

Mark S. McNulty, Ph.D.

3005 Center Green Drive, Suite 200
Boulder, Colorado 80301

Office: 303-530-5333
Email: mmcnulty@paceyecon.com

Education

Iowa State University

Ph.D.in Economics & Statistics
1985

University of South Dakota

Bachelor of Science in Economics and Mathematics
1978

Work Experience

Pacey Economics, Inc.

Boulder, Colorado

April 2008 to present

- Conduct economic damage analyses and provide testimony for litigation-related consulting projects regarding business contracts, employment termination, personal injury, and wrongful death
- Conduct economic research in various areas including agricultural economics, energy, education finance, and tobacco prevention and control.

University of Wyoming, Wyoming Survey & Analysis Center

Laramie, Wyoming

Senior Research Scientist, February 2006 to March 2008

- Conduct public policy analyses related to health, environment, education, and criminal justice
- Build and analyze global energy models
- Conduct survey methodology research

Work Experience Continued

Los Alamos National Laboratory

Los Alamos, New Mexico

Technical Staff Member, November 1999 to January 2006

Team Leader, September 2005 to January 2006

- Analyze institutional operations (e.g., production, finance, organization, security, and safety) and the allocation of institutional resources (e.g., human, financial, and capital)
- Analyze US infrastructure vulnerabilities
- Analyze issues related to national security
- Analyzes typically include the construction of performance metrics, risk analysis, and option prioritization

Center for Adaptive Systems Applications

Los Alamos, New Mexico

Senior Scientist, September 1998 to October 1999

- Perform financial analyses (e.g., portfolio risk analyses, market risk analyses, and customer scoring) for global corporations Citibank and Monsanto

Kansas State University

Manhattan, Kansas

Associate Professor of Economics, September 1991 to August 1998

Director of Graduate Studies, Department of Economics, September 1996 to August 1998

Assistant Professor of Economics, September 1989 to August 1991

Assistant Professor of Statistics, September 1985 to August 1989

- Teach Ph.D. theory sequences in microeconomics and econometrics
- Manage the graduate program in economics
- Direct Master's and Ph.D.'s candidates
- Conduct research in the fields of economics, agricultural economics, and statistics

University of North Carolina – Greensboro

Greensboro, North Carolina

Instructor of Economics, September 1983 to August 1985

- Teach graduate and undergraduate courses in economics and statistics

Refereed Publications

S. Keller-McNulty and **M. S. McNulty**, 2002. "Show Me the Data: Statistical Representation." *Theoria and Historia Scientiarum*, 6:75-85.

M. E. Odejar and **M. S. McNulty**, 2001. "Bayesian Analysis of the Stochastic Switching Regression Model Using Markov Chain Monte Carlo Methods." *Computational Economics*, 17:265-284.

M. S. McNulty and W. E. Huffman, 1996. "Market Equilibria with Endogenous, Hierarchical Information." *The Journal of Economic Dynamics and Control*, 20:607-626.

O. C. Grunewald, D. J. Faulds, and **M. S. McNulty**, 1993. "Evidence on Agglomeration in Quality Space-Revisited." *The Journal of Industrial Economics*, 41:205-214.

O. C. Grunewald, **M. S. McNulty**, and A. W. Biere, 1993. "Live Cattle Futures Response to Cattle on Feed Reports." *The American Journal of Agricultural Economics*, 75:131-137.

M. S. McNulty and W. E. Huffman, 1992. "Trading-Day Variation: Theory and Implications for Meat Demand." *The American Journal of Agricultural Economics*, 74:1003-1009

D. R. Vruwink and **M. S. McNulty**, 1991. "A Model for Determining the Market Valuation of Savings and Loan Companies with Negative Earnings: Some Empirical Evidence." *Akron Business and Economic Review*, 22:34-44

M. S. McNulty and W. Eisle, 1991. "Testing for Autocorrelation in Nested Analysis of Variance." *Communications in Statistics*, 20:399-410.

S. Keller-McNulty, **M. S. McNulty**, and D. A. Gustafson, 1991. "Stochastic Models for Software Science." *The Journal of Systems and Software*, 16:59-68.

D. R. Vruwink and **M. S. McNulty**, 1990. "Analyzing the Use of Accounting Information in Investment Decision Making for Savings & Loan Companies: An Equity Valuation Model." *Midwestern Journal of Business and Economics*, 4:15-26.

M. S. McNulty and W. E. Huffman, 1989. "The Sample Spectrum of Time Series with Trading Day Variation." *Economics Letters*, 31:367-370.

S. Keller-McNulty and **M. S. McNulty**, 1989. "Response to: Resolving the Software Science Anomaly." *The Journal of Systems and Software*, 10:69-71.

C. D. Lambert, **M. S. McNulty**, O. C. Grunewald, and L. R. Corah, 1989. "An Analysis of Feeder Cattle Price Differentials." *Agribusiness*, 5:9-23.

S. Keller-McNulty and **M. S. McNulty**, 1987. "The Independent Pairs Assumption in Hypothesis Tests Based on Rank Correlation Coefficients." *The American Statistician*, 41:40-41.

M. S. McNulty, 1986. "A Test of the Independence of Subsets of Instrumental Variables and Regressors." *Economics Letters*, 21:329-331.

W. E. Huffman and **M. S. McNulty**, 1985. "Endogenous Local Public Extension Policy." *The American Journal of Agricultural Economics*, 67:761-768.

Other Publications

M.S. McNulty, 2010. “Characterization of Demand and Price for Transportation Fuels,” for the National Renewable Energy Laboratory.

M.S. McNulty, 2010. “Energy Price-Biofuel Production Cost Coupling Analysis,” for the National Renewable Energy Laboratory.

M.S. McNulty, and A.W. Ahrens, 2009. “Energy Price-Production Cost Coupling Analysis,” for the National Renewable Energy Laboratory.

M.S. McNulty, 2008. “FAIR-MC Extensions to Global Interventions and Energy Markets.” Los Alamos National Laboratory monograph.

M.S. McNulty, 2008. “Impact of the 2003 Cigarette Excise Tax Increase on Consumption and Revenue in Wyoming: First Biannual Report FY 2008.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-803.

M.S. McNulty, N.M. Nelson, 2007. “The economic impact of Laramie’s smokefree ordinance: Second biannual report FY 2007.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-714.

M.S. McNulty, N.M. Nelson, 2007. “Impact of the 2003 Cigarette Excise Tax Increase on Consumption and Revenue in Wyoming: Second Biannual Report FY 2007.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-732.

M.S. McNulty, N.M. Nelson, 2007. “Impact of the 2003 Cigarette Excise Tax Increase on Consumption and Revenue in Wyoming: First Biannual Report FY 2007.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-701.

M.S. McNulty, 2007. “Wyoming Moist Snuff Tobacco Taxation Policy.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-702.

M.S. McNulty, N.M. Nelson, 2007. “The Wyoming Addicted Offenders Accountability Act: Advanced ASI Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-708.

M.S. McNulty, N.M. Nelson, 2007. “The Wyoming Addicted Offenders Accountability Act: ASI Descriptive Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-703.

T. Furgeson, **M.S. McNulty**, S.M. Wilhelm, 2007. “A Cost-Benefit Analysis of Three Medicolegal Systems for Wyoming.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-704.

S.M. Williams, **M.S. McNulty**, L.L. Feldman, 2007. “Evaluation of the Tobacco-Free Wyoming Communities Program: 2002-2006.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-719.

T. Worley, M. Storey, **M.S. McNulty**, 2007. “Study of Incarcerated Persons: Caregiver Report.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-710.

M. Storey, **M.S. McNulty**, T. Worley, 2007. “Study of Incarcerated Persons: Final Report.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-709.

M. Storey, **M.S. McNulty**, 2007. “Study of Incarcerated Persons: Literature Review.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-702.

Other Publications Continued

M.S. McNulty, 2007. “Wyoming Department of Corrections Tobacco Cessation Program: Final Report.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-707.

M.S. McNulty, 2007. “Wyoming Department of Corrections Tobacco Cessation Program: Followup & Intake Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-704.

M.S. McNulty, 2006. “The economic impact of Laramie’s smokefree ordinance: First biannual report FY2007.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-633.

M.S. McNulty, 2006. “The economic impact of Laramie’s smokefree ordinance: Fourth quarterly report.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-527-04.

M.S. McNulty, M. McLean, & L. Feldman, 2006. “The economic impact of Laramie’s smokefree ordinance: Third quarterly report.” Wyoming Survey & Analysis Center Technical Report No. CHES-527-03.

M.S. McNulty, M. McLean, & L. Feldman, 2006. “The economic impact of Laramie’s smokefree ordinance: Second quarterly report.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-527-02.

M.S. McNulty, 2006. “Impact of the 2003 Cigarette Excise Tax Increase on Consumption and Revenue in Wyoming: Fourth Quarterly Report 2005-2006.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-521-04.

M.S. McNulty, M. McLean, & L. Feldman, 2006. “Impact of the 2003 Cigarette Excise Tax Increase on Consumption and Revenue in Wyoming: Third Quarterly Report.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CHES-521-03.

M.S. McNulty, 2006. “Wyoming Department of Corrections Tobacco Cessation Program: Education Pre/Post Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-605.

M.S. McNulty, 2006. “Wyoming Department of Corrections Tobacco Cessation Program: Probation and Parole Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-603.

M.S. McNulty, 2006. “Wyoming Department of Corrections Tobacco Cessation Program: Inmate Pre-Program Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-602.

M.S. McNulty, 2006. “Wyoming Department of Corrections Tobacco Cessation Program: Staff Pre-Program Analysis.” University of Wyoming, Wyoming Survey & Analysis Center Technical Report No. CJR-601.

M. S. McNulty, K. Houghton, F. Benson, M. Burnside, T. Renshaw, K. Lier, 2005. “New Employee Hiring Costs.” *Los Alamos National Laboratory Technical Report*, LA-UR-05-3228.

M. Meyer, S. Keller-McNulty, T. Bement, J. Booker, **M. S. McNulty**, N. Singpurwalla, 2001. PREDICT, *Los Alamos National Laboratory Technical Report*, LA-UR-01-4607.

M. S. McNulty, 1993. “The Equivalence of State Adjustment and Autoregressive-Error Demand Models.” *American Statistical Association: 1993 Proceedings of the Business and Economics Statistics Section*. American Statistical Association, 187-189.

Other Publications Continued

S. Keller-McNulty and **M. S. McNulty**. "Statistics and Software and Software Metrics." In A. Melton (Ed.) *Software Metrics: Understanding Software Engineering*, Chapman Hall: New York, 1996, 115-144.

S. Keller-McNulty and **M. S. McNulty**, 1994. Statistics and Software Metrics. *Technical Report II-94-1*, Department of Statistics, Kansas State University.

S. Keller-McNulty, **M. S. McNulty**, and E. A. Unger, 1989. "The Protection of Confidential Data." *Proceedings of the 21st Symposium on the Interface of Computer Science and Statistics*, Orlando, Florida.

D. R. Vruwink and **M. S. McNulty**, 1989. "Analyzing the Use Accounting Information in Investment Decision Making for Saving & Loan Companies: An Equity Valuation Model." *Collected Papers and Abstracts of the American Accounting Association Southwestern Region Meetings*, 62-169.

M. S. McNulty and W. E. Huffman, 1986. "Calendar Effects in Regression Analysis." *Proceedings of the Business and Economics Section of the 1986 Joint ASA Meetings*.

Consulting Reports

"The Declining Enrollment Study: A Comprehensive Review of Funding for Colorado Public School Education," March 2010 on behalf of *Colorado Department of Education*.

"Colorado PERA's Economic & Fiscal Impacts," August 2009 and November 2011 on behalf of *Colorado Public Employees' Retirement Association (PERA)*