconomics
Economics 105: Economics as a Social Science

COURSES TAUGHT -- Westminster College

MBA 693: Business Forecasting
MBA 672: Market Research
MBA 661: Econometrics
MBA 507: Statistics Survey
MBA 506: Quantitative Methods
MBA 501: Economics Survey
Management 252: Quantitative Methods
Economics 499: Econometrics
Economics 412: Special Topics in Applied Economics
Economics 318: Micro Theory
Economics 263: Elementary Micro
Economics 253: Elementary Macro
Economics 105: Intro to Economics as a Social Science

COURSES TAUGHT -- Rutgers University

GSM 655: Advanced Econometrics
Economics 406: Seminar in Applied Economics
Economics 322: Econometrics
Economics 231: Statistical Methods
Economics 102: Economics, Micro

III. UNIVERSITY, PROFESSIONAL, AND PUBLIC SERVICE

REFEREE

American Economic Review

American Statistical Association Proceedings

Canadian Journal of Economics

Criminal Justice Review

Economic Inquiry

International Criminal Justice Review

Criminology

Joint Economic Committee, Congress of the United States

National Science Foundation

COMMITTEE MEMBERSHIP

University Level

Master of Statistics, Chair, 2010 to present

Tanner Fellowship Committee, 1999 to 2003.

Internal Review Committee, Finance, 1996.

University Task Force on High Performance Statistical Computing, 1993-1998.

Interdisciplinary Undergraduate Mathematics Curricula Reform, 1994-2002.

Utah Supercomputing Search Committee: University of Utah, 1993.

Ad Hoc Committee on Supercomputing: University of Utah, 1993.

University Statistics Committee: University of Utah, 1990-present.

College Level

Executive Committee: 2002-present.

College Council: University of Utah, 1990-2004.

Superior Teaching Award Committee: 1994-1998.

Department Level

Co-director of Master's Program: 2004-present.

Director of Undergraduate Studies, 1995-2002.

Distance Learning Committee: 1994-present.

Undergraduate Committee: Department of Economics, 1992-1994. Chair 1995-2002.

Output Assessment Committee: Department of Economics, 1991-present.

Computer Committee, Chair: Department of Economics, University of Utah, 1990-present.

Faculty Applied Microeconomics Search Committee, Chair: Department of Economics, 1992.

Ph.D. Committee: Department of Economics, University of Utah, 1990-1991.

PUBLIC SERVICE

Utah State Department of Corrections: Recidivism Reduction Advisory Panel, Member, 1996-2000.

American Statistical Association: Adopt-a-School Program Volunteer, 1993-present.

Volunteer: Utah Issues, Salt Lake City, Utah 1991-present.

Faculty Sponsor: Omicron Delta Epsilon, Rutgers University, 1986 to 1988.

Utah Delegation Leader, Student-to-Student Ambassador Program, 1990-1991.