

## CURRICULUM VITAE

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**Education:** Ph.D. (Economics), University of Virginia, May 1977.  
B.A. (Economics), University of Virginia, June 1969.

**Employment:** Union College, Department of Economics,  
Professor, 1997-present  
Chairperson, 1988-1993  
Associate Professor, 1980-1997  
Assistant Professor, 1974-1980.

University of Virginia, Department of Economics,  
Instructor, 1973-1974.

Board of Governors of the Federal Reserve System,  
Research Assistant, 1969-1970.

**Fields:** Econometrics  
Microeconomic Efficiency Measurement  
Industrial Organization and Regulation

**Publications:**

*The Measurement of Productive Efficiency and Productivity Growth*, edited with Harold O. Fried and C.A. Knox Lovell, New York, Oxford University Press, 2008.

“Accounting for Environmental Effects and Statistical Noise in Data Envelopment Analysis,” with Harold O. Fried, C.A. Knox Lovell, and Suthathip Yaisawarng, *Journal of Productivity Analysis*, 17(1/2), January/March 2002, pp. 157-174.

“The Fisher Z-Transformation: A Method to Test for Value Relevance in International Accounting Research,” with Joan Hollister, *The Journal of Accounting and Finance Research*, Volume 9, Number 3, Summer II, 2001, pp. 1-9.

“Incorporating the Operating Environment into a Nonparametric Measure of Technical Efficiency,” with Harold O. Fried and Suthathip Yaisawarng, *Journal of Productivity Analysis*, 12(3), November 1999, pp. 249-267.

“Productive, Scale and Scope Efficiencies in U.S. Hospital-Based Nursing Homes,” with Harold O. Fried and Suthathip Yaisawarng, *INFOR Special Issue on Evaluating Performance in Public and Service Sector Organizations*, 36(3), August 1998, pp. 103-119.

*The Measurement of Productive Efficiency: Techniques and Applications*, edited with Harold O. Fried and C.A. Knox Lovell, New York: Oxford University Press, 1993.

“Productivity Changes in the U.S. Electric Power Industry,” with J. Douglass Klein and Suthathip Yaisawarng, in *Empirical Studies in Industrial Organization: Essays in Honor of Leonard W. Weiss*, D.B. Audretsch and J.J. Siegfried (eds.), Kluwer Academic Publishers, 1992, pp. 207-236.

**Other Research:**

Fried, Harold O., Schmidt, Shelton S., and Yaisawarng, Suthathip, “The Cost Efficiency of New York State Nursing Homes,” presented at 11<sup>th</sup> European Workshop on Efficiency and Productivity, Pisa, Italy, June 23-26, 2009.

“Technical Efficiency of Public School Districts in New York State,” with David Stone, Class of 2006, Presented at NAPW, New York University, June 27, 2006.

Fried, Harold O., Schmidt, Shelton S., and Yaisawarng, Suthathip “Nursing Home Cost Efficiency in New York State:

Panel Data Including Quality of Care," presented at 8<sup>th</sup> European Workshop on Efficiency and Productivity, Oviedo, Spain, September 25-27, 2003.

SuthathipYaisawarng and Shelton S. Schmidt, "Efficiency in Performing Laparoscopic Cholecystectomy: Evidence from Massachusetts Hospitals," presented at the Seventh European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain.

"A Monte Carlo Comparison of DEA and Stochastic Frontier Estimation," presented at the Atlantic Economic Association's Conference, Washington, D.C., October 12, 1996.

"Average Tariff Rate Changes and U.S. Exports: Is Japan a Special Case?" with E. Dwight Phaup, IIEC Symposium, Radford, Virginia, April 30, 1988.

*Test Items to Accompany Edwin Mansfield's Basic Statistics with Applications*, New York: W.W. Norton, 1986.

"Beta Coefficients and Market Structure," paper presented at the Atlantic Economic Conference, February 10-15, 1980.

"A Monte Carlo Estimation of the Power of Several Tests for Fourth-Order Autocorrelated Regression Disturbances," paper presented at the Western Economic Association Annual Conference, July 17-21, 1979.

"Revenue Forecasting in Public Utility Rate Proceedings: The Case of Telephones," with James M. Kenney and Thomas R. Kershner, paper presented at the Eastern Economic Association Convention, April 27-29, 1978.

"Government Data from the Economist-User's Perspective," paper presented at the New York State Government Documents Task Force Workshop V, May 25-26, 1978.

"Prepared Testimony in the Matter of Case 27100," with Thomas R. Kershner and James M. Kenney, New York State Public Service Commission, June and July 1977.

**Dissertation:**

"An Evaluation of the Full-Cost Theory of Price Determination," unpublished dissertation, University of Virginia, 1977.

**Other  
Professional  
Activities:**

Referee: *Journal of Productivity Analysis, European Journal of Operations Research, Eastern Economic Journal, Computers & Operations Research*, National Science and Engineering Research Council of Canada (NSERC).

Advisory Board, North American Productivity Workshop, Union College, June 20-22, 2002.

Consultant for Robert L. Carnright, Attorney at Law, Saugerties, New York. Appraisal of economic losses to survivors in a wrongful death case, January-May 1988.

Consultant for William J. Werner, Attorney at Law, Schenectady, New York. Appraisal of economic losses to survivors in a wrongful death cases, October 1987 and December 1986.

Consultant, Wyoming Public Service Commission, Evaluate the econometric testimony of witnesses for Mountain State Telephone in rate case, July-August, 1985.

Consultant for John L. Desmond, Attorney at Law, Scotia, New York. Appraisal of economic losses to survivors in a wrongful death case, December 1984.

Consultant, Georgetown Consulting Group. I testified on behalf of the Delaware Public Service Commission regarding Diamond State Telephone Company's models used to demonstrate repression, (Docket 83-12) February 22 and 27, 1984.

College Proficiency Examination Program, New York State Education Department. Along with 4 other statistics professors from across the State, I planned and supervised the development of a proficiency exam that is used for granting college credit in statistics. 1983-84.

Consultant, New York State Commission on State-Local Relations. Developed a computer-based model of Federal-State-Local aid programs. 1982-1983.

Inspector of Elections, General Electric Company. Helped supervise the processing, tabulating, and auditing of the proxy ballots for 1982-1985 Annual Meetings of Share Owners.

Consultant, Schenectady County Board of Representatives.  
"Economic Impact of Proposed Shopping Mall," with E. Dwight  
Phaup, Winter-Spring 1981-82.

Consultant, New York State Temporary State Commission on  
the Real Property Tax, 1979-1982. Determination of the sample  
size for jurisdictions and property classes to yield required  
confidence for mean assessment ratios. Simulation of impact of  
various property tax proposals on the distribution of the tax  
burden.

Consultant, New Jersey Public Advocate's Office, 1981.  
Evaluate testimony of Phoebus J. Dhrymes regarding  
curtailment in residential and business models and prepare  
questions for his cross-examination.

Consultant, Office of Research, New York State Public Service  
Commission, 1977. Testify in Case 27100 concerning New  
York Telephone restriction allowance and revenue forecast.

**References:**

(available upon request)