

SELECTED PUBLICATIONS OF DR. WILLIAM FAIRLEY

AUDITS, SURVEYS, THEFT, AND FRAUD

“Combining incomplete information from independent assessment surveys for estimating masonry deterioration,” Journal of the American Statistical Association, June 2001 (with Alan J. Izenman and Steven M. Crunk).

“Inference for Welfare Quality Control Programs,” Journal of the American Statistical Association, September 1990 (with Alan J. Izenman and Partha Bagchi).

“Bricks, Buildings, and the Bronx”, Chance, Summer 1994, (with Alan J. Izenman and A. Rhett Whitlock).

“A Question of Theft,” in Maurice DeGroot, Stephen Fienberg and Joseph Kadane, Editors, Statistics and the Law, Wiley, 1986 (with Jeffrey E. Glen)

“Welfare Quality Control Programs : How Much is Misspent by the Welfare System?” Chance, Summer 1989 (with Alan J. Izenman)

“Estimated Public Welfare Quality Control Error Rates and Penalties,” in Bayesian Statistics 3, Oxford University Press, 1988 (with David Fairley).

“Establishing Quantity Estimates and Levels of Certainty in Predicting Structural Damage: A Masonry Case Study”, Proceedings of the British Masonry Society, No. 6, March 1994, (with Alan J. Izenman and A. Rhett Whitlock).

RISK ANALYSIS, ACCIDENTS, AND HEALTH

“Estimating Mine Equipment Injury Rates” in B. J. Garrick and W. C. Gekler, Editors, The Analysis, Communication, and Perception of Risk, Plenum Press, 1991 (with Tian-Tzer Jeng).

“A Probability Model for Brittle Fracture Turbine Reliability,” in Chris Whipple and Vincent T. Covello, Editors, Risk Analysis in the Private Sector, Plenum Press, 1985 (with Edward M. Caulfield, Michael T. Cronin, and Nancy R. Rallis).

“Insurance Market Assessment of Technological Risk,” in Chris Whipple and Vincent T. Covello, Editors, Risk Analysis in the Private Sector, Plenum Press, 1985 (with Paul L. Chernick and Michael B. Meyer).

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“Evaluating the ‘Small’ Probability of a Catastrophic Accident from the Marine Transportation of Liquefied Natural Gas,” in Proceedings of the Engineering Foundation Conference on Risk Benefit Methodology and Application, David Okrent, Editor, Asilomar, California, 1975. Re-published in Fairley & Mosteller, Statistics and Public Policy, Addison-Wesley, 1977.

“Accidents on Route 2: Two-Way Structures for Data,” in Fairley & Mosteller, Statistics and Public Policy, Addison-Wesley, 1977.

Discussion of Lester B. Lave and Eugene P. Seskin, “Does Air Pollution Shorten Lives,” In John W. Pratt, Editor, Statistical and Mathematical Aspects of Pollution Problems, Marcel Dekker, 1975.

DISCRIMINATION

“Comment on Federal Judicial Center Statistical Examples Software Prototype: Age Discrimination Example (Robert T. Reagan) ,”(invited commentary for symposium on teaching statistics to judges) Jurimetrics, Spring 2002.

“A Case of Unexamined Assumptions: The Use and Misuse of the Statistical Analysis of Casteneda/Hazelwood in Discrimination Litigation,” Boston College Law Review, July 1983 (with Thomas J. Sugrue).

“Statistical Evidence of Racial Disparities in Death Sentencing: A Critical Analysis of McCleskey v. Kemp,” in Human Rights and Statistics: Getting the Record Straight, Richard P. Claude and Thomas B. Jabine, Editors, University of Pennsylvania Press, 1992 (with Glenn Dickinson).

LAW, EVIDENCE, AND DAMAGES

“A Bayesian Approach to Identification Evidence,” Harvard Law Review, Vol. 83, No. 3, January 1970 (with Michael Finkelstein).

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“A Conversation about Collins,” University of Chicago Law Review, Vol. 41, No. 2, Winter 1974 (with Frederick Mosteller).

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“The Many Uses of Forensic Economics and Statistics,” The Practical Lawyer, Vol. 31, No. 4, pp. 25-36, 1985 (with P. Eden, C. Aller, C. Vencill, M. Meyer, and P. Chernick).

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FINANCE, REGULATION, AND INSURANCE

“Credible Argument: School Finance in a Legal Trial,” Proceedings of the American Statistical Association Annual Meeting Baltimore 1999.

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“Trial of an Adversary Hearing: Public Policy in Weather Modification,” International Journal of Mathematical Education in Science and Technology, Vol. 3, pp. 375-383, 1972 (with Frederick Mosteller).

PROBABILITY THEORY

“The Number of Real Roots of Random Polynomials of Small Degree,” Sankhya, The Indian Journal of Statistics, Series B, Pt. 2, pp. 144-152, 1976.

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