

R. Carter Hill

Ourso Family Professor of Econometrics and
Thomas Singletary Business Partnership Professor of Economics
E. J. Ourso College of Business

Contact Information

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Louisiana State University
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Professional Interests

Research: Econometric theory, methods and applications

Teaching: Econometrics

Academic Background

Ph.D. University of Missouri, Columbia, MO, Economics, 1975
M.A. Western Illinois University, Macomb, IL, Economics, 1971
B.A. Duke University, Durham, NC, Economics, 1967

Employment History

2007: Ourso Family Professor of Econometrics, Louisiana State University.
2000-2003: Chair of Economics Department, Louisiana State University
1999-2000: Marjory B. Ourso Center for Excellence Teaching Professor, Louisiana State University.
1994-1998: Mack H. Hornbeak Distinguished Professor of Business Administration, Louisiana State University.
1991-1994: Coca-Cola Inc. Business Partnership Professor of Economics, Louisiana State University.
1985: Professor of Economics, Louisiana State University
1980: Associate Professor of Economics, University of Georgia
1975: Assistant Professor of Economics, University of Georgia
1967-1970: High School Teacher, Economics and Mathematics, Park Forest, IL

Awards

2009: Excellence in Teaching Award, E. J. Ourso College of Business, Louisiana State University
2008: Excellence in Teaching Award, Graduate Category, Department of Economics, Louisiana State University.
2004: Tiger Athletic Foundation Excellence in Teaching Award, Louisiana State University.
2004: Excellence in Teaching Award, Undergraduate Category, Economics Department, Louisiana State University.
2002: Excellence in Teaching Award, Graduate Category, Economics Department, Louisiana State University.
2000: Excellence in Teaching Award, Graduate Category, Economics Department, Louisiana State University.
1997: LSU Foundation Distinguished Faculty Teaching Award, Louisiana State University.
1996: E.J Ourso College of Business Administration Most Valuable Player, Louisiana State University.
1996: Excellence in Teaching Award, Graduate Category, Economics Department, Louisiana State University.
1994: Tiger Athletic Foundation Excellence in Teaching Award, Louisiana State University.
1994: Excellence in Teaching Award, Graduate Category, Economics Department, Louisiana State University.
1992: Excellence in Graduate Teaching Award, Economics Department, Louisiana State University.

1991: Excellence in Graduate Teaching Award, Economics Department, Louisiana State University.
1990: Excellence in Teaching Award, Economics Department, Louisiana State University.
1989: LSU Alumni Association Distinguished Faculty Award, Louisiana State University.
1986: Outstanding Teacher Award, College of Business, Louisiana State University.
1986: Excellence in Teaching Award, Economics Department, Louisiana State University.
1978: Outstanding Graduate Teacher Award in Economics, University of Georgia.

Current Teaching

Graduate level: Econometric Methods, Econometric Methods, Microeconometrics
Undergraduate level: Introduction to Econometrics

Other Professional Experience

Visiting Scholar, Lappeenranta University of Technology, Lappeenranta, Finland, May 2009
Visiting Instructor, Lappeenranta University of Technology, Lappeenranta, Finland, May 2007
Visiting Research Scholar, University of Melbourne, Australia, March-May 2006
Consultant. During September, 2003. Z-tel Consulting. Preparing testimony for FCC.
Consultant. During February-April, 1999 for MCI. Prepare rebuttal to NERA filing with FCC.
Guest instructor at Swedish School of Economics and Finance and the Helsinki School of Economics and Finance.
Helsinki and Vassa, Finland, July-August, 1996.
Consultant. During 1988-1993 for Nielsen Marketing Research. Applied shrinkage estimators to price promotion models.
Consultant. During 1985 for ATT. Examined the feasibility of using existing state econometric models to examine the impact of the FCC access charge plan.
Visiting Research Fellow, Department of Econometrics, University of New England, Armidale, NSW, Australia, July-August, 1984
Staff Member. Department of Agricultural Economics, University of Georgia, Summers of 1982, 1983 and 1984. Development, specification and estimation of a simultaneous equations model of field crop supply response in Georgia.
Consultant. During 1983 served as a consultant to Georgia Power as an expert witness in rate hearing before the Public Service Commission.
Consultant. During 1981 served as a consultant to Georgia Power. Aided empirical work used in testimony before ICC.
Consultant. During 1979 and 1980 served as a consultant to Georgia Power Company. Constructed model to aid in load shape forecasting.
Consultant. Summer 1978. Developed methodology for examination of the dynamic properties of the Canadian econometric model of the agricultural sector for Agriculture Canada.
Consultant. During 1977-78 served as a consultant to the Southern Company of Birmingham, AL. Aided in the construction of a statistical model for hourly household demand for electricity.
Research Associate. Department of Agricultural Economics, University of Missouri, Summer 1977. USDA-ERS funded project to examine Feedgrain-Livestock Models.
Research Assistant. University of Missouri. Summer, 1975. Involved in construction of an Energy Model for the State of Missouri and projection of supplies and demands for energy.

Refereed Articles

- Niedrich, R. W., Weathers, D., Hill, R. C., & Bell, D. R. (in press, 2009). Specifying Price Judgments with Range-Frequency Theory in Models of Brand Choice. *Journal of Marketing Research*.
- Tabakova, V. A. & Hill, R. C. (2007). Risk Properties of a Stein-Like Estimator for the Conditional Logit Model. *E-Journal of Business and Economic Issues*, 3 (3).
- Campbell, R. C. & Hill, R. C. (2006). Imposing parameter inequality restrictions using the principle of maximum entropy. *Journal of Statistical Computation and Simulation*, 76 (11), 985-1000.
- Griffiths, W. E., Hill, R. C., & O'Donnell, C. J. (2006). A Comparison of Bayesian and Sampling Theory Inferences in a Probit Model. *Berkeley Electronic Press*.
- Beard, T. R., Saba, R. P., Ford, G. S., & Hill, R. C. (2005). Fragmented Duopoly: A Conceptual and Empirical Investigation. *Journal of Business*, 78 (6), 2377-2396.
- Beard, T. R., Ford, G. S., Hill, R. C., & Saba, R. (2005). The Flow Through of Cost Changes in Competitive Telecommunications: Theory and Evidence. *Empirical Economics*, 30 (3), 555-573.
- Campbell, R. C. & Hill, R. C. (2005). A Monte Carlo Study of the Effect of Design Characteristics on the Inequality Restricted Maximum Entropy Estimator. *Review of Applied Economics*, 1 (1), 53-84.
- Ressler, R. W., Waters, M. S., Hill, R. C., & Watson, J. K. (2005). Welfare Payments and the Spread of HIV in the United States. *Contemporary Economic Policy*, 23 (1), 40-49.
- Adkins, L. C., Kreibel, T., & Hill, R. C. (2000). Using Cointegration Restrictions to Improve Inference in Vector Autoregressive Systems. *Review of Quantitative Finance and Accounting*, 14, 193-208.
- Martin, B. & Hill, R. C. (2000). Loan Performance and Race. *Economic Inquiry*, 38(1), 136-150.
- Campbell, R.C. & Hill, R. C. (1999). Predicting Multinomial Choices Using Maximum Entropy. *Economics Letters*, 64(3), 263-269.
- Chi, Y., Luzar, E. J., & Hill, R. C. (1999). An Expenditure Analysis of Residential Nonconsumptive Wildlife Recreation. *Journal of Outdoor Recreation Study*, 12(4), 1-19.
- Chi, Y., Luzar, E. J., & Hill, R. C. (1999). Nonresidential Expenditure Analysis of Nonconsumptive Wildlife Recreation. *Quarterly Journal of Chinese Forestry*, 32(2), 199-215.
- Hill, R. C., Sirmans, C. F., & Knight, J. R. (1999). A Random Walk Down Main Street. *Regional Science and Urban Economics*, 29, 89-103.
- Kleit, A., Pierce, M., & Hill, R. C. (1998). Environmental Protection, Agency Motivations, and Rent-Extraction: The Regulation of Water Pollution in Louisiana. *Journal of Regulatory Economics*, 13, 121-137.
- Hill, R. C., Cartwright, P., & Arbaugh, J. (1997). Jackknifing the Bootstrap: Some Monte Carlo Evidence. *Communications in Statistics - Simulation and Computation*, 26, 125-140.
- Hill, R. C., Knight, J., & Sirmans, C. F. (1997). Estimation of Capital Asset Price Indexes. *Review of Economics and Statistics*, May, 226-233.
- Hill, R. C., Cartwright, P., & Arbaugh, J. (1996). Bootstrapping Estimators for Seemingly Unrelated Regressions. *Journal of Statistical Computation and Simulation*, 54, 177-196.
- Deis, D. & Hill, R. C. (1995). An Application of the Bootstrap Method to the Simultaneous Equations Model of the Demand and Supply of Audit Services. *Contemporary Accounting Research*, 15(1), 83-99.
- Kim, M. & Hill, R. C. (1995). Shrinkage Estimation in Nonlinear Regression. *Journal of Econometrics*, 66, 1-35.
- Waters, M. & Hill, R. C. (1995). Estimation of a Simultaneous Equations Model with an Ordinal Endogenous Variable. *Journal of Economics and Finance*, 19(2), 45-63.
- Hill, R. C. (1994). The Statistical Properties of the Equity Estimator. *Journal of Business and Economic Statistics*, 12, 141-149.

- Hill, R. C. & Cartwright, P. (1994). The Statistical Properties of the Equity Estimator: Rejoinder. *Journal of Business and Economic Statistics*, 12, 155.
- Waters, M. S., Moore, W. J. , Newman, R. J. , & Hill, R. C. (1994). A Simultaneous Equations Model of the Relationship between Public Sector Bargaining Legislation and Unionization. *Journal of Labor Research*, 15, 355-372.
- Hill, R. C., Knight, J. R. , & Sirmans, C. F. (1993). Estimation of Hedonic Housing Price Models Using Non-Sample Information: A Monte Carlo Study. *Journal of Urban Economics*, 34, 319-346.
- Kim, M. & Hill, R. C. (1993). General Transformation-of-Variables in Regression. *Empirical Economics*, 18, 307-319.
- Knight, J. R., Hill, R. C. , & Sirmans, C. F. (1993). Stein-Rule Estimation in Real Estate Appraisal. *The Appraisal Journal*, 61, 539-544.
- Knight, J. R., Hill, R. C. , & Sirmans, C. F. (1992). Biased Prediction of Housing Values. *Areuea Journal*, 20, 427-456.
- Hill, R. C., Cartwright, P., & Arbaugh, J. (1991). The Use of Biased Predictors in Marketing Research. *International Journal of Forecasting*, 7, 271-282.
- Adkins, L., Russell, B., & Hill, R. C. (1991). A Primer on the Use of Canonical Forms and Transformation in the Linear Regression Model. *American Economist*, 35, 40-51.
- Adkins, L. C. & Hill, R. C. (1990). The RLS Positive-Part Stein Estimator. *American Journal of Agricultural Economics*, 73, 727-730.
- Hill, R. C. & Adkins, L. C. (1990). An Improved Confidence Ellipsoid for the Linear Regression Model. *Journal of Statistical Computation and Simulation*, 36, 9-18.
- Hill, R. C. & Judge, G. G. (1990). Improved Estimation Under Collinearity and Squared Error Loss. *Journal of Multivariate Analysis*, 32, 296-312.
- Judge, G. G., Hill, R. C., & Bock, M. E. (1990). An Adaptive Empirical Bayes Estimator of the Multivariate Normal Mean Under Quadratic Loss. *Journal of Econometrics*, 44, 189-213.
- Adkins, L. C. & Hill, R. C. (1989). Risk Characteristics of a Stein-Like Estimator for the Probit Regression Model. *Economics Letters*, 30, 19-26.
- Koray, F. & Hill, R. C. (1988). Money, Debt and Economic Activity. *Journal of Macroeconomics*, 10, 351-370.
- Griffiths, W. E., Hill, R. C., & Pope, P. (1987). Small Sample Properties of Probit Model Estimators. *Journal of the American Statistical Association*, 82, 929-937.
- Hill, R. C. & Judge, G. G. (1987). Improved Prediction in the Presence of Multicollinearity. *Journal of Econometrics*, 35, 83-100.
- Fomby, T. B. & Hill, R. C. (1986). The Relative Efficiency of a Robust Generalized Bayes Estimator in a Linear Regression Model with Multicollinearity. *Economics Letters*, 22, 33-38.
- Gist, J. & Hill, R. C. (1984). Distributive Politics and Bureaucratic Incentives in the Allocation of Urban Development Action Grants. *Journal of Urban Economics*, 16, 158-172.
- Hill, R. C. & Ziemer, R. (1984). The Risk of Stein-Like Estimators in the Presence of Multicollinearity. *Journal of Econometrics*, 25, 205-216.
- DeLorme, C. D., Hill, R. C. , & Wood, N. J. (1983). The Determinants of Voting by Workers in NLRB Representation Elections. *Atlantic Economic Journal*, 11, 58-63.
- Hill, R. C. & Ziemer, R. (1983). Missing Regressor Values Under Conditions of Multicollinearity. *Communications in Statistics, Theory, and Methods*, 12, 2557-2573.
- Hill, R. C. & Ziemer, R. (1982). Small Sample Performance of the Stein-Rule in Nonorthogonal Designs. *Economics Letters*, 10, 285-292.
- Ziemer, R. & Hill, R. C. (1982). The Application of Generalized Ridge and Stein-Like General Minimax Rules to Multicollinear Data. *Communications in Statistics, Theory, and Methods*, 11, 623-638.

- Ziemer, R., Musser, W., White, F., & Hill, R. C. (1982). Sample Selection Bias in Analysis of Consumer Choice. *Water Resources Research*, 18, 215-219.
- DeLorme, C. D., Hill, R. C., & Wood, N. J. (1981). The Determinants of Voting Behavior by the National Labor Relations Board on Unfair Labor Practice Cases: 1955-1975. *Public Choice*, 37, 207-218.
- Gist, J. R. & Hill, R. C. (1981). The Economics of Choice in the Allocation of Federal Grants: An Empirical Test. *Public Choice*, 36, 63-73.
- Hill, R. C., Ziemer, R., & White, F. (1981). Mitigating the Effects of Multicollinearity Using Exact and Stochastic Restrictions: The Case of an Aggregate Agricultural Production Function: Comment. *American Journal of Agricultural Economics*, 63, 298-300.
- Hunt, J. C., Hill, R. C., & DeLorme, C. D. (1981). The Effect of the U.S. Tax System on a Wife's Choice Between Market and Home Production. *Industrial and Labor Relations Review*, 34, 426-432.
- Ziemer, R. & Hill, R. C. (1981). Principal Components and Stein-Like Estimation. *Canadian Journal of Agricultural Economics*, 29, 243-246.
- Hill, R. C., Judge, G. G., & Fomby, T. B. (1980). On Testing the Adequacy of the Regression Model: A Reply. *Technometrics*, 22, 127-128.
- Ziemer, R., Musser, W., & Hill, R. C. (1980). Recreation Demand Equations: The Effect of Functional Form on Consumer Surplus. *American Journal of Agricultural Economics*, 62, 136-141.
- DeLorme, C. D., Hill, R. C., & Wood, N. J. (1979). An Analysis of a Quantitative Approach to Faculty Salaries. *Journal of Economic Education*, 11, 20-25.
- Fomby, T. B. & Hill, R. C. (1979). Multicollinearity and the Minimax Conditions of the Bock Stein-Like Estimator. *Econometrica*, 47, 211-212.
- Goodwin, R., Hill, R. C., & Sowell, C. (1979). An Econometric Model of Household Electricity Demand. *Journal of Economics*, 5, 116-121.
- Hill, R. C. & Fomby, T. B. (1979). Multicollinearity and the Value of a priori Information. *Communications in Statistics, Theory, and Methods, Series A*, 8, 477-486.
- Fomby, T. B., Hill, R. C., & Johnson, Stanley R. (1978). An Optimality Property of Principal Components Regression. *Journal of the American Statistical Association*, 33, 191-193.
- Hill, R. C. & Fomby, T. B. (1978). Deletion Criteria for Principal Components Regression Analysis. *American Journal of Agricultural Economics*, 60, 524-527.
- Hill, R. C., Judge, G. G., & Fomby, T. B. (1978). On Testing the Adequacy of the Regression Model. *Technometrics*, 20, 491-494.
- Hill, R. C. & Johnson, S. R. (1978). Principal Components and Restricted Least Squares-An Alternative Perspective. *American Economist*, 22, 35-39.
- Hill, R. C., Fomby, T. F., & Johnson, S. R. (1977). Component Selection Norms for Principal Components Selection. *Communications in Statistics, Theory, and Methods, Series A*, 6, 309-334.
- Hill, R. C. & Johnson, S. R. (1976). Alternative Parameterizations for Principal Components Estimation and Restricted Least Squares. *Journal of Economics*, 11, 65-68.

Papers Under Review

- Al-Azzam, M., Sarangi, S., & Hill, R. C. (2008). "Repayment Performance in Group Lending: Evidence from Jordan," revised and resubmitted to *Journal of Development Economics*.
- Ressler, R. W., Waters, M. S., & Hill, R. C. (2008). "Welfare Reform and the Spread of HIV" *Applied Economics*.
- Chmelarova, V. & Hill, R. C. (2008). "The Hausman Pretest Estimator," *Economics Letters*.

Working Papers

- Chmelarova, V. & Hill, R. C. (2008). "The Hausman Test Under Heteroskedasticity" targeted for *Journal Of Statistical Computation And Simulation*.
- Tong, Zeng and Hill, R.C. (2009) "Pretest Estimation in the Random Parameters Logit Model"

Refereed Book Chapters

- Rambaldi, A., Hill, R. C. , & Doran, H. (2004). Predicting Incomplete Observations in Unbalanced Panels: A Kalman Filter Approach. *Contemporary Issues in Economics and Econometrics: Theory and Application*.
- Hill, R. C., Adkins, L. C , & Bender, K. A. (2003). Test Statistics and Critical Values in Selectivity Models. *Advances in Econometrics*.
- Hill, R. C. & Adkins, L. C. (2001). Collinearity. *Companion to Theoretical Econometrics*.
- Adkins, L. C. & Hill, R. C. (1996). Using Prior Information in the Probit Model: Empirical Risks of Bayes, Empirical Bayes and Stein Estimators. *Bayesian Statistics and Econometrics: Essays in Honor of Arnold Zellner*.
- Hill, R. C. & Fomby, T. B. (1992). The Effects of Extrapolation on Biased Predictors. *Readings in Econometric Theory and Practice: A Volume in Honor of George Judge*.
- Fomby, T. B. & Hill, R. C. (1988). Small-Sigma Approximations and the Minimality of Stein-Rules Under Non-Normality. *Advances in Econometrics*.
- Hill, R. C. (1987). Modeling Multicollinearity and Extrapolation in Monte Carlo Experiments on Regression. *Advances in Econometrics*.
- Hill, R. C. & Fomby, T. B. (1986). Improved Confidence Sets in a Non-Utopian Setting. *Advances in Econometrics*.

Books

- Briand, G. & Hill, R. C. (2009). *Using Excel 2007 for Principles of Econometrics*. John Wiley and Sons.
- Hill, R. C. & Campbell, R. C. (2009). *Using SAS for Econometrics* (under review).
- Adkins, L. C. & Hill, R. C. (2007). *Using Stata for Principles of Econometrics, Third Edition*, New York: John Wiley and Sons, Inc. .
- Griffiths, W. E., Hill, R. C. , & Lim, G. C. (2007). *Using EViews for Principles of Econometrics, Third Edition*, New York: John Wiley and Sons .
- Hill, R. C., Griffiths, W. E. , & Lim, G. C. (2007). *Principles of Econometrics, 3rd Edition*, New York: John Wiley and Sons, Inc. .
- Gutermuth, K. & Hill, R. C. (2001). *Using Excel for Undergraduate Econometrics* John Wiley & Sons, Inc. .
- Hill, R. C., Griffiths, W. E. , & Judge, G. G. (2001). *Undergraduate Econometrics, 2nd Edition* John Wiley & Sons, Inc. .
- Reiman, M. & Hill, R. C. (2001). *Using EViews for Undergraduate Econometrics* John Wiley & Sons, Inc. .
- Hill, R. C., Griffiths, B., & Judge, G. (1997). *Undergraduate Econometrics*, New York: John Wiley & Sons, Inc. .
- Griffiths, W. E., Hill, R. C., & Judge, G. G. (1993). *Learning and Practicing Econometrics* John Wiley & Sons, Inc. .
- Hill, R. C. (1993). *Learning SAS: A Computer Handbook for Econometrics* John Wiley & Sons, Inc.
- Hill, R. C. (1989). *Learning Econometrics Using GAUSS* John Wiley & Sons, Inc.
- Judge, G. G., Hill, R. C., Griffiths, W., Lütkepohl, H., & Lee, T. C. (1988). *Introduction to the Theory and Practice of Econometrics, 2nd Edition* John Wiley & Sons, Inc. .
- Judge, G. G., Griffiths, W. E. , Hill, R. C., Lütkepohl, H., & Lee, T. C. (1985). *The Theory and Practice of Econometrics, 2nd Edition* John Wiley & Sons, Inc. .
- Fomby, T., Hill, R. C., & Johnson, S. R. (1984). *Advanced Econometric Methods* Springer-Verlag .

Judge, G. G., Hill, R. C., Griffiths, W. E., Lütkepohl, H., & Lee, T. (1982). Introduction to the Theory and Practice of Econometrics John Wiley & Sons, Inc. .

Judge, G. G., Griffiths, W. E., Hill, R. C., Lütkepohl, H., & Lee, T. C. (1980). The Theory and Practice of Econometrics John Wiley & Sons, Inc. .

Book Supplements

Griffiths, W. E., Hill, R. C., Lim, G. C., & Wong, S. S. (2008). Instructor's Manual. Principles of Econometrics, 3e, (pp. 445). New York: John Wiley and Sons.

Ogunc, A. K. & Hill, R. C. (2007). Using Excel for Principles of Econometrics, Third Edition. Principles of Econometrics, 3rd Edition, (pp. 238). New York: John Wiley and Sons.

Griffiths, W. E., Hill, R. C., & Marsh, L. C. (1997). Instructors Resource Guide to Accompany Undergraduate Econometrics. Undergraduate Econometrics.

Judge, G. G., Hill, R. C., Griffiths, W. E., Lütkepohl, H., & Lee, T. C. (1988). Instructor's Manual to Accompany Introduction to the Theory and Practice of Econometrics, 2nd Edition. Introduction to the Theory and Practice of Econometrics, 2nd Edition.

Advances in Econometrics: Series co-editor since 1996

Advances in Econometrics, Volume 23, Bayesian Econometrics, Edited by Siddhartha Chib, William Griffiths, Gary Koop, and Dek Terrell, Emerald Publishing, 2008

Advances in Econometrics, Volume 22, Econometrics and Risk Management, Edited by Jean-Pierre Fouque, Thomas B. Fomby, and Knut Solna, Emerald Publishing, 2008

Advances in Econometrics, Volume 21, Modelling and Evaluating Treatment Effects in Econometrics, Edited by Daniel L. Millimet, Jeffrey A. Smith, and Edward J. Vytlačil, Elsevier Science, 2008

Advances in Econometrics, Volume 20, Part A, Econometric Analysis of Financial and Economic Time Series, Edited by Dek Terrell and Thomas B. Fomby, Elsevier Science, 2008.

Advances in Econometrics, Volume 20, Part B, Econometric Analysis of Financial and Economic Time Series, Edited by Thomas B. Fomby and Dek Terrell, Elsevier Science, 2006

Advances in Econometrics, Volume 19, Applications of Artificial Intelligence in Finance and Economics, Edited by Jane M. Binner, Graham Kendall, and Shu-Heng Chen, Elsevier Science, 2004

Advances in Econometrics, Volume 18, Spatial and Spatiotemporal Econometrics, Edited by James P. LeSage, and R. Kelley Pace, Elsevier Science, 2004

Advances in Econometrics, Volume 17: Maximum Likelihood Estimation of Misspecified Models: Twenty Years Later, edited by Thomas B. Fomby and R. Carter Hill, Elsevier Science, 2003

Advances in Econometrics, Volume 16, Econometric Models in Marketing, edited by Philip Hans Frances, Alan L. Montgomery, Elsevier Science, 2002

Advances in Econometrics, Volume 15, Nonstationary Panels, Panel Cointegration, and Dynamic Panels, edited by Badi H. Baltagi, Thomas B. Fomby and R. Carter Hill, Elsevier Science, 2000

Advances in Econometrics, Volume 14, Applying Kernel and Nonparametric Estimation to Economic Topics, edited by Thomas B. Fomby and R. Carter Hill, JAI press, 2000.

Advances in Econometrics, Volume 13, Messy Data: Missing Observations, Outliers and Mixed Frequency Data, edited by Thomas B. Fomby and R. Carter Hill, 1998, JAI press, 1998.

Advances in Econometrics, Volume 12, Applying Maximum Entropy to Econometric Problems, edited by Thomas B. Fomby and R. Carter Hill, 1997, JAI press, 1997.

Advances in Econometrics, Volume 11B, Bayesian Methods Applied to Time Series Analysis, edited by Thomas B. Fomby, JAI press, 1996.

Advances in Econometrics, Volume 11A, Bayesian Computational Methods and Applications, edited by R. Carter Hill, JAI press, 1996.

Papers and Workshops Presented

“Ridge Regression and Generalized Restricted Least Squares,” presented at the Kansas-Missouri Seminars in Quantitative Economics, Columbia, Missouri, April 1975.

“Alternative Parameterizations for Principal Components Estimation and Restricted Least Squares,” with S. R. Johnson, presented at the Missouri Valley Economic Association Meetings, Tulsa, Oklahoma, March 1976.

“Optimal Prediction with Finite Distributed Lags,” with S. R. Johnson, presented at the Western Economics Association Meetings, San Francisco, California, October 1976.

“The Demand for Money, Risk and Structural Change,” with M. Slovin and M. Sushka, presented at the Southern Economic Association Meetings, New Orleans, Louisiana, October 1977.

“An Alternative Perspective on Functional Form Analysis,” with S. R. Johnson and J. B. Kau, presented at the Econometric Society Meetings, New York, New York, December 1977.

“The Search for Improved Estimators,” presented to the University of Illinois Workshop in Econometrics, Urbana, Illinois, October 1978.

“The Demand for Money, Risk and Structural Change,” with M. Slovin and M. Sushka, presented at the Econometric Society Meetings, Chicago, Illinois, August 1978.

“Multicollinearity and the Search for Improved Estimators,” presented to the Psychology Workshop, University of Georgia, November 1978.

“Social, Economic and Physical Factors and Their Relationship to Household Load Functions,” presented at Public Utilities Seminar Program sponsored by the University of Missouri, October 1978.

“An Econometric Model of Household Electricity Demand,” with C. Sowell and R. Goodwin, presented at a meeting of the Atlanta Chapter of the American Statistical Association, May 1978, and at the Missouri Valley Economic Association Meetings, St. Louis, Missouri, March 1979.

“The Effect of Multicollinearity on Ridge-Like and General Minimax Estimators,” presented at the Management Sciences Workshop, University of South Carolina, April 1979 and presented in the Economics-Agricultural Economics Seminar series, University of Georgia, November 1979.

“The Effect of the U.S. Tax System on a Wife’s Choice Between Market and Home Production,” with J. Hunt and C. DeLorme, presented at the Southern Economics Association Meetings, Atlanta, Georgia, November 1979.

“An Econometric Model of Household Electricity Demand,” presented at the Ecology Institute Workshop, University of Georgia, February 1980.

“Current Topics in Econometrics,” presented at the University of South Carolina Economics Department Annual Retreat, May 1980.

“Almon Distributed Lags and Their Use,” presented to the Research Department, Federal Reserve Bank of St. Louis, September 1982.

“Determinants of Commercial Bank Failures: A Macro-Approach,” with E. Selby, presented at the Southern Finance Association Meetings, Atlanta, Georgia, November 1982.

“Multicollinearity and the Use of Nonsample Information,” American Agricultural Economics Association Econometrics Refresher Course, Purdue University, Lafayette, Indiana, August 3-5, 1983 and presented to the staff at the Agricultural Experiment Station, Griffin, Georgia, December, 1983 and January, 1984.

“The Effects of Multicollinearity on Improved Estimators,” presented to the Economics Department, Miami University, Oxford, Ohio, December 1983.

- "The Risk of General Stein-Like Estimators in the Presence of Multicollinearity," with R. Ziemer, presented to the Department of Econometrics and Operations Research, Monash University, Clayton, VIC, Australia, August 1984; the Department of Statistics, Australian National University, Canberra, ACT, Australia, August 1984; the Faculty of Economic Studies, University of New England, Armidale, NSW, Australia, August 1984; and presented at the 1984 Australian Meetings of the Econometric Society, University of Sydney, Sydney, NSW, Australia, August 1984.
- "A Note on Hedonic Regressions and the Problem of Multicollinearity," with P. Cartwright, Presented at the American Statistical Association Meetings, Philadelphia, Pennsylvania, August 1984.
- "The Effects of Extrapolation on Minimax Stein-Rule Prediction" with T. Fomby, Presented at the North American Summer Econometric Society Meetings, Durham, N.C., June 1986 and American Statistical Association Meetings, Chicago, IL, August 1986.
- "Improved Confidence Ellipsoids for the Linear Regression Model," with L. Adkins, presented at Southern Economic Association Meetings, San Antonio, TX, November, 1988, and Atlantic Economic Society Meetings, Montreal, Canada, October 1989.
- "The Use of Biased Predictors in Marketing Research." with P. Cartwright and J. Arbaugh, presented at International Symposium on Forecasting, Vancouver, B.C., Canada, June, 1989 and American Statistical Association Meetings, Washington, D.C., August, 1989.
- "Use of Aggregate Data to Estimate Micro-Level Parameters Using Shrinkage Estimators," with P. A. Cartwright and J. F. Arbaugh, presented at 1990 Marketing Science Conference, Champaign, IL, March 1990, and American Statistical Association Meetings, Anaheim, CA, August 1990, and ORSA/TIMS Special Interest Conference on New Frontiers in Scanner Research, Los Angeles, CA, January 1991.
- "Biased Prediction of Housing Prices," with C. F. Sirmans and J. R. Knight, presented at American Real Estate and Urban Economics Association Meetings, Washington, D.C., December 1990.
- "A Simultaneous Equations Model of the Relationship Between Public Sector Bargaining Legislation and Unionization," with M. Waters, W. Moore and R. Newman, present at South West Economic Association Meetings, San Antonio, TX, March 1991.
- "Use of Aggregate Data to Estimate Micro-Level Parameters Using Shrinkage Estimators: More Results," with P. A. Cartwright and J. F. Arbaugh, presented at American Statistical Association Meetings, Atlanta, GA, August 1991.
- "The Relationship Between the Extent of Teacher Bargaining and the State Legal Environment: A Simultaneous Model," with M. Waters and W. Moore, presented at Southern Economic Association Meetings, Nashville, TN, November 1991.
- "Estimation of Hedonic Housing Price Models Using Non-Sample Information: A Monte Carlo Study," with J.R. Knight and C.F. Sirmans, presented at Allied Social Sciences Meetings (AREUEA session), New Orleans, LA, January 1992.
- "The Finite Sample Properties of Shrinkage Estimators Applied to Seemingly Unrelated Regressions," with P.A. Cartwright and J.F. Arbaugh, presented at the American Statistical Association Meetings, Boston, MA, August 1992.
- "Shrinkage Estimation in Nonlinear Models: A Survey," with L.C. Adkins and M. Kim, presented at University of Connecticut, Center for Real Estate and at Southern Economic Association Meetings, Washington, D.C., November 1992.
- "Shrinkage Estimation in Nonlinear Models," with L.C. Adkins and M. Kim, presented at the Australasian Meetings of the Econometric Society, Sydney, Australia, July 1993.
- "Stein-Like Estimators Applied to a Logit Model Used in Marketing Research," with P.A. Cartwright and J.F. Arbaugh, presented at the American Statistical Association Meetings, San Francisco, CA, August 1993.
- "Stein Rule Estimation in Real Estate Appraisal," with J.R. Knight and C.F. Sirmans, presented at American Real Estate Society Meetings, Key West, FL, April 1993.

- "Combining Housing Price Index Methodologies: A New Approach," with J.R. Knight and C.F. Sirmans, AREUEA meetings (ASSA), Boston, MA, January 1994.
- "Bootstrapping Estimators for the Seemingly Unrelated Regressions Model," with P.A. Cartwright and J.F. Arbaugh, presented at 1994 Australasian Econometric Society Meetings, Armidale, NSW, Australia, July 13-15, 1994 and at The Real Estate Conference, The University of Connecticut, June 16, 1994.
- "Shrinkage Estimation in Nonlinear Models," with Lee Adkins and Minbo Kim, presented at Western Economic Association Meetings, San Diego, CA, July 5-9, 1995.
- "Improved Estimation of Capital Asset Price Indexes," with J.R. Knight and C.F. Sirmans, presented at Western Economic Association Meetings, San Diego, CA, July 5-9, 1995.
- "Generalized Maximum Entropy Estimation of the Binary Choice Model," with Lee Adkins, Amos Golan and George Judge, presented at Southern Economics Association Meetings, New Orleans, LA, November 18-20, 1995.
- "Improved Estimation of Capital Asset Price Indexes," with John Knight and C.F. Sirmans, presented at Southern Economics Association Meetings, New Orleans, LA, November 18-20, 1995.
- "Hedonic Regression," invited presentation at American Agricultural and Rural Appraiser's Meetings, New Orleans, LA, November 4, 1995.
- "Estimation of Capital Asset Price Indexes," with John Knight and C.F. Sirmans, invited presentation to Econometrics workshop, University of Texas, Austin, TX, March 1, 1995.
- "A Random Walk Down Main Street?" with John Knight and C.F. Sirmans, presented at Center for Real Estate and Urban Studies, University of Connecticut, Storrs, CT. May, 1996; Tulane University Economics Seminar Series, New Orleans, LA, October 1996; West Virginia University Economics Seminar Series, Morgantown, W.V., October 1996. ASSA meetings, January 1997, New Orleans; Financial Management Association International, October 1997, Honolulu, Hawaii.
- "Using Cointegration as Prior Information in Vector Autoregressive Series," with Tim Krehbiel and Lee Adkins, presented at Southern Economics Association Meetings, Washington, D.C., November 23-25, 1996.
- "Test Statistics and Critical Values in Selectivity Models," with Lee C. Adkins and Keith Bender, presented at the Western Economic Association Meetings, Lake Tahoe, Nevada, June 28-July 2, 1998.
- "Econometrics and Economic Analysis," presented to Centre College Economics Society, Danville, KY, January, 1999.
- "A Random Walk Down Main Street and Related Topics," presented to Department of Econometrics, University of New England, Armidale, NSW, Australia, March 1999; School of Banking, New South Wales University, Sydney, Australia, March 1999; Department of Economics, University of Otago, Otago, New Zealand, April, 1999; University of Canterbury, Christchurch, New Zealand, April, 1999.
- "Postsample Forecasting Using Maximum Entropy with Inequality Parameter Restrictions," with Randall C. Campbell, presented at Southern Economic Association meetings, November 2000, Crystal City at Washington National Airport.
- "Test Statistics and Critical Values in Selectivity Models," with Lee C. Adkins and Keith A. Bender, presented at the Southern Economics Association Meetings, New Orleans, November 2002 and at the Advances in Econometrics Conference, Baton Rouge, LA, November 2002
- "A Monte Carlo Study of the Effect of Design Characteristics on the Inequality Restricted Maximum Entropy Estimator," with Randall C. Campbell, Southern Economics Association Meetings, New Orleans, November 2002.
- "Predicting Incomplete Observations in Unbalanced Panels. A Kalman Filtering-Smoothing Approach," with Alicia N. Rambaldi and Howard E. Doran, presented at the Australasian Econometric Society Meetings, Brisbane, Australia, June 2002.
- "Sensitivity of Probit Model Inferences to Alternative Forms of Prior Information," with Bill Griffiths and Chris O'Donnell, invited presentation at "Exploring Frontiers in Applied Economics: A Symposium in Honor of Stanley R. Johnson," Ames, Iowa, October 2003.

- "Imposing Parameter Inequality Restrictions using the Principle of Maximum Entropy," with Randall C. Campbell, Midwest Econometrics Group Meetings, Columbia, MO., October 2003.
- "Welfare Payments and the Spread of AIDS in the United States," with Rand W. Ressler, Melissa S. Waters, and John Keith Watson, presented at Mississippi State University, Starkville, MS, September 2003.
- "Bootstrapping Heteroskedastic Selectivity Models," with Lee C. Adkins, presented at Southern Economic Association Meetings, November 2004, New Orleans, LA.
- "Finite Sample Properties of the Hausman Test," with Viera Chmelarova, presented at Southern Economic Association Meetings, November 2004, New Orleans, LA.
- "Semi-parametric Estimation of Wage Equation," with Kang-Sun Lee and Robert J. Newman, presented at Southern Economic Association Meetings, November 2004, New Orleans, LA.
- "The Effect of Skewed Regressors on the Probit Model," with Asli Ogunc and M. Dek Terrell, presented at Southern Economic Association Meetings, November 2004, New Orleans, LA.
- "Stein-Like Estimation of the Conditional Logit Model," with Vera Tabakova, presented at Southern Economic Association Meetings, November 2004, New Orleans, LA.
- "X-files Econometrics," with Viera Chmelarova and Melissa Waters, presented at Oklahoma State University, April 2005, Stillwater, OK,
- "Quasi-Monte Carlo Experiments for Mixed Logit," with Tong Zeng, presented at Midwest Econometrics Group Meetings, held at Purdue University, September 11-12, West Lafayette, IN

Invited Articles/Reviews

- Hill, R. Carter (1986). Review of Qualitative Choice Analysis. Interfaces. (Invited or not refereed)
- Hill, R. Carter (1984). Review of Recent Advances in Regression Methods. Journal of the American Statistical Association. (Invited or not refereed)

Non Refereed Publications

- Hill, R. Carter (1982). Analysis of Econometric Models with Qualitative Dependent Variables. Congressmen, Constituents and Contributors.
- Hill, R. Carter, Danielsen, A., & Kamerschen, D. (1986). Assessing the Feasibility of Modeling the Economic Impacts Associated with Changing Carrier Access and Customer Line Charges: A Generic Study of the Southern Region. Telecommunications in the Post-Divestiture Era.

Grants

- "An Analysis of Field Crop Supply in Georgia," Hatch Act Proposal (\$106,250).
- "Improved Estimation of Housing Characteristic Demand Models," Real Estate Research Institute, Summer 1986 (\$6,000).
- "The Effects of Multicollinearity on Out-of-Sample Forecasts in a Linear Regression Model," LSU College of Business Research Grant, Summer 1987 (\$6,000).
- "Improved Estimation of Housing Characteristic Demand Models," Real Estate Research Institute, Fall 1987 (\$4,000).
- "Unbiased and Improved Estimators of Loss and Their Application," LSU College of Business Research Grant, Summer 1989, (\$6,000).
- "Stein-Like Shrinkage Estimation of Choice Models," LSU College of Business Research Grant, Summer 1992, (\$6,000).
- "Shrinkage Estimation in Nonlinear Models," LSU College of Business Research Grant, Summer 1993, (\$6000).

"Estimating Capital Price Indexes," LSU Research Council Grant, Summer, 1994, (\$6000)

"Relative Forecast Efficiency of Traditional and Nontraditional Methods for Classifying Individuals into One of Two Populations," LSU Research Council Grant, Summer, 1996 (\$6000).

"A Planning Study for Baton Rouge Community College," with Loren Scott and others, Spring 1997 (\$117,615)

Department Service

1986: Offered workshop in econometrics: Bayesian econometrics.

2006-2009: Organized Professional Development Seminar for Graduate Students: Developing a program for mentoring graduate students, including paper writing, refereeing, presentations and job search

1990-2009: Conducted Teaching Training Program: 9 week seminar in Fall preparing economics graduate students to enter classroom as teachers

1989-1990, 1999-2000: Graduate Advisor

2006-2007: Recruiting Committee for Ourso Chair in Economics and a junior faculty position

1985-1988, 1990-1996, 1998-1999, 2004-2005: Graduate Curriculum Committee

1993: Instruction Committee, Chair

2004-2005: Policy Committee

1985-2008: ODE Advisor

1995-1996, 1998: Coordinator of Economics Teaching Assistants

1996, 1998-1999: Undergraduate Advisory Committee

1995-1997: Computer Committee

1995-1997: Recruiting Committee

College Service

Instructional Support and Development Committee, Chair

1994-1995: Dean Search Committee

1990: Ph.D. Advisory Committee

1990: Board of Regents Fellowship Committee

1991, 1993: Courses and Curriculum Committee

1991: Teaching Award Committee

1993, 1995-1996, 1998: Instruction Committee, Chair

1993, 1995: Executive MBA Advisory Committee

1999: Policy Committee, Chair

1998-1999: Promotion and Tenure Committee

2000-2003: Executive Committee

2005: Policy Committee

2005: Graduate Curriculum Committee

University Service

1985-1987: Faculty Senate Ad Hoc Committee on Computing

1987: Selection Committee for LSU Alumni Federation Distinguished Dissertation Award

1990: University Alumni Awards Fellowship Committee

1998: LSU Alumni Association Distinguished Faculty Award Selection Committee

1999: University Council on Policy Committees

1999-2000: Search committee for Chair of Agricultural Economics

2002-2003 through 2003-2004: University Council on the Status of Women: member and interim co-chair

Service to the Profession

2009: City University of Hong Kong, External reviewer for promotion to Professor (International).

2007: National Research Council, Reviewer for 2006 Assessment of Research Doctorate Programs (National).

2005-2008: Review of Applied Economics, Distinguished Editorial Advisor.

2005-2007: International Journal of Women, Social Justice and Human Rights, Advisory Board Member.

1999-2002: Southern Economic Association, Associate Editor.

Referee service: Communications in Statistics, Journal of Macroeconomics, Quarterly Journal of Business, Southern Economic Journal, National Science Foundation, Journal of Statistical Planning and Inference, Journal of the American Statistical Association, Empirical Economics, Journal of Econometric Theory, Contemporary Economic Policy, Journal of Econometrics, Journal of Business Research, Journal of Economics and Finance, Journal of Economics and Finance, Journal of Real Estate Finance and Economics, Journal of Business and Economic Statistics, Journal of Statistical Computation and Simulation, Econometric Reviews, The Value Examiner, Applied Stochastic Models in Business and Industry, Review of Income and Wealth, Applied Stochastic Models in Business and Industry, Journal of Applied Statistics, Review of Quantitative Finance and Accounting, Journal of Multivariate Analysis, Review of Applied Economics

Dissertations Directed

Randall Goodwin, 1982 (Economics, UGA)

Lee Adkins, 1988 (Economics, LSU)

Minbo Kim, 1990 (Economics, LSU)

Parisun Chantanahom, 1991 (Economics, LSU)

Randall C. Campbell, 1999 (Economics, LSU)

Kang-Sun Lee, 2001 (Economics, LSU)

Asli Ogunc, 2002 (Economics, LSU)

Vera Tabakova, 2005 (Economics, LSU)

Viera Chmelarova, 2007 (Economics, LSU)

Kevin Wang, in progress (Economics, LSU)

Jerome Krief, in progress (Economics, LSU)

Tong Zeng, in progress (Economics, LSU)

Dissertation Committee Member

Hamid Jaradi, 1975 (Economics, UGA)

Direk Patmasiriwat, 1975 (Economics, UGA)

William Mounts, 1976 (Economics, UGA)

Tom Matthew, 1976 (Economics, UGA)

Clifford Sowell, 1976 (Economics, UGA)

Carl Chen, 1977 (Economics, UGA)

Steven Goldstein, 1978 (Finance, UGA)

Roger Robinson, 1978 (Finance, UGA)

John Jahera, 1980 (Economics, UGA)

Stacy Sirmans, 1981 (Finance, UGA)

Rod Ziemer, 1981 (Agricultural Economics, UGA)

Stan Spurlock, 1981 (Agricultural Economics, UGA)

Nathan Garren, 1981 (Agricultural Economics, UGA)

Woon Choi, 1982 (Finance, UGA)

Homayoun Hajiran, 1982 (Economics, UGA)

Ronnie Clayton, 1982 (Finance, UGA)

James Williams, 1982 (Accounting, UGA)

Linda Johnson, 1982 (Real Estate, UGA)

Charlene Chou, 1982 (Agricultural Economics, UGA)

Ronaldo Arrares, 1983 (Agricultural Economics, UGA)

Bruce Borders, 1984 (Forestry, UGA)
John Mbaku, 1985 (Economics, UGA)
Charles Christian, 1985 (Accounting, UGA)
Ken Farr, 1985 (Agricultural Economics, UGA)
Daniel Cote, 1986 (Economics, LSU)
David Hoppenstedt, 1987 (Economics, LSU)
Mary Middleton Martin, 1988 (Accounting, UGA)
Bill Wilhelm, 1988 (Finance, LSU)
John Benjamin, 1988 (Finance, LSU)
Abiodun Ojemakinde, 1989 (Agricultural Economics, LSU)
Melissa Waters, 1989 (Economics, LSU)
Philip Wei, 1989 (Finance, LSU)
John Knight, 1990 (Finance, LSU)
Kris Guidry, 1990 (Finance, LSU)
Ron Horswell, 1990 (QBA, LSU)
Susan Zee, 1991 (QBA, LSU)
Jiang-Hong Lee, 1991 (Sociology, LSU)
Alicia Rambaldi, 1992 (Economics, LSU)
Jenny Sajoto, 1992 (Economics, LSU)
Patricia Fish, 1992 (Economics, LSU)
Cathy Brignac, 1992 (Economics, LSU)
Paul Brockman, 1994 (Finance, LSU)
Bruce Grace, 1995 (Finance, LSU)
Karen Gutermuth, 1996 (Economics, LSU)
Omer Ozcicek, 1996 (Economics, LSU)
Dawood Sultan, 1996 (Sociology, LSU)
Yongli Zhu, 1997 (Agricultural Economics, LSU)
Peter Mitias, 1997 (Economics, LSU)
Yeong-Nain Chi, 1997 (Agricultural Economics, LSU)
Etienne Pracht, 1998 (Economics, LSU)
Rebecca Campbell, 1998 (Economics, LSU)
Kenan Lopcu, 1998 (Economics, LSU)
David Michayluck, 1998 (Finance, LSU)
Carol Dee, 1999 (Accounting, LSU)
Jorge Icabalceta, 1999 (Agricultural Economics, LSU)
Dan Teodorescu, 1999 (Economics, LSU)
Jeanette Tucker, 2000 (Human Ecology, LSU)
Asha Luthra, 2006 (Sociology, LSU)
Amanda Abraham, 2006 (Political Science, LSU)
Adam Lei, 2006 (Finance, LSU)
Petia Stoytcheva, 2006 (Economics, LSU)
Nirmala Devkota, 2008 (Agricultural Economics, LSU)
Joseph Johnston, 2009 (Accounting, LSU)
Jack Yang, 2008 (Finance, LSU)
Mihaela Craioveanu, 2008 (Economics, LSU)
Burak Hurmeydan, 2008 (Economics, LSU)
Tao Ran, 2009 (Agricultural Economics, LSU)
Junyue Xu, in progress (Economics, LSU)
Anca Alecsandru, in progress (Economics, LSU)
Ana Ichim, in progress (Economics, LSU)

M.A. Thesis Committees

Marcia Gibson, 1976 (Economics, UGA)
John Milne, 1980 (Economics, UGA)
Dennis Carr, 1981 (Economics, UGA)
Munin Nichapoke, 1982 (Economics, UGA)
Carole Arruda, 1982 (Economics, UGA)
Tae Won Kim, 1983 (Economics, UGA)
Rong Chen, 1992 (Experimental Statistics, LSU)
Jorge Icabalceta, 1997 (Agricultural Economics, LSU)
Kurtay Ogunc, 1997 (Experimental Statistics, LSU)
Noro Rahelizatono, 1997 (Agricultural Economics)
Silvia Morales, 1998 (Experimental Statistics, LSU)

Revised: October 9, 2009