

JAMES T. McCLAVE, Ph.D.
Chief Executive Officer
Infotech Consulting
2970 SW 50th Terrace
Gainesville, FL 32608-5076
Telephone: 352-381-4400
Fax: 888-972-3680
E-mail: jim.mcclave@infotechinc.com

Areas of Specialization

Statistics, Econometrics, Statistical and Econometric Modeling, Time Series and Regression Analysis, Forecasting, Biostatistics, Antitrust Liability Analysis and Damage Estimation, Employment Discrimination Analysis (Liability and Damages), Calculation of Business Damages, Collusion Detection Software Development and Training.

Professional Background

Chief Executive Officer, Info Tech: Statistical Consulting, Information Systems Software Development, Data Management, Computer Analysis, Litigation Support, Expert Testimony, 1977-Present.

Courtesy Professor, Department of Statistics, College of Liberal Arts and Sciences, University of Florida, 2015-Present.

Adjunct Professor, Business and Economic Statistics, Graduate School of Business, University of Florida, 1989-2014.

Associate Professor, Department of Decision and Information Sciences, University of Florida, 1986-1989.

Associate Professor, College of Business Administration, University of Florida, 1981-1986.

Associate Professor, Department of Statistics, University of Florida, 1977-1981.

Assistant Professor, Department of Statistics, University of Florida, 1973-1977.

Visiting Assistant Professor, Department of Statistics, State University of New York at Buffalo, 1972-1973.

Assistant Professor, Department of Statistics, University of Florida, 1971-1972.

Graduate Teaching Assistant, Department of Statistics, University of Florida, 1966-1971.

Education

1971	Ph.D.	Statistics	University of Florida
1966	B.S.	Physics	Bucknell University

Partial List of Courses Taught

Statistics and Econometric Modeling (TV Course for approximately 1,000 students per term)
Statistics and Econometrics for MBAs
Introduction to Probability and Statistics
Engineering Statistics
Statistics for Computer Sciences
Mathematical Statistics
Statistical Methods for Social Sciences
Statistical Methods for Business
Statistical Methods for Biological Sciences
Applied Time Series Modeling and Forecasting
Stochastic Processes
Advanced Time Series Analysis

Publications

Books

Statistics for Business and Economics, 13th Edition, Pearson, 2018 (with G. Benson and T. Sincich).

A First Course in Business Statistics, 8th Edition, Prentice Hall, 2001 (with G. Benson and T. Sincich).

Statistics, 13th Edition, Pearson, 2017 (with T. Sincich).

A First Course in Statistics, 12th Edition, Pearson, 2017 (with T. Sincich).

Probability and Statistics for Engineers, 4th Edition, Duxbury Press, Wadsworth Publishing Company, 1995 (with R. Scheaffer).

A Second Course in Business Statistics: Regression Analysis, Dellen Publishing Company, 1981 (with W. Mendenhall).

Publications in Refereed Statistics and Economic Journals

Goldberg, J. and McClave, J.T., "The Presentation of Expert Testimony in Price-Fixing Trials." Antitrust, 28(2), 44-50, Spring 2014.

Lanzillotti, R. F. and McClave, J.T., "Comment: Meeting the 'Ambiguity' Test Under *Daubert*." Antitrust, 17(2), 44-48, Spring 2003.

Blair, R.D., Kaserman, D.L., and McClave, J.T., "Competition on Trial: Florida Deregulates Trucking." Challenge, 30(4), 60-64, 1987.

Blair, R.D., Kaserman, D.L., and McClave, J.T., "Motor Carrier Deregulation: The Florida Experiment." The Review of Economics and Statistics, 68, 159-164, 1986.

McClave, J.T. and Tipton, J., "Time Series Modeling: A Comparison of the Maximum Chi-square and Box-Jenkins Approaches." Time Series Analysis: Theory and Practice, 4, 155-161, 1983.

Spreen, T.H., Mayer, R.E., Simpson, J.R., and McClave, J.T., "Forecasting Monthly Slaughter Cow Prices with a Subset Autoregressive Model." Southern Journal of Agricultural Economics, 11, 127-131, 1979.

- Littell, R.C., McClave, J.T., and Offen, W.W., "Goodness of Fit Tests for the Two Parameter Weibull Distribution." Communications in Statistics, B8(3), 257-269, 1979.
- McClave, J.T., "Choosing the Order of a Moving Average Process: The Max Chi-square." Communications in Statistics, A7, 259-276, 1978.
- Wackerly, D.D., McClave, J.T., and Rao, P.V., "Measuring Nominal Scale Agreement Between a Rate and a Known Standard." Psychometrika, 43, 213-223, 1978.
- McClave, J.T., "Choosing the Order of an Autoregressive Process: The Max Chi-square Technique." Journal of the American Statistical Association, 73, 122-128, 1978.
- McClave, J.T. and Marks, R.G., "Predicting Hospital Census Using Time Series Regression Methods." Communications in Statistics, A6 (No. 12), 1187-1206, 1977.
- McClave, J.T., "Subset Autoregression." Technometrics, 17, 213-220, 1975.
- McClave, J.T., "A Comparison of Moving Average Estimation Procedures." Communications in Statistics, 3(9), 865-883, 1974.
- McClave, J.T., "On the Bias of Autoregressive Approximations to Moving Averages." Biometrika, 60, 559-605, 1973.

Other Publications

- Hewitt, C., McClave, J.T., and Sibley, D.S., "Incumbency and Bidding Behavior in the Dallas-Ft. Worth School Milk Market." (Mimeo, University of Texas at Austin) 1993.
- Hodgson, T.J., King, R.E., McClave, J.T., Sullivan, J.H., and Zegel, W.C., "Analysis and Modeling of a Proposed Mining and Beneficiation Process." Industrial and Engineering Chemical Research, 26, 2223-2228, 1987.
- Newman, J.R., Novakova, I.E., and McClave, J.T., "The Influence of Industrial Air Emissions on the Nesting Ecology of the House Martin (*Delichon Urbica*) in Czechoslovakia." Biological Conservation, 31, 229-248, 1985.
- Doering, P.L., Brackbill, Y., McManus, K., Woodward, L., and McClave, J.T., "Prenatal Drugs: Patient Information and its Source." Contemporary Pharmacy Practice, 5(2), 112-119, 1982.
- McClave, J.T., Sullivan, J.H., and Pearson, J.G., "Statistical Analysis of Fish Chronic Toxicity Test Data." Aquatic Toxicology and Hazard Assessment, Proceedings of the Fourth Annual Symposium on Aquatic Toxicology, ASTM, 1981.
- Winchester, B.J., Delotelle, R.S., Newman, J.R., and McClave, J.T., "Ecology and Management of the Colonial Pocket Gopher: A Progress Report." Proceedings of the Rare and Endangered Wildlife Symposium, 1979.
- Rothrock, T.P., McClave, J.T., and Ailstock, J.P., "A Computerized Economic and Statistical Investigation of the Florida School Bread Market." Southeast Antitrust Review, 1, 13-54, 1978.
- McLean, J.E., Ware, W.B., and McClave, J.T., "How Analysis of Covariance Can Yield Misleading Results in Educational Experiments-a Monte Carlo Study." Proceedings of the American Statistical Association, 548-553, 1975.

Expert Testimony

J. Thompson, et al. v. 1-800 Contacts, Inc., et al. U.S. District Court, District of Utah, Central Division; Case No.: 2:16-CV-01183. Testimony in deposition regarding damages and impact analyses for a class action regarding alleged illegal agreements concerning internet advertising. February 7, 2020. Retained by Plaintiffs.

State of West Virginia, ex rel. Patrick Morrissey, Attorney General, and Thomas J. Smith, in his official capacity as Secretary of Transportation and Commissioner of Highways, West Virginia Department of Transportation v. CRH, PLC; Oldcastle, Inc., et al. Circuit Court of Kanawha County, West Virginia, Business Court Division. Civil Action No.: 17-C-41. Testimony in deposition regarding data organization and analysis in a monopolization and price-fixing case. January 24, 2020. Retained by Plaintiffs.

Maria Cummings, et al. v. Board of Regents of the University of New Mexico, et al. Second Judicial District Court, County of Bernalillo, State of New Mexico; Cause No. CV 2001-01409. Testimony at trial regarding development of class-wide damages methodology for alleged failure to provide proper pediatric cancer treatment protocols. December 9-11, 2019. Retained by Plaintiffs.

Maria Cummings, et al. v. Board of Regents of the University of New Mexico, et al. Second Judicial District Court, County of Bernalillo, State of New Mexico; Cause No. CV 2001-01409. Testimony in deposition regarding development of class-wide damages methodology for alleged failure to provide proper pediatric cancer treatment protocols. November 5, 2019. Retained by Plaintiffs.

In re: Automotive Parts Antitrust Litigation; In re: Bearings Cases: Direct Purchaser Actions. U.S. District Court for the Eastern District of Michigan, Southern Division. Case No. 12-MD-02311. Testimony in deposition regarding damages and classwide impact in a price-fixing case. October 30, 2019. Retained by Plaintiffs.

Riverview Recovery a/a/o Jay Marshall v. Geico General Insurance Company. County Court in and for Broward County, Florida. Case No. COCE 16-023067 (56). Testimony in deposition regarding analysis of Geico claims data to determine the prevailing competitive price for windshield repairs. October 25, 2019. Retained by Defendants.

In re: Capacitors Antitrust Litigation: Direct Purchaser Actions. U.S. District Court, Northern District of California. Master File No. 3:14-cv-03264-JD. Testimony in Daubert hearing regarding damages and classwide impact in a price-fixing case. September 16, 2019. Retained by Plaintiffs.

In re: Capacitors Antitrust Litigation: Direct Purchaser Actions. U.S. District Court, Northern District of California. Master File No. 3:14-cv-03264-JD. Testimony in deposition regarding damages and classwide impact in a price-fixing case. June 7, 2019. Retained by Plaintiffs.

State of West Virginia, ex rel. Patrick Morrissey, Attorney General, and Thomas J. Smith, in his official capacity as Secretary of Transportation and Commissioner of Highways, West Virginia Department of Transportation v. CRH, PLC; Oldcastle, Inc., et al. Circuit Court of Kanawha County, West Virginia, Business Court Division. Civil Action No.: 17-C-41. Testimony in deposition regarding data organization and analysis in a monopolization and price-fixing case. May 2, 2019. Retained by Plaintiffs.

Certified Windshield, LLC a/a/o Arnold Mercado-Ramirez v. Geico General Insurance Company. County Court of the 13th Judicial Circuit in and for Hillsborough County, State of Florida. Case No. 13-CC-033727, Division: U. Testimony in deposition regarding statistical analysis of Geico claims data and Plaintiff's survey methodology. March 7, 2019. Retained by Defendants.

Shazam Auto Glass, LLC a/a/o Naomi Hamilton vs. Geico Casualty Company, Geico General Insurance Company, et al. County Court of the 13th Judicial Circuit in and for Hillsborough County, Florida. Case No.: 17-CC-008354, Division: K. Testimony at trial regarding statistical analysis of Geico claims data and Plaintiff's survey methodology. February 12, 2019. Retained by Defendants.

Shazam Auto Glass, LLC a/a/o Naomi Hamilton vs. Geico Casualty Company, Geico General Insurance Company, et al. County Court of the 13th Judicial Circuit in and for Hillsborough County, Florida. Case No.: 17-CC-008354, Division: K. Testimony in deposition regarding statistical analysis of Geico claims data and Plaintiff's survey methodology. February 5, 2019. Retained by Defendants.

Napleton's Arlington Heights Motors, Inc. f/k/a Napleton's Palatine Motors, Inc. d/b/a Napleton's Arlington Heights Chrysler Dodge Jeep Ram, et al. vs FCA US, LLC, a Delaware corporation, and FCA Realty, LLC, a Delaware limited liability corporation f/k/a Chrysler Group Realty Company, LLC. U.S. District Court for the Northern District of Illinois, Eastern Division. Case No.: 1:16-cv-0403. Testimony in Daubert hearing regarding methodology for damages calculations. January 15-16, 2019. Retained by Plaintiffs.

Auto Glass America, LLC a/a/o Neilson Cordero vs. Geico General Insurance Company. County Court of the 13th Judicial Circuit in and for Hillsborough County, State of Florida, General Civil Division. Case No.: 17-CC-19839, Division: M. Testimony at trial regarding statistical analysis of Geico claims data and Plaintiff's survey methodology. December 13, 2018. Retained by Defendants.

Auto Glass America, LLC a/a/o Neilson Cordero vs. Geico General Insurance Company. County Court of the 13th Judicial Circuit in and for Hillsborough County, State of Florida, General Civil Division. Case No.: 17-CC-19839, Division: M. Testimony in deposition regarding statistical analysis of Geico claims data and Plaintiff's survey methodology. November 8, 2018. Retained by Defendants.

Napleton's Arlington Heights Motors, Inc. f/k/a Napleton's Palatine Motors, Inc. d/b/a Napleton's Arlington Heights Chrysler Dodge Jeep Ram, et al. vs FCA US, LLC, a Delaware corporation, and FCA Realty, LLC, a Delaware limited liability corporation f/k/a Chrysler Group Realty Company, LLC. U.S. District Court for the Northern District of Illinois, Eastern Division. Case No.: 1:16-cv-0403. Testimony in deposition regarding methodology for damages calculations. November 7, 2018. Retained by Plaintiffs.

Jose Mendez, Individually and On Behalf of All Others Similarly Situated vs. Avis Budget Group, Inc. d/b/a Budget Rent a Car System, Inc. and Avis Rent a Car System, LLC and Highway Toll Administration, LLC. U.S. District Court, District of New Jersey. Case No.: 2:11-cv-06537-JLL-MAH. Testimony in deposition regarding calculation of damages regarding alleged illegal e-toll charges. November 2, 2018. Retained by Plaintiffs.

In re: Dental Supplies Litigation; All Cases. U.S. District Court for the Eastern District of New York. Case No. 1:16-CV-00696-BMC-GRB. Testimony in deposition regarding econometric analysis of damages and classwide impact in an antitrust class action case. March 21, 2018. Retained by Plaintiffs.

In re: Automotive Parts Antitrust Litigation; In re: Bearings Cases: Direct Purchaser Actions. U.S. District Court for the Eastern District of Michigan, Southern Division. Case No. 12-MD-02311. Testimony in deposition regarding damages and classwide impact in a price-fixing case. December 9, 2017. Retained by Plaintiffs.

G.B., Z.L. Through His Guardian K.L, J.H, and M.R. v. Agency for Persons with Disabilities. State of Florida, Division of Administrative Hearings; Case No. 15-005903RP. Testimony in deposition regarding statistical methodology to determine Florida's Agency for Persons with Disabilities' budget allocations to its clients. December 5, 2017. Retained by Plaintiffs.

Pediatric Nephrology Associates of South Florida v. Variety Children's Hospital, et al. U.S. District Court for the Southern District of Florida. Civil Action No. 16-CIV-24138-UNGARO. Testimony in deposition regarding statistical analysis of referrals in a medical business dispute. August 16, 2017. Retained by Defendant.

In re: Automotive Parts Antitrust Litigation; In re: Bearings Cases: Direct Purchaser Actions. U.S. District Court for the Eastern District of Michigan, Southern Division. Case No. 12-MD-02311. Testimony in deposition regarding damages and classwide impact in a price-fixing case. May 16, 2017. Retained by Plaintiffs.

In re: Capacitors Antitrust Litigation: Direct Purchaser Actions. U.S. District Court, Northern District of California. Master File No. 3:14-cv-03264-JD. Testimony in deposition regarding damages and classwide impact in a price-fixing case. May 9, 2017. Retained by Plaintiffs.

In re: Optical Disk Drive Antitrust Litigation: Alfred H. Siegel v. Sony Corporation, et al.; and Peter Kravitz v. Sony Corporation, et al. U.S. District Court, Northern District of California, San Francisco Division. Case Nos. 3:15-cv-03248 RS, 3:15-cv—06325 RS, Master File No. 3:10-md-2143 RS. Testimony in two depositions regarding damages for an indirect purchaser price-fixing case. March 28 and June 20, 2017. Retained by Plaintiffs.

Rail Freight Fuel Surcharge Antitrust Litigation. U.S. District Court for the District of Columbia; Case No. 1:07-mc-00489-PLF. Testimony at class certification hearing regarding damages methodology. September 28, 2016. Retained by Plaintiffs.

In re: Ductile Iron Pipe Fittings ("DIPF") Indirect Purchaser Antitrust Litigation: State of Indiana, by Attorney General Greg Zoeller v. McWane Inc., Sigma Corporation, and Star Pipe Products, Ltd. U.S. District Court, District of New Jersey. Civil No.: 12-6667 (AET)(LHG). Testimony in deposition regarding indirect purchaser pass-through rates. July 20, 2016. Retained by Plaintiffs.

Americans for Prosperity Foundation, v. Kamala Harris, in her Official Capacity as Attorney General of California. U.S. District Court, Central District of California, Western Division. Case No. 2:14-CV-09448. Testimony at trial regarding analysis of public database for improper disclosure of confidential documents. February 24, 2016. Retained by Plaintiff.

G.B., Z.L. Through His Guardian K.L, J.H, and M.R. v. Agency for Persons with Disabilities. State of Florida, Division of Administrative Hearings; Case No. 15-005903RP. Testimony in deposition regarding evaluation of regression model proposed for use to allocate annual Florida budget for developmentally disabled persons. February 8, 2016. Retained by Plaintiffs.

Duane C. Kohoutek, Inc., et al. v. State of Montana. Montana Eighth Judicial District Court, Cascade County, Cause No: ADV-14-181. Testimony at a hearing regarding analysis of Montana liquor sales data to evaluate damages from alleged improper discount payments. February 4, 2016. Retained by Defendant.

Americans for Prosperity Foundation, v. Kamala Harris, in her Official Capacity as Attorney General of California. U.S. District Court, Central District of California, Western Division. Case No. 2:14-CV-09448. Testimony in deposition regarding analysis of public database for improper disclosure of confidential documents. January 14, 2016. Retained by Plaintiff.

Professional Activities and Awards

Outstanding Alumnus, University of Florida, The College of Liberal Arts and Sciences, 2018.

Entrepreneur of the Year, University of Florida, Center for Entrepreneurship and Innovation, 2005.

Outstanding Alumnus, University of Florida, Department of Statistics, 2002.

University of Florida Committees

University of Florida Center for Entrepreneurship and Innovation, 2002.
University of Florida President's Council, 2001-present.
Business Leaders Forum, 1994-present.
College of Business Undergraduate Curriculum Committee, 1988-1989.
College of Business Teaching Committee, 1987-1988.
College of Business Associate Dean Search Committee, 1987
College of Business and Liberal Arts and Sciences Task Force, 1986-1989.
College of Business Computing Committee, 1986-1989.
University Senate, 1979-1980.
College of Liberal Arts and Sciences Tenure and Promotion Committee, 1978-1979, 1979-1980.
College of Arts and Sciences Curriculum Committee, member 1976-1980.
College of Arts and Sciences Computer Sciences Committee Member, 1973-1976;
Chairman 1974-1975.
Instruction and Research Users Committee, NERDC, member 1974-1975.

Council for Economic Outreach

The Executive Committee (TEC)

Board Member, Gainesville Chamber of Commerce Tech Council

Board Member, Superior Clay Corporation

State of Florida Department of Education Committee

Statewide Common Course Designation and Number Project, Statistics Task Force Member, 1974-1981.

Professional Associations

American Statistical Association
American Bar Association – Associate Member – Section of Antitrust Law
International Association of Assessing Officers
NHCAA, National Health Care Anti-Fraud Association

Invited Teaching/Training Sessions

Market Analysis Training, "Short Course in Computerized Market Analysis and Collusion Detection,"
Gainesville, FL, February 25, 2020.
Market Analysis Training, "Short Course in Computerized Market Analysis and Collusion Detection,"
Gainesville, FL, February 26, 2019.
University of Florida, Warrington College of Business, invited participant on a panel discussing family
businesses. Gainesville, FL, November 27, 2018.
Market Analysts Training, "Short Course in Computerized Market Analysis and Collusion Detection,"
Gainesville, FL, March 1, 2018.

Market Analysts Training, "Short Course in Computerized Market Analysis and Collusion Detection," Gainesville, FL, March 9, 2017.

Regional Decision Support/Market Analysts Workshop, Multi-State Conference on the use of Info Tech software in DOT analyses of competition, Columbus, Ohio, July 11-13, 2016.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 26, 2015.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 13, 2014.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 26-28, 2013.

"Collusion Detection Methods Training," Florida Department of Transportation, September 11-13, 2012.

DSS On-Site Training, Ohio Department of Transportation, August 7-9, 2012.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 27-March 1, 2012.

BAMS/DSS Asphalt/Concrete Analysis Presentation, Minnesota Department of Transportation, October 31, 2011.

BAMS/DSS Asphalt/Concrete Analysis Presentation, Minnesota Department of Transportation, June 26-27, 2011.

BAMS/DSS Market Analysis Presentation, Alabama Department of Transportation, May 16-17, 2011.

"Collusion Detection Methods Training," Montana Department of Transportation, November 8-10, 2010.

"BAMS/DSS Econometric Training," FBI/Office of Inspector General, U.S. Department of Transportation, August 17-18, 2010.

"Collusion Detection Training," Minnesota Department of Transportation, June 9-10, 2010.

"Collusion Detection Training," Kentucky Department of Transportation, March 16-18, 2010.

Ohio BAMS/DSS Econometric Training, Webinar Presentations, May 1, May 15 and June 18, 2008.

"Bid Analysis and Collusion Detection Training," New Mexico Department of Transportation, April 2-3, 2008.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 26-28, 2008.

Competition Analysis, Nebraska Department of Roads, February 12, 2008.

"Dusting for Fingerprints of Collusion," SASHTO presentation, Huntsville, AL, August 5-6, 2007.

"Bid Analysis and Collusion Detection Training," North Carolina Department of Transportation, March 12-15, 2007.

"Bid Analysis and Collusion Detection Training," South Carolina Department of Transportation, March 6-8, 2007.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 27-March 1, 2007.

Asphalt Analysis, Richmond, VA, December 8, 2006.

BAMS/DSS Presentation, Helena, MT, August 16, 2006 and September 17, 2006.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Albany, NY, July 21-25, 2006.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 27-March 3, 2006.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 22-25, 2005.

Guest Lecturer at Penn Law School on "Use of Statistics and Econometrics in Antitrust Litigation," 2004-2005.

"Bid Analysis and Collusion Detection Training," Ohio Department of Transportation, November 16-18, 2004.

"Bid Analysis and Collusion Detection Training," Ohio Department of Transportation, July 11-14, 2004.

"Bid Analysis and Collusion Detection Training," Kentucky Department of Transportation, July 14-16, 2004.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 24-26, 2004.

"Competition Audit," Tennessee Department of Transportation, November 13, 2003.

"Competition Audit," Nebraska Department of Transportation, October 27, 2003.

"Collusion Detection Training," U.S. Department of Agriculture, Kansas City, MO, October 15-16, 2003

"Competition Audit," Ohio Department of Transportation, August 26, 2003.

"Competition Audit," Oregon Department of Transportation, June 4, 2003.

"Collusion Detection Training," Ohio Department of Transportation, April 22-24, 2003.

"Collusion Detection Training," South Carolina Department of Transportation, March 12, 2003.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 25-27, 2003.

"Statistical Methods for Medicare and Medicaid Investigations," University of Florida, Shands Hospital, one-day training in Jacksonville, FL, August 1, 2002.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 20-22, 2001.

"Collusion Detection Training," Ohio Department of Transportation, April 18-20, 2000.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 22-24, 2000.

Missouri BAMS/DSS Data Analysis Presentation, December 13, 1999.

Nebraska BAMS/DSS Data Analysis Presentation, November 1, 1999.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 23-25, 1999.

"Collusion Detection Training," Colorado Department of Transportation, December 7-8, 1998.

"Collusion Detection Training," Texas Department of Transportation, September 1-2, 1998.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 24-26, 1998.

"Collusion Detection Training," Colorado Department of Transportation, December 18-19, 1997.

"Collusion Detection Training," Vermont Department of Transportation, November 4-5, 1997.

"Collusion Detection Training," New Mexico Department of Transportation, June 26-27, 1997.

"Collusion Detection Training," Missouri Department of Transportation, May 1-2, 1997.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, February 4-6, 1997.

"Collusion Detection Training," Indiana Department of Transportation, September 16-17, 1996.

Collusion Detection Training, "Short Course in Computerized Collusion Detection," Gainesville, FL, April 23-25, 1996.

"Collusion Detection Training," Austin, TX, January 31-February 1, 1996.

"Collusion Detection Training," Nebraska Department of Transportation, November 28-30, 1995.

"Statistical Methods for Medicaid Investigations," Medicaid Program Integrity Unit, Florida Health Care Administration. One-half day training in Tallahassee, FL, June 1995.

"Collusion Detection Training," New Mexico State Highway and Transportation Department, September 1994.

"Collusion Detection Using BAMS," BAMS Users' Group Meeting. One-day training course in Columbus, OH, October 1994.

"Collusion Detection Seminar," Connecticut Department of Transportation. One-day training course, December 1993.

"Collusion Detection Seminar," Colorado Department of Transportation. One-day training course, November 1993.

Florida Attorney General. Provided a one-day training seminar to state procurement officials on the use of analytical tools to detect bid-rigging and price-fixing, October 1993.

"Collusion Detection Seminar," Virginia Department of Transportation, One-day training course, February 1993.

United States General Services Administration, Inspector General's Office. Provide training in bid/price analysis and collusion detection, 1992.

California Department of Transportation. Provide training in bid analysis and collusion detection using BAMS, 1992.

- New York City Department of Investigations. Three-day training program conducted on the use of computerized techniques to detect collusive behavior, 1990.
- Florida Attorney General. Provided a one-day training seminar to state procurement officials on the use of analytical tools to detect bid-rigging and price-fixing, 1989.
- Texas Department of Transportation. Three-day training provided to the bid analysis and collusion detection unit on the use of BAMS/DSS for collusion detection in bidding on highway contracts, 1989.
- Virginia Department of Transportation. Three-day training provided to the bid analysis and collusion detection unit on the use of BAMS/DSS for collusion detection in bidding on highway contracts, 1989.
- “Training Session: Use of Computerized Techniques in Bid Monitoring and Collusion Detection,” FHWA Antitrust and Transportation Legal Affairs Meeting, Lake George, NY, November 1989.
- “Market Analysis and Adaptive Estimation Impact on Construction Cost,” BAMS User’s Group, San Antonio, TX, February 1989.
- “BAMS/DSS Collusion Detection Training: An Overview,” BAMS Users’ Group, San Antonio, TX, February 1989.
- Florida Department of Transportation. Three-day training course provided to the bid analysis and collusion detection unit on the use of BAMS/DSS for collusion detection in bidding on highway contracts, 1988.

Invited Presentations

- University of Florida, Levin College of Law, Antitrust Seminar, Guest Lecture: Proof of Damages in Price-Fixing Cases. April 2020.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, November 2019.
- University of Florida, Levin College of Law, Antitrust Seminar, Guest Lecture: Proof of Damages in Price-Fixing Cases. October 2018.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, February 2018.
- University of Florida, Levin College of Law, Antitrust Seminar, Guest Lecture: Proof of Damages in Price-Fixing Cases. September 2017.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, April 2017.
- University of Florida, Levin College of Law, Antitrust Seminar, Guest Lecture: Proof of Damages in Price-Fixing Cases. November 2016.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, April 2016.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, April 2013.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, March 2012.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, December 2009.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, April 2009.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, December 2006.
- University of Pennsylvania Law School (Penn Law), Guest Lecture: Econometrics of Antitrust, November 2004.
- American Statistical Association. Florida Section Keynote Speaker, February 2004.
- ABA National Meeting, Panel Member on “Use of Statistical Evidence to Prove Liability in Non-Employment Cases,” Phoenix, AZ, May 11, 2001.
- Virginia Beach Fraud Conference, “Basics of Fraud and Collusion Detection,” and “Computerized Fraud and Collusion Detection,” May 5-7, 1999.

- “Top Ten Collusion Indicators for Estimators,” Transportation Estimators Association, Portland, ME, October 26-28, 1998.
- “Bid Collusion Detection,” AASHTO TRNS.PORT Users’ Group Conference, Portland, OR, October 4-7, 1997.
- “Using Expert Witness to Prove Damages in a Business Torts Case,” Business Torts Seminar, Asheville, NC, October 10, 1997.
- “Entrepreneurism,” *Fast Trac II* Course, sponsored by University of Florida and North Florida Technology Innovation Center, April to July 1996.
- “Using On-Site Service Units for Collusion Detection Projects,” BAMS Users’ Group Meeting, Mobile, AL, October 11, 1995.
- Ohio Bar Association, “Computerized Analyses in Antitrust Investigations,” CLE Course, October 1993.
- “Special Address: Expert Systems and Cost Estimation,” Cost Estimation Workshop, Columbus, OH, November 1988.
- “Statistical Techniques for Item Level Price Estimation,” BAMS Users’ Group, Gainesville, FL, March 1987
- “Detecting Collusion in Highway Contracting: An Evaluation of Statistical Methods,” BAMS Users’ Group, Gainesville, FL, March 1987.
- “Damage Estimation at the Line Item Level for Highway Contracts,” BAMS Users’ Group, Gainesville, FL, March 1986.
- “The Role of the Textbook in Introductory Business Statistics Courses: The Efficient Market Hypothesis,” Invited Paper, American Statistical Association Winter Meetings, January 1987.
- “Analysis of Toxicity Data,” American Society of Testing and Measurement, Chicago, IL, October 1979.
- “Testing Goodness of Fit for Linear Time Series Models,” American Statistical Association, National Meetings, Washington, DC, August 1979.
- “Analysis of a Sealed Bid Market Using a Statistical Model,” TAMS-OSSA National Meeting, New Orleans, LA, Presented by T. Rothrock, 1979.
- “Analysis of Toxicity Data to Determine No-Effect Levels” presented at the EPA Fisheries Laboratory, Duluth, MN, 1978.
- “Another Look at Some Famous Time Series – the Max Chi-Square Technique,” Poster Session, American Statistical Association, National Meeting, San Diego, CA, 1978.
- “Choosing the Order of Autoregressive and Moving Average Models: The Max Chi-Square Technique,” National American Statistical Association Meeting, Boston, MA, 1976.
- “Subset Autoregression,” invited paper presented to the Department of Statistical Science, State University of New York at Buffalo, NY, 1975.
- “Regression and Smoothing in Time Series,” invited paper, University Statisticians of Southern Experiment Stations Conference, Gainesville, FL, 1974.
- “Introductory Statistics: The Normal Approach,” Eastern Regional Meeting of the Institute of Mathematical Statistics, Blacksburg, VA, 1972.
- “On Estimation Problems for Stochastic Growth Processes,” Joint National Meeting of the Institute of Mathematical Statistics and the American Statistical Association, Fort Collins, CO, 1971.
- “On Some Problems of Estimation and Prediction for a Class of Growth Process,” Joint National Meetings of the Institute of Mathematical Statistics and the American Statistical Association, Laramie, NM, 1970.
- “On Some Problems of Estimation and Prediction for Stationary Time Series,” Regional Meetings of the American Statistical Association, Tallahassee, FL, 1970.

Others

Acting Department Chairman, Department of Statistics, University of Florida, Summers of 1974, 1975, and 1976.

Invited discussant in Time Series Session, Regional Meetings of the American Statistical Association and the Biometric Society, Rochester, NY, 1975.

Session Chairman, Joint Regional Meetings of the American Statistical Association and the Institute of Mathematical Statistics and the Biometric Society, Tallahassee, FL, 1974.

March 2020