

**Richard Fowles**

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University of Utah  
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**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**

Professor, Department of Economics, University of Utah, Salt Lake City, Utah. Associate Professor, 1997 to 2016. Assistant Professor, 1990 to 1996.

President, Transportation and Public Utilities Group, American Economic Association.

Director, Economics Evaluation Unit, University of Utah.

Co-director, University of Utah Masters of Economics Program, July 2006 to 2016.

Chair, University of Utah Graduate Program in Statistics, July 2010 to July 2013.

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.

## RESEARCH PUBLICATIONS

What Caused the 2016 Chicago Homicide Spike? An Empirical Examination of the “ACLU Effect” and the Role of Stop and Frisk in Preventing Gun Violence. With Paul Cassell. *University of Illinois Law Review*, 2018 (5), 1581-1684. (This was also the lead article for the *Review’s* Symposium: Federal Responses to Police Misconduct: Possibilities and Limits.)

Sturdy Inference and the Amelioration Potential for Driverless Cars: The Reduction of Motor Vehicle Fatalities Due to Technology. With Peter Loeb. In *Transportation Policy and Economic Regulation*, John Bitzen and James Peoples (eds). Elsevier, 2018, 331-361.

Still Handcuffing the Cops: A Review of Fifty Years of Empirical Evidence of Miranda's Harmful Effects on Law Enforcement. With Paul Cassell. *Boston University Law Review*, Vol 97 (3), May 2017, 685-848.

Sturdy Inference: A Bayesian Analysis of US Motorcycle Helmet Laws. With Peter Loeb. *Journal of the Transportation Research Forum*, 55 (3), April, 2017, 44-63.

Treed Avalanche Forecasting: Mitigating Avalanche Danger Utilizing Bayesian Additive Regression Trees. With Gail Blattenberger. *Journal of Forecasting*, 36 (2), April, 2016, 165-180.

Economic Policy Relating to Motorcycle Accidents in Thailand. With Rakkhwan Sarawasee and Chompoonuch Permpoonwiwt. *Journal of Population and Social Studies*, 23(1), 2015, 98-100.

Variable Selection in Bayesian Models Using Parameter Estimation and Non-Parameter Estimation Methods. With Gail Blattenberger and Peter Loeb. *Advances in Econometrics* (34), 2014, 249-278.

Avalanche Forecasting: Using Additive Regression Trees (BART). With Gail Blattenberger. In J. Alleman et al. (eds.) *Demand for Communication Services – Insights and Perspectives*, The Economics of Information, Springer Science, New York, 2014.

Determinants of Motor Vehicle Crash Fatalities Using Bayesian Model Selection Methods. With Gail Blattenberger and Peter D. Loeb. *Research in Transportation Economics*, 43(1), 2013, 112-122.

The Cell Phone Effect on Truck Accidents: A Specification Error Approach. With Peter D. Loeb and Wm. Clarke. *The Journal of Transportation Research, Part E*, 50, 2013, 18-28.

Understanding the Cell Phone Effect on Motor Vehicle Fatalities: A Bayesian View. With Gail Blattenberger and Peter Loeb. *Applied Economics*, 44(14), 2012, 1823-35.

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 PUBLICATIONS UNDER REVIEW**

The Determinants of Motorcycle Fatalities: Are All Helmet Laws the Same? With Peter D. Loeb, *Transportmetrica*, second revision request submitted June, 2017.

## **CURRENT SPONSORED RESEARCH GRANTS & CONTRACTS**

The Economics Determinants of Recidivism, Utah Commission on Crime and Juvenile Justice, \$43,000. Funded 2013-2016.

Title IV Waiver Demonstration Projects (Utah and Idaho), US Department of Health & Human Services, \$89,000, 2013-2019.

At-Risk Juvenile Offenders, Utah State Office of Education, \$24,000, 2014.

Recidivism in Utah, Utah Commission on Criminal and Juvenile Justice, \$89,742. 2012-2014.

The Costs of Crime, Utah Commission on Crime and Juvenile Justice, \$14000. Funded, 2011 - 2013.

## **RESEARCH PUBLICATIONS -- Other**

Book Review: *Rational Econometric Man: Transforming Structural Econometrics*, by Edward Nell and Karim Errouaki, *Eastern Economic Journal*, May, 2015 DOI: 10.1057/ej.2015.28.

Economic Policies Relating to Motorcycle Fatalities in Thailand. With With Rakkhwan Sarawasee and Chompoonuch Permpoonwiwt. *Christian University of Thailand Journal*, 21 (4), 2015, 694-713.

Program Evaluation: Workplace and Community Transition for Incarcerated Individuals. Utah State Office of Education, December, 2012

Introduction to an Econometric Cost-Benefit Approach, 2012. Utah Commission on Criminal and Juvenile Justice, 2012.

Economic Effects of Adult Education in Utah. Utah State Office of Education, February, 2012.

Workplace and Community Transition for Incarcerated Youth Offenders: A 2011 Update. Utah State Office of Education and the United States Department of Education, Office of Vocational and Adult Education. January, 2012.

Workplace and Community Transition for Incarcerated Youth Offenders: A 2011 Update. Utah State Office of Education and the United States Department of Education, Office of Vocational and Adult Education. January, 2012.

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.

## PRESENTATIONS

Motor Vehicle Fatalities and Sturdy Statistics. With Peter Loeb. American Economic Association Meetings. Atlanta, 2019.

Symposium: Federal Responses to Police Misconduct: Possibilities and Limits. What Caused the 2016 Chicago Homicide Spike? An Empirical Examination of the "ACLU Effect" and the Role of Stop and Frisk in Preventing Gun Violence. With Paul Cassell. University of Illinois, April, 2018.

The Reduction of Motor Vehicle Fatalities from the Perspective of Sturdy Values: The Autonomous Vehicle Effect. With Peter Loeb. American Economic Association Meetings. Philadelphia, 2018.

Symposium, the Fiftieth Anniversary of *Miranda v. Arizona*, Boston University Opening Keynote Address. With Paul Cassell. May, 2017.

The Determinants of Motor Vehicle Fatalities from a Bayesian Sturdy-Values Perspective. With Peter Loeb. Eastern Economic Association Meetings. New York, 2017.

Sturdy Inference: A Bayesian Analysis of Motor Vehicle Fatalities in the Context of Parameter Uncertainty and Model Ambiguity. With Peter Loeb. American Economic Association Meetings, Chicago, 2017.

Sturdy Inference: A Bayesian Analysis of US Motorcycle Helmet Laws. With Peter D. Loeb, Chompoonuh Permpoonwiwat, and W.A. Clarke, Eastern Economics Association, Washington, DC, 2016.

The Determinants of Motorcycle Fatalities: Are All Helmet Laws the Same? American Economic Association Meetings, Boston, 2015.

Motorcycle Accidents Revisited, With Peter D. Loeb, Eastern Economics Association Meetings, Boston, 2014.

Understanding the Determinants of Vehicle Fatalities: A Classical and Bayesian Approach. With Peter D. Loeb. American Economics Association Meetings, San Diego, 2013.

Utah's Benefit-Cost Model for Recidivism Reduction, Utah State Senate Executive Appropriations Committee for Criminal Justice, August, 2012.

Costs and Benefits of Crime Reduction, Commission on Criminal and Juvenile Justice Annual Meeting, April, 2012.

The Cell Phone Effect on Truck Accidents: A Specification Error Approach. With Peter D. Loeb. National Economics and Business Society Annual Meetings, Maui, HI, March, 2012.

Bayesian Model Selection: Examples Relating to Motor Vehicle Fatalities. With Gail Blattenberger and Peter D. Loeb. American Economic Association Meetings, Chicago, 2012.

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.