

July 2020

## CURRICULUM VITAE

Name: J. S. Butler

Address: Martin School of Public Policy and Administration  
473 Patterson Office Tower  
University of Kentucky  
Lexington, Kentucky 40536-0027

Education:

B.A. in Economics, Rice University, May 1973  
M.A. in Economics, Cornell University, January 1980  
Ph.D. in Economics, Cornell University, August 1982

Courses Taught:

Econometrics – first semester (Ph.D. level) (twice at Cornell, once at Syracuse, seven times at Vanderbilt, twice at Kentucky)  
Econometrics – first semester (MPP level) (seven times at Kentucky)  
Econometrics - second semester (Ph.D. level) (four times at Cornell, 14 times at Vanderbilt, once at Kentucky)  
Statistics (graduate) (three times at Vanderbilt)  
Research Methods (graduate) (once at Kentucky)  
Statistics (Pharmacy professional) (seven times at Kentucky)  
Health Finance (M.A. level) (once at Cornell)  
Graduate Program in Economic Development Thesis Supervision (M.A.) (twice at Vanderbilt)  
Introductory Probability and Statistics (undergraduate) (11 times at Vanderbilt), graduate (once at Kentucky)  
Introductory Business Finance (undergraduate) (eight times at Vanderbilt)  
Introductory Macroeconomics (undergraduate) (nine times at Vanderbilt, once at Syracuse, twice at Cornell)  
Introduction to Multivariate Analysis (undergraduate) (three times at Cornell)

Publications:

J.S. Butler and Robert Moffitt, "A Computationally Efficient Quadrature Procedure for the One-Factor Multinomial Probit Model", Econometrica, 50 (1982):761-764.

J.S. Butler and Kathryn H. Anderson, "Continuous Outcomes Stochastically Mismeasured as Discrete Random Variables: A Maximum Likelihood Approach", Communications in Statistics - Theory and Method, 13(1984):2005-2012.

J.S. Butler, "The Statistical Bias of Numerically Integrated Statistical Procedures," Journal of Computers and Mathematics with Applications, 11(1985):587-593.

J.S. Butler, James C. Ohls, and Barbara M. Posner, "The Effect of the Food Stamp Program on the Nutrient Intake of the Eligible Elderly", Journal of Human Resources, 20(1985):405-420.

J.S. Butler and Barry Schachter, "Unbiased Estimation of the Black-Scholes Formula", Journal of Financial Economics, 15(1986): 341-357. Reprinted in CFA Readings in Derivative Securities, edited by Michael Berry and Katrina F. Sherrerd, published by The Institute of Chartered Financial Analysts.

Richard V. Burkhauser, J.S. Butler, Jean Mitchell, and Theodore Pincus "Effects of Arthritis on Wage Earnings", Journal of Gerontology, 41(1986):277-281.

- Jean M. Mitchell and J.S. Butler, "Arthritis and the Earnings of Men: An Analysis Incorporating Selection Bias", Journal of Health Economics 5(1986):81-98.
- J.S. Butler, Kathryn H. Anderson, and Richard V. Burkhauser, "Testing the Relationship Between Work and Health: A Bivariate Hazard Model", Economics Letters 20(1986):383-386.
- Kathryn H. Anderson, M. Anne Hill, and J.S. Butler, "Age at Marriage in Malaysia: A Hazard Model of Marriage Timing" Journal of Development Economics 26(1987):223-234. Reprinted in Readings in Population Research Methodology, edited by Douglas Anderton, Eduardo Arriaga, and Donald J. Bogue.
- Kathryn H. Anderson, J.S. Butler, and Frank Sloan, "Labor Market Segmentation: A Cluster Analysis of Labor Market Groupings and Barriers to Entry" Southern Economic Journal 53(1987):571-590.
- J.S. Butler, Richard V. Burkhauser, Jean Mitchell, and Theodore Pincus, "Measurement Error in Self-Reported Health Variables", Review of Economics and Statistics 69(1987):644-650.
- Munir Quddus, Jin-Tan Liu and J.S. Butler, "Variability of Inflation and the Dispersion of Relative Prices: Evidence from the Chinese Hyperinflation of 1946-49" Economics Letters 27(1988):239-244.
- J.S. Butler, Kathryn H. Anderson, and Richard V. Burkhauser, "Work and Health after Retirement: A Semiparametric Bivariate Interval Hazard Model" Review of Economics and Statistics 71(1989):46-53.
- Munir Quddus, Jin-Tan Liu, and John S. Butler, "Money, Prices, and Causality: The Chinese Hyperinflation 1946-49, Reexamined", Journal of Macroeconomics 11(1989):447-453.
- J.S. Butler and Barry Schachter, "The Investment Decision: Estimation Risk and Risk Adjusted Discount Rates", Financial Management, 18(1989):13-22.
- C. C. Jeng, J.S. Butler, and J. T. Liu, "The Informational Efficiency of the Stock Market: the International Evidence of 1921-1930", Economics Letters 34 (1990):157-162.
- J.S. Butler and J. M. Mitchell, "A Simultaneous Equations Model of Cardiovascular Disease and Earnings", Metron 48(1990):283-295.
- Robert W. Rich, Jennie Raymond, and J.S. Butler, "Generalized Instrumental Variable Estimation of Autoregressive Conditional Heteroskedastic Models", Economics Letters 35(1991):179-185.
- Richard V. Burkhauser, J.S. Butler, and Karen C. Holden, "How the Death of a Spouse Affects Economic Well-Being after Retirement: A Hazard Model Approach", Social Science Quarterly, 72(1991):504-519.
- Timothy J. Bartik, J.S. Butler, and Jin-Tan Liu, "Maximum Score Estimates of the Determinants of Residential Mobility, Implications for the Value of Residential Attachment and Neighborhood Amenities", Journal of Urban Economics 32(1992):233-256.
- Robert W. Rich, Jennie Raymond, and J.S. Butler, "The Relationship Between Forecast Dispersion and Forecast Uncertainty: Evidence from a Survey Data--ARCH Model", Journal of Applied Econometrics 7(1992):131-147.
- Richard P. Chaykowski, George A. Slotsve, and J.S. Butler, "A Simultaneous Analysis of Grievance Activity and Outcome Decisions", Industrial and Labor Relations Review 45(1992):724-737.
- J.S. Butler and Barry Schachter, "Unbiased Estimation of Option Prices: An Examination of the Return from Hedging Options Against Stocks", Advances in Futures and Options Research, Volume 7, 1994.
- Kathryn H. Anderson, Jean M. Mitchell, and J.S. Butler, "The Effect of Deviance During Adolescence on the Choice and Characteristics of Jobs", Southern Economic Journal 60(1993):341-356.

Robert W. Rich, Jennie E. Raymond and J.S. Butler, "Testing for Measurement Errors in Expectations from Survey Data: An Instrumental Variables Approach", Economics Letters 43(1993):5-10.

J.S. Butler, T. Aldrich Finegan and John J. Siegfried, "Does More Calculus Improve Student Learning in Intermediate Micro and Macro Economic Theory?", American Economic Review 84(1994):206-210.

Richard V. Burkhauser, J.S. Butler, and Yang Woo Kim, "The Importance of Employer Accommodation on the Job Duration of Workers with Disabilities", Labour Economics 2(1995):109-130.

J.S. Butler, "Estimating the Correlation in Censored Probit Models," Review of Economics and Statistics 78(1996):356-358.

J.S. Butler and Jennie Raymond, "The Effect of the Food Stamp Program on Nutrient Intake", Economic Inquiry 34(1996):781-798.

J.S. Butler and Barry Schachter, "The Statistical Properties of Parameters Inferred from the Black-Scholes Formula", International Review of Financial Analysis 5(1996):223-235.

J.S. Butler and Patrali Chatterjee, "Tests of the Specification of Univariate and Bivariate Ordered Probit", Review of Economics and Statistics 79(1997):343-347.

Samuel O. Okpaku, Kathryn H. Anderson, Amy E. Sibulkin, J.S. Butler, and Leonard Bickman, "Employment and Service Provision Outcomes from a Controlled Experiment of a Multidisciplinary Case Management Intervention for a Social Security Disability Sample with Mental Impairments", Psychiatric Rehabilitation Winter 1997.

J.S. Butler, "Censored Probits Do Not Fail Randomly: A Monte Carlo Study," Economics Letters 57(1997):33-37.

J.S. Butler, T. Aldrich Finegan and John J. Siegfried, "Does More Calculus Improve Student Learning in Intermediate Micro and Macro Economic Theory?", Journal of Applied Econometrics 13(1998):185-202.

J.S. Butler and Barry Schachter, "Improving Value-at-Risk Estimates by Combining Kernel Estimation with Historical Simulation", at the Review of Derivatives Research 1(1998):371-390.

Robert W. Rich and J.S. Butler, "Disagreement as a Measure of Uncertainty: A Comment on Bomberger", Journal of Money, Credit, and Banking 30(1998):411-419.

Richard V. Burkhauser, J.S. Butler, Yang-Woo Kim, and Robert R. Weathers II, "The Importance of Accommodation on the Timing of Disability Insurance Applications: Results from the Survey of Disability and Work and the Health and Retirement Study", Journal of Human Resources 34(1999):589-611.

Richard V. Burkhauser, J.S. Butler, and Andrew J. Houtenville, "Changes in Permanent Income Inequality in the United States and Germany in the 1990s". Vierteljahrsheft Zur Wirtschaftsforschung, No. 2 (1999): 284-289.

J.S. Butler, "Efficiency Results of MLE and GMM Estimation using Sampling Weights", Journal of Econometrics 96(2000):25-37.

J.S. Butler and Andrew W. Horowitz, "Labor Supply and Wages Among Nuclear and Extended Households: The Surinamese Experiment", Journal of Development Studies 36(2000):1-29.

Gabriel Picone and J.S. Butler, "Semiparametric Estimation of Multiple Equation Models", Econometric Theory 16(2000):551-575.

Weiwei Feng, Wei Zhou, J.S. Butler Brenda M. Booth, and Michael T. French, "The Impact of Problem Drinking on Employment", Health Economics 10(2001):509-521.

Rosemary Avery and J.S. Butler, "Timeliness in the Adoptive Placement of Photolisted Children: The New York State Blue Books", Adoption Quarterly 4(2001):19-46.

J.S. Butler and Rosemary Avery, "Time Dependency and Unmeasured Heterogeneity in Administrative Data Analysis: Application to Adoption Photolisting Services Data", Children and Youth Services Review (2002).

Richard V. Burkhauser, J.S. Butler, and Robert R. Weathers II, "How Policy Variables Influence the Timing of Social Security Disability Insurance Applications", Social Security Bulletin Vol. 64, No. 1 (2001-2002).

J.S. Butler and Diana Weinhold, "Taxing Losses: Economic Suicide or Shrewd Trade Policy?", Journal of Interdisciplinary History (Summer 2002).

Richard V. Burkhauser, J.S. Butler, Shuaizhang Feng, and Andrew J. Houtenville, "Long Term Trends in Earnings Inequality: What the CPS Can Tell Us", Economics Letters 82(2004):295-299.

Richard V. Burkhauser, J.S. Butler, and Gulcin Gumus, "Dynamic Programming Model Estimates of Social Security Disability Insurance Application Timing", Journal of Applied Econometrics 19(2004):671-685.

H. Elizabeth Peters, Laura Argys, Heather Wynder Howard, and J.S. Butler, "Legislating Love: The Effect of Paternity, Child Support, and Welfare Policies on Father-Child Contact", Review of Economics of the Household 2(2004):255-274.

Kimberly K. Daugherty, J.S. Butler, Michelle Mattingly, and Melody Ryan, "Factors Leading Patients to Discontinue Multiple Sclerosis Therapies", Journal of the American Pharmacists Association 45(2005):371-375.

Amy E. Sibulkin and J.S. Butler, "Differences in Graduation Rates between Young Black and White College Students: Effect of Entry into Parenthood and Historically Black Universities", Research in Higher Education 46(2005):327-348.

Melody Ryan, J.S. Butler, Frank Romanelli, and Kelly M. Smith, "The Relationship of Board Certification to Financial and Professional Benefits for Pharmacy Practice Faculty", Journal of Pharmacy Teaching 12(2005):109-116.

Schuaizhang Feng, Richard V. Burkhauser, and J.S. Butler, "Levels and Long-Term Trends in Earning Inequality: Overcoming Current Population Survey Censoring Problems Using the GB2 Distribution", Journal of Business and Economic Statistics 24(2006):57-62.

Jennjou Chen and J.S. Butler, "A quality adjusted wage index", Economics Bulletin Vol. 10, No. 13(2006):1-14.

Peter N. Johnson, F. Romanelli, K.M. Smith, Dinesh Ranjan, J.S. Butler, and Timothy M. Clifford, "Analysis of morbidity in liver transplant recipients following human albumin supplementation: a retrospective pilot study", Progress in Transplantation 16(2006):197-205.

J.S. Butler and Christine Moser, "Cloud Cover and Satellite Images of Deforestation", Land Economics 83(2007):58-65.

Peter N. Johnson, Robert P. Rapp, Christopher T. Nelson, J.S. Butler, Sue Overman, and Robert J. Kuhn, "Characterization of Community-Acquired Staphylococcus aureus Infections in Children", The Annals of Pharmacotherapy 41(2007):1361-1367.

Peter N. Johnson, Robert P. Rapp, Christopher T. Nelson, J.S. Butler, Sue Overman, and Robert J. Kuhn, "Utilizing Pharmacy Records to Assess Antibiotic Prescribing Patterns on the Incidence of Community-Acquired Methicillin-Resistant Staphylococcus aureus Infections in Children" The Journal of Pediatric Pharmacology and Therapeutics 12(2007):91-101.

- Amy E. Sibulkin and J.S. Butler, "Should College Algebra be a Prerequisite for Taking Psychology Statistics?", *Teaching of Psychology* 35(2008):214-217.
- Wenli Yan, Dwight V. Denison, and J.S. Butler, "Revenue Structure and Nonprofit Borrowing", *Public Finance Review* 37(2009):47-67.
- Rosemary J. Avery, J.S. Butler, Ellie Bradsher Schmidt, and Barb Holtan, "AdoptUsKids National Photolisting Service: Characteristics of Listed Children and Length of Time to Placement", *Children and Youth Services Review* 31(2009):140-154.
- J.S. Butler and Christine Moser, "A Structural Model of Agricultural Markets in Developing Countries," *American Journal of Agricultural Economics* 92(2010):1364-1378.
- D. Comer D, M. Mabins M, J.S. Butler, and K. Blumenschein, " Patient Interpretation of Prescription Order Quantitative Statements," *Journal of the American Pharmacists Association* 51(2011):404-407.
- Megan Streams, J.S. Butler, Joshua Cowen, Jacob Fowles, and Eugenia F. Toma "School Finance Reform: Do Equalized Expenditures Imply Equalized Teacher Salaries?" *Education Finance and Policy* 6(2011):508-536.
- A.E. Sibulkin and J.S. Butler, "Diverse Colleges of Origin of African American Doctoral Recipients, 2001-2005: Historically Black Colleges and Universities and Beyond," *Research in Higher Education* 52(2011):830-852.
- Xin Wang, Leigh J. Maynard, J.S. Butler, and Ellen W. Goddard, "Using Linked Household-Level Data Sets to Explain Consumer Response to Bovine Spongiform Encephalopathy (BSE) in Canada," *Journal of Toxicology and Environmental Health, Part A* 74(2011):1536-1549.
- Joshua M. Cowen, J.S. Butler, Jacob Fowles, Megan Streams, and Eugenia Toma, "Teacher Retention in Appalachian Schools: Evidence from Kentucky," *Economics of Education Review* 31(2012):431-441.
- Nathan Barrett, J. S. Butler, and Eugenia F. Toma, "Do Less Effective Teachers Choose Professional Development Does It Matter?" *Evaluation Review* 36(2012):346-372.
- J.S. Butler, Douglas Carr, Ron Zimmer, and Eugenia Toma, "Choice in a World of New School Types," *Journal of Policy Analysis and Management* 32(2013):785-806.
- Colleen H. Heflin and J.S. Butler, "Why Do Women Enter and Exit From Material Hardship?", *Journal of Family Issues* 34(2013):631-660.
- Jacob Fowles, J.S. Butler, Josh Cowen, Megan Streams, and Eugenia F. Toma, "Public Employee Quality in a Geographic Context: A Study of Rural Teachers," *American Review of Public Administration*, 44(2014):503-521.
- Amy E. Sibulkin and J.S. Butler, "Undergraduate summer research programs and graduate school outcomes: Don't ignore rejected program applicants," *Teaching of Psychology* 42(2015):357-360.
- Amy E. Sibulkin and J.S. Butler, "Postbaccalaureate Salaries of Psychology Majors From a Historically Black University: How Much Does Master's Degree Add?", *Teaching of Psychology* 43(2016):1-5.
- J.S. Butler and Pete Jones, "Theory and Distribution of p-values", *Metron* 76(2018):1-30.
- Eli Levine and J.S. Butler, "Causal Graphs and Concept Mapping, "Fuzzy Decision Making and Soft Computing Applications, a special issue of *Applied System Innovation* 26 July 2018; <https://doi.org/10.3390/asi1030025>
- Xueting Deng and J.S. Butler, "Expenditures on Wine in General and Local Wine in Particular: Marketing and Econometric Analysis," *Journal of Agribusiness*, 36(2018):109-131.
- Wenchi Wei , J. S. Butler, and Edward T. Jennings Jr., "The Determinants of Municipal Structures on a Political-Administrative Dimension," *American Review of Public Administration*, 49(2019):189-202.

Wenli Yan, Dwight Denison, J.S. Butler, "Managing and Monitoring Nonprofit Revenues: Balancing Risk and Growth", *Journal of Public and Nonprofit Affairs*, 5(2019):56-73.

Amy E. Sibulkin and J.S. Butler, "Learning to Give Reverse Causality Explanations for Correlations: Still Hard After All These Tries, Teaching of Psychology, 46(2019):223-229.

Jinhai Yu, Edward T. Jennings Jr., and J. S. Butler, "Dividing the Pie: Parties, Institutional Limits, and State Budget Tradeoffs", *State Politics and Policy Quarterly*, 19(2019), <https://doi.org/10.1177/1532440018822469>

Jinhai Yu, Edward T. Jennings Jr and J. S. Butler, "Lobbying, learning and policy reinvention: an examination of the American States' drunk driving laws, *Journal of Public Policy* 40(2020):259-279.

#### Conference Volumes and Proceedings

Richard V. Burkhauser, J.S. Butler, and James T. Wilkinson, "Estimating Changes in Well-Being Across Life: A Realized vs. Comprehensive Income Approach", Chapter 3 of Horizontal Equity, Uncertainty, and Economic Well-Being, edited by Martin David and Timothy Smeeding. NBER Conference Volume in Income and Wealth, No. 50, 1985, pp. 69-87.

J.S. Butler, Kathryn H. Anderson, and Richard V. Burkhauser, "Work and Health: A Bivariate Hazard Model with Correlated Heterogeneity Components", American Statistical Association 1985 Proceedings of the Business and Economic Statistics Section, pp. 65-70.

#### Papers in Edited Volumes

J.S. Butler and Gabriel Picone, "A Note of the Logical Consistency of Simultaneous Equations Models which Include Limited Dependent Variables", Generalised Method of Moments Estimation, edited by László Mátyás. Cambridge University Press, 1999.

#### Working Papers:

Nodir Adilov and J.S. Butler, "Identification and Estimation of Simultaneous Equation Models with Limited Dependent Variables".

Nodir Adilov and J.S. Butler, "The Relationship Between Simultaneous Endogenous Equations Models with Limited Dependent Variables and Discrete Games".

Rosemary Avery and J.S. Butler, "The Impact of Circadian Rhythm Desynchronization on Academic Performance: Do College Athletes Have a Competitive Advantage?"

Rosemary Avery and J.S. Butler, "Subjective Alertness, Performance, and Academic Schedule Choices of College Students".

Karen Blumenschein and J.S. Butler, "Statistics Learning and Retention by Pharmacy Students"

Karen Blumenschein and J.S. Butler, "Predictors of Quality of Life of Pharm.D. Students Assessed Using the SF-36".

J.S. Butler, "Decomposition based on single index models".

J.S. Butler and Kyle Bosh, "The Influence of Veterinary Schools on the Veterinary Labor Market".

J.S. Butler and Patrali Chatterjee "GMM Estimation and Testing of Ordered Probits: An Application to the Ownership of Cats and Dogs".

J.S. Butler and Colleen Heflin, "Factors Affecting Entry into and Exit from Material Hardship".

J.S. Butler and Christine M. Moser, "Complementarities and differences in adoption: an application of hazard models to two technologies in Madagascar."

J.S. Butler and Eugenia V. Toma, What Can An Administrator Do? U.S. News and World Report Rankings of Public Affairs."

J.S. Butler and Sarah Wackerbarth, "Does vigilance in decision-making matter for caregivers?"

#### Grants:

"Econometric Aspects of Option-Pricing Formulae," grant from the Vanderbilt University Research Council, June 1, 1983 to May 31, 1984. (\$5,250)

"Issues of Poverty, A Life-Cycle View," grant from the University of Wisconsin Institute for Research on Poverty Small Grants Program, October 1, 1983 - June 30, 1984 (with K. Anderson and R. Burkhauser). (\$10,000)

"Low Wage Labor Markets and Job Stability," grant from the U.S. Department of Health and Human Services, October 1, 1983 - September 30, 1984 (with K. Anderson and F. Sloan). (\$75,234)

"The Effect of the Food Stamp Program on the Eligible Elderly," grant from the Institute for Research on Poverty, University of Wisconsin, June 1, 1985 - December 31, 1986. (\$10,000)

"Nonparametric Hazard Models" (with Kathryn H. Anderson), grant from the Vanderbilt University Research Council, June 1, 1986 - May 31, 1987. (\$5,500)

"The Effect of Food Stamps on Nutrition," grant from the Vanderbilt University Research Council, June 1, 1987 - May 31, 1988. (\$5,900)

"The Effect of Food Stamps on Nutrition," Biomedical Research Support Grant, grant #BRSR S07-RR07201, July 1, 1987 - March 31, 1988. (\$4,060)

"Economic Changes After Retirement" (with Richard V. Burkhauser and Karen Holden), Social Security Administration, October 1, 1987 - September 30, 1988. (\$114,103)

"Reducing Disability in Mentally Ill SSI/SSDI Applicants," (with Samuel D. Okpaku, Leonard Bickman, and Kathryn H. Anderson) Department of Health and Human Services, Public Health Service, July 1, 1989 - June 30, 1991). (\$428,461)

"The Nutritional Attainment of the Elderly Poor," Biomedical Research Support Grant #BRSR 2 S07-RR07201-11, July 1, 1990 - March 31, 1991. (\$4,920)

"The Well Being of the Elderly in a Comparative Context" continuation (investigator, Richard V. Burkhauser, P.I.), National Institute on Aging 10/1/96-09/30/99 (\$1,636,292)

"Economics and Demography of Aging," Training grant DHHS-NIA #5-T32-AG00238-03, September 1, 1996 - August 31, 1997. (\$25,600)

"Center for Economic Research on Employment Policy for Persons with Disabilities" (investigator, Richard V. Burkhauser and Suzanne Bruyère), NIDRR December 1998-November 2003 (\$3,500,000).

Spencer Foundation, "Teaching Careers in Rural Schools," 2009-2011, \$279,100. (Senior scholar)

National Science Foundation, "Research, Evaluation and Technical Assistance: Student Outcome Effects of the Appalachian Math and Science Partnership," 2008-2011, \$1,458,691. (Senior scholar)

**Invited Lectures:**

"The Effect of the Food Stamp Program on Nutrient Intake," at the Urban Institute, October 9, 1991.

"Generalized Method of Moments Estimation," at the Urban Institute, October 30, 1991.

"Parametric and Semiparametric Estimation of the Effects of Assistance to Mentally Impaired Applicants for SSDI on Getting and Keeping Jobs" (with K. H. Anderson) at the Commodity Futures Trading Commission, August 30, 1991; at Brown University, November 13, 1991; at Syracuse University, December 11, 1991; and at Auburn University, May 22, 1992.

"Estimating the Correlation in Censored Probit Models," at Auburn University, June 30, 1993.

"Pet Econometrics: Ownership of Cats and Dogs," Citibank Applied Micro and Econometrics Workshop at Brown University, March 16, 1995.

"Average Derivative Estimation of the Union-Nonunion Wage Differential," at Syracuse University, January 14, 1997, and at the New York Fed, May 14, 1997.

"Efficiency Results of MLE and GMM Estimation with Sampling Weights," at Syracuse University, April 22, 1997.

"Improving Value-at-Risk Estimates by Combining Kernel Estimation with Historical Simulation" (with Barry Schachter), l'École des Hautes Études Commerciales, Montréal, March 31, 1999.

**Application Review:**

The National Institutes of Health, Biobehavioral and Social Sciences Initial Review Group, Social Sciences and Population Study Section, October 23, 1997

U.S. Department of Homeland Security Center of Excellence for Risk Analysis Related to the Economic Consequences of Terrorism Review, October 2003.

**Refereeing:**

American Economic Review  
 American Journal of Agricultural Economics  
 American Sociological Review  
 Demography  
 German Economic Review  
 IIE Transactions  
 Industrial and Labor Relations Review  
 Journal of the American Statistical Association  
 Journal of Applied Econometrics  
 Journal of Business and Economic Statistics  
 Journal of Econometrics  
 Journal of Financial Research  
 Journal of Futures Markets  
 Journal of Human Resources  
 Journal of Macroeconomics  
 Labour Economics  
 Medical Care



Review of Economics and Statistics  
 Review of Financial Economics  
 Review of Financial Studies  
 Studies in Economic Analysis

#### Work Experience:

Professor, Martin School of Public Policy and Administration, University of Kentucky, December 2003 -  
 Professor, Division and Department of Pharmacy Practice and Science, University of Kentucky, June 2003 –  
 December 2007  
 Professor of Policy Analysis and Management, Cornell University, July 1999 - June 2003.  
 Visiting Professor of Policy Analysis and Management, Cornell University, June 1999.  
 Research Associate, Center for Policy Research, and Visiting Professor of Economics, Department of Economics,  
 Maxwell School of Citizenship and Public Affairs, Syracuse University, September 1996 - August 1997.  
 Professor of Economics, Vanderbilt University, September 1996 - July 1999  
 Visiting Associate Professor, Center for Policy Research, Maxwell School of Citizenship and Public Affairs,  
 Syracuse University, June 1995 - July 1995.  
 Industry Economist, Commodity Futures Trading Commission, July 1991 - December 1991.  
 Visiting Professor, Sonderforschungsbereich 186 (Statuspassagen und Risikolagen im Lebensverlauf), Zentrum für  
 Sozialpolitik, Universität Bremen, Fall 1989  
 Visiting Professor, Deutsches Institut für Wirtschaftsforschung, Berlin, August 1989  
 Visiting Professor, Sonderforschungsbereich 3 (Mikroanalytische Grundlagen der Gesellschaftspolitik), J. W.  
 Goethe-Universität Frankfurt, August 1989  
 Associate Professor of Economics, Vanderbilt University, September 1988 - August 1996  
 Senior Fellow, Vanderbilt Institute for Public Policy Studies, Division of Mental Health, September 1988 -  
 Honorary Fellow, Institute for Research on Poverty, University of Wisconsin, August-December 1986.  
 Honorary Fellow, Institute for Research on Poverty, University of Wisconsin, June-July 1985.  
 Assistant Professor of Economics, Vanderbilt University, September 1982-August 1988.  
 Research Economist, Mathematica Policy Research, Inc., Princeton, New Jersey, July - August 1982.  
 Research Analyst, Mathematica Policy Research, Inc., Princeton, New Jersey, July 1981 - July 1982.  
 Research Associate, Mathematica Policy Research, Inc., August 1979 - June 1981.  
 Research Assistant to Peter D. McClelland, Department of Economics, Cornell University, June 1977 - May 1978.  
 Teaching Assistant, Department of Economics, Cornell University, August 1976 - May 1977.  
 Research Assistant to Peter M. Mieszkowski, Department of Economics, University of Houston, June 1976 -  
 August 1976.  
 Teaching Assistant, Department of Economics, University of Houston, September 1975 - May 1976.

#### Award:

Outstanding Graduate Teacher Award, College of Arts and Science, Vanderbilt University, 1991.

#### Fellowships:

Cornell Continuing Fellowship, Cornell University, September 1978 - May 1979.  
 McVoy Fellowship, Cornell University, September 1977 - May 1978.

#### Service:

Martin School of Public Policy and Administration, University of Kentucky

Director of Graduate Studies, Ph.D. program, November 2008-June 2010

Graduate School, University of Kentucky

Faculty Senate, University of Kentucky, September 2011-August 2014

College of Pharmacy, University of Kentucky

Chair, Ad Hoc Practice Plan Review Committee, December 2003-May 2004.

Department of Pharmacy Practice and Science, University of Kentucky

Clinical Research Curriculum Award Grant K30 HL04163: Mentor of Professor Melody Ryan on  
“Analysis of Pharmaceutical Manufacturer Patient Assistance Programs”, December 2003  
Search committee, Epidemiology, September 2004-2005