

# EXHIBIT B

Last updated: November 2010

**Joseph B. (“Jay”) Kadane**

**Personal**

*Home Address:* 2 Darlington Court  
Pittsburgh, PA 15217  
(412) 422-3013

*Office Address:* Department of Statistics  
Carnegie-Mellon University  
Pittsburgh, PA 15213

Office: (412) 268-8726  
Fax: (412) 268-7828  
Email: kadane@stat.cmu.edu

*Birth Date:* January 10, 1941

**Education**

B.A. Cum Laude in Mathematics, Harvard University, 1962  
Ph.D. in Statistics, Stanford University, 1966

**Experience**

*Carnegie-Mellon University, 1971-*

University Professor, 2000-  
Leonard J. Savage Professor of Statistics and Social Sciences, 1985-  
Head, Department of Statistics, 1972-1981 (on leave 1978-1979)  
GSIA/Statistics Professor of Statistics and Social Sciences, 1969-85  
Associate Professor of Statistics and Social Sciences, 1971-1972

*Center for Naval Analyses 1968-1971*

Member of the Professional Staff

*Yale University 1966-1968*

Assistant Professor of Statistics, 1966-1968  
Research Staff of Cowles Foundation for Research in Economics, 1966-1968

*Alternative Learning Laboratory*

Member of the Board of Directors, 1976-78  
Chair, 1977-78

*Citizens Advisory Committee to Children and Youth Services of Allegheny County*

Member, 1983-93, Vice-chair, 1984-85, Chair, 1986-90  
Committee on McIntire Shelter, 1983-85, Chair, 1984-85.  
Nominating Committee, Chair, 1991 - 1993  
Futures Committee, 1991 - 1993

*Center for the Assessment and Treatment of Youth (CATY)*

Member of the Board of Directors, 1990 - 1997  
Nominating Committee, Chair, 1992 - 1994  
Chair, Board of Directors, 1995 - 1997

## **Editorships**

*Journal of the American Statistical Association*

Applications and Coordinating Editor, 1983-1985  
Acting Theory and Methods Editor, Nov. 1986; April 1987  
Deputy Theory and Methods Editor, 1976-1978  
Associate Editor, 1968-1973  
Associate Editor for Special Section on Census Undercount Research, 1991-1992

*Annals of Statistics*

Associate Editor 1974-1976

*North Holland Publishing Company*

Co-editor of Series, Studies in Bayesian Econometrics and Statistics, 1980-1990

*Journal of Complexity*

Member, founding Board of Editors, 1985-1995

*Journal of Business and Economic Statistics*

Associate Editor 1987-1998

*Encyclopedia of Physical Science and Technology*

Advisory Editor, 1987 - 1992

*John Wiley and Sons*

Advisory Editor, Wiley Series in Probability and Mathematical Statistics, 1988 - 2006

*International Encyclopedia of the Social and Behavioral Sciences*

Joint Statistics Editor, 1997 - 2001

## **Professional Service**

*American Association for the Advancement of Science*

Member 1976 -  
Elected Fellow, 1980  
Elected Member of the Nominating Committee for Section U (Statistics), 1995-1998

*American Statistical Association*

Advisory Committee to the US Census Bureau, 1978-83, Chair, 1982  
Technical Advisory Committee to the US Census Bureau on the Undercount, 1981-83  
Advisory Committee on *Am. Stat. News*, 1974-1977  
Standing Meetings Committee, 1971-1973

Standing Publications Committee, 1971-1973, 1983-1985  
Task Force on Meetings 1970-1971  
Board of Directors, 1983  
Standby Committee on Appointments to Senior Federal Statistical Positions  
    Ad-hoc member for Director, Bureau of the Census, 1983  
    Regular member, 1984-86  
Committee on COPSS Presidents' Award, 1985-1986  
Section on Social Statistics, Publications officer, 1989-1990  
Section on Bayesian Statistical Science, Publications officer, 1992 - 1993; Chair 2002  
*Committee of Presidents of Statistical Societies*  
    Committee to Revise the "Careers in Statistics" booklet, 1971-1973  
    Visiting Lecturer Program, 1980-1983  
    Member of Committee on Professional Ethics, 1995 - 1996  
*Columbia University*  
    Ad Hoc Tenure Committee, May 15, 1998  
*Institute of Mathematical Statistics*  
    Program Committees  
        Eastern Regional Meeting, 1981  
        Annual Meeting, 1975  
    Nominating Committee, 1980  
    Committee on Fellows, 1986-1988; Chair, 1987-1988  
*Institute of Statisticians*  
    One of the Technical Convenors, Conference on "Practical Bayesian Statistics," Cambridge, England, 1982  
*International Society for Bayesian Analysis*  
    Elected Member, International Council of Advisors, 1994-1996  
    Chair, Constitution and Bylaws Committee, 1994 -  
    Elected Member, Board of Directors 1996-2000  
*L.J. Savage Memorial Foundation, Inc.*  
    Director, 1978-2000  
*National Center for State Courts*  
    Task Force on Proportionality Review in Death Sentence Cases, 1982-84  
*National Research Council/National Academy of Science*  
    Committee on the Assessment of Demand for Outdoor Recreational Facilities, 1974-76  
    Committee on Research on Law Enforcement and The Administration of Justice, 1980-86  
    Panel on Sentencing Research, 1980-1983  
    Panel on Decennial Census Methodology, 1984-1989  
    Commission on Behavioral and Social Sciences and Education, 1986-1992  
    Board on Mathematical Sciences, 1988-1991  
*National Science Foundation*  
    Member, Advisory Committee for Ethics and Values in Science and Technology, 1984-1986  
    Member, Advisory Committee for Ethics and Values Studies, 1986-1987

Advisor, Joint Economics and Statistics Program in Econometrics, 1990.

Member, Board of Visitors, Measurement Methods and Data Improvement Program, 1990.

Member, Methodology, Measurement and Statistics Special Emphasis Panel, 1993-1994

*Royal Statistical Society*

Member, Programme Committee for Practical Bayesian Statistics 4.

*Seminar on Bayesian Inference in Econometrics,*

Participant 1970-1998

Chairman, Computation Committee, 1974-1977

*Yale University*

Member, Council for Social-Sciences-Policy, 1990-95.

### **Grants and Contracts**

National Science Foundation Grant GS-1721. "Econometric Methods And Application," co-principal investigator with Marc Nerlove and David Grether, 1967-1969.

National Science Foundation Grant GS-38609. "Studies in Econometric Method," co-principal investigator with Martin Geisel, John G. Ramage and George F. Brown, Jr., 1973-1975.

Office of Naval Research Contract, NR 042-309. "Applying Multi-dimensional Scaling to the Needs of the Ocean Allocation Project," principal investigator, 1973-1975.

Office of Naval Research Contract, NR 042-309. "Aspects of Statistics and Applied Probability," principal investigator, 1975.

National Science Foundation Grant. "Econometric Models for the Educational Process and Other Applications," co-principal investigator with Timothy McGuire and Richard Staelin, 1974-1976.

Office of Naval Research Contract, N00014-75-c-0516. "Applied Probability and Statistics Models," 1976, 1977, 1978.

National Science Foundation Grant SOC-76-03824. "Bayesian Prediction From Regression Models," 1976, 1977, 1978.

National Science Foundation Grant SOC-75-15137. "Studies in Econometric Methods," 1975-1978.

Contracts with U.S. Department of the Treasury and with the American Petroleum Institute, 1977-1978.

Further contract work with Department of Treasury, 1980-1981.

National Institute of Justice, "Longitudinal Methods for the Analysis of Victimization Data," with S.E. Fienberg and W. F. Eddy, 1981-1983.

National Science Foundation Grant ISP-8116810, "Ethical Issues in the Conduct of Medical Trials," 1982-1986.

Office of Naval Research, "Decisions in Conflict Environments," with P. Larkey and K. Laskey,

NR 274-345, 1982-1985.

National Science Foundation, “Mathematical Sciences: Asymptotic Methods for Bayesian and Likelihood Analysis,” with Luke Tierney and Rob Kass, 1985-89.

National Science Foundation, “Understanding Children’s Developing Ability to Solve Arithmetic Word Problems,” with Jill Larkin and Catherine Sophian, 1985-87.

Office of Naval Research, “Bayesian Inference,” 1985-88.

Office of Naval Research, “Statistics and Oceanography,” 1989-1995

National Science Foundation, “Comparing Divergent Views: The Sacco-Vanzetti Case,” 1989-93.

National Science Foundation “Mathematical Sciences: Bayesian Inference in Computing,” with Luke Tierney, Rob Kass and Larry Wasserman, 1990-92.

National Science Foundation “Mathematical Sciences: Bayesian Inference and Computing,” with Luke Tierney, Rob Kass and Larry Wasserman, 1993-98.

National Science Foundation “A Training Program in Cross-Disciplinary Research and Training,” 1997 - 1999.

Donner Foundation, “Sampling Methods in the 2000 Census,” with Stephen Fienberg, 1998.

National Science Foundation “Studies on Foundations of Statistics,” 1999-2001.

National Science Foundation “FRG: The Mathematics fo Financial Risk Management” with Math Dept., Teddy Seidenfeld and Mark Schervish, 2002–2005.

National Science Foundation/National Institutes of Health “Improving Bayesian Phylogeny.” 2003–2007.

## **Honors**

- Elected Fellow of the American Statistical Association, 1973.
- Elected Fellow of the Institute of Mathematical Statistics, 1975.
- Selected for Research Fellowship by Japan Society for Promotion of Science, 1978.
- Pittsburgh Statistician of the Year, 1980, chosen by the Pittsburgh Chapter of the American Statistical Association.
- Elected Fellow of the American Association for the Advancement of Science, 1980.
- Elected Member of the International Statistical Institute, 1981.
- Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, 1986-87.
- Co-winner, Frank Wilcoxon Award for the Best Applied Paper in Technometrics, 1993.

- Fulbright Fellowship to Chile, 2004.

### Graduate Students Supervised

Name	Date
Thesis Title	
John G. Ramage	Yale '71
“A Perturbation Study of the $k$ -class Estimators in the Presence of Specification Error”	
Donald A. Berry	Yale, 2-71
(co-advisor with L.J. Savage)	
“A Bernoulli Two-Armed Bandit”	
Jon K. Peck	Yale 1-72
“A Comparison of Alternative Estimations for a Dynamic Relationship Estimated From A Time Series of Cross-Sections When the Disturbances are Small”	
George F. Brown, Jr.	CMU - '72
“Structural Estimation by K-Class Methods and Reduced Form Forecasting”	
Russell E. Hannula	CMU 4-76
“The Analysis of Data from a Bivariate Normal Distribution with Missing Observations”	
John F. Monahan	CMU 10-76
“Estimation in the Presence of a Mixing Distribution With and Without Structural Parameters”	
David Tsao-pin Chuang	CMU 8-78
“Further Theory of Stable Decisions”	
John Wilson	CMU 5-82
“Search for Randomly Moving Targets”	
Da-Ching Wu	CMU 7-83
“An Analysis of First Nuptial Confinements in Australia”	
Catherine J. Dalzell	CMU 2-84
“A Statistical Analysis of Atom Probe Data”	
Umesh K. Gavasakar	CMU 8-84
“A Study of Elicitation Procedures by Modeling the Errors in Responses”	
Kathryn B. Laskey	CMU 6-85
“Bayesian Models of Strategic Interactions”	
Yves Thibaudeau	CMU 1-88
“Approximating the Moments of a Multimodel Posterior Distribution with the Method of Laplace”	

Alan Rossman “A Bayesian Approach to Tournament Design”	CMU 9-89
Giovanni Parmigiani “Optimal Scheduling of Inspections with an Application to Medical Screening Tests”	CMU 8-90
Ruth Etzioni Bayesian Group-Sequential Sampling with Application to Tax Auditing”	CMU 12-90
Thomas Short “Algorithms for Simultaneous Image Restoration and Segmentation”	CMU 8-91
Madumita Lodh “Experimental Studies by Distinct Designer and Estimators”	CMU 7-93
Yu-Chiao Chang “A Bayesian Approach to Measuring the Size of HIV/AIDS Epidemic”	CMU 9-93
Scott Berry “Discrete Search and Rescue For an Intelligent Object”	CMU 12-94
Lara Wolfson “Elicitation of Priors and Utilities for Bayesian Analysis”	CMU 6-95
Petros Hadjicostas “Probabilistic Analysis of Association Reversal Phenomena”	CMU 8-95
David Algranati “Exploring Racial and Geographical Effects in the Decision to Seek the Federal Death Penalty, 1995 - 2000”	CMU 12-2002
Sharad Borle (jointly supervised with Peter Boatwright at the Tepper School) “Empirical Applications in Marketing”	CMU-2003
Michelle Dunn “Applying Particle Filter and Path Stack Methods to Detecting Anomalies in Network Traffic Volume”	CMU 2-2005
Manuela Buzoianu “Bayesian Decision Making With Application to a Clinical Trial”	CMU 9-2005
Xiting (“Cindy”) Yang “Elicitation of Expert Knowledge of Phylogenics in the Form of Rooted Trees”	CMU 8-2009

## Publications

### A. Economics and Econometrics

A-1 Maddala, G.S. and Kadane, J.B. (1966). “Notes on the Estimation on the CES Production Function,” *Review of Economics and Statistics*, (August), **48**: 340-44.



- A-2 Maddala, G.S. and Kadane, J.B. (1967). "Estimation of Returns to Scale and the Elasticity of Substitution," *Econometrica*, **34**: 419-23).
- A-3 Kadane, J.B. (1970). "Testing Overidentifying Restrictions when the Disturbances are Small," *Journal of the American Statistical Association*, (March), **65**: 182-185.
- A-4 Kadane, J.B. (1971). "Comparison of Estimators in Simultaneous Equation Econometric Models when the Residuals are Small," dissertation, June 1966, published under the title "Comparison of k-class Estimators When the Disturbances are Small." *Econometrica*, (September), **39**: 723-737.
- A-5 Fisher, F.M. and Kadane, J.B. (1972). "The Covariance Matrix of the Limited Information Estimator and the Identification Test: Comments," *Econometrica*, (September), **40**: 901-3. (<http://repository.cmu.edu/statistics/6>)
- A-6 Kadane, J.B., McGuire, T., Sanday, P. and Staelin, R. (1974). "An Econometric Model for Estimating IQ Scores and Environmental Influences on the Pattern of IQ Scores Over Time." Presented at the Annual Meeting of the American Statistical Association, (December 1973), **Proceedings of the Social Statistics Section**, 72-81, 1974.
- A-7 Kadane, J.B. (1974). "Testing A Subset of the Overidentifying Restrictions," *Econometrica*, (September), **42**:5: 853-67.
- A-8 Brown, G.F., Kadane, J.B. and Ramage, J.G. (1974). "The Asymptotic Bias and Mean-Squared Error of Double K-Class Estimators When the Disturbances are Small," *International Economic Review*, (October), **15**: 667-79.
- A-9 Kadane, J.B. and Anderson, T.W. (1977). "A Comment on the Test of Overidentifying Restrictions," *Econometrica*, (May), **45**: 1027-31. Reprinted in **The Collected Papers of T.W. Anderson: 1943-1985**, G. Styan, ed., Vol II, pp 1097-1101; J. Wiley & Sons, 1990. (<http://repository.cmu.edu/statistics/1>)
- A-10 Kadane, J.B., McGuire, T.W., Sanday, P.R. and Staelin, R. (1977). "Estimation of Environmental Effects on the Pattern of IQ Scores Over Time," **Latent Variables in Socioeconomic Models**, Edited by D.J. Aigner and A.S. Goldberger, 327-48.
- A-11 Kadane, J.B., McGuire, T.W., Sanday, P.R. and Staelin, R. (1976). "Models of Environmental Effects on the Development of IQ," *Journal of Educational Statistics*, (Autumn), **1**: 181-231.
- A-12 Kadane, J.B. (1978). "Normalization in Point Estimation: A Comment," *Journal of Econometrics*, (January), **7**: 123-5 and "Rejoinder," p. 129.
- A-13 Kadane, J.B. (1980). "Predictive and Structural Methods for Eliciting Prior Distributions," A. Zellner, Eds., "**Studies in Bayesian Econometrics and Statistics in Honor of Harold Jeffreys**," North Holland Publishing Company, 89-93.

- A-14 Kadane, J.B. and Dickey, J. (1980). "Bayesian Decision Theory and the Simplification of Models," in J. Kmenta and J. Ramsey, Eds., **Evaluation of Econometric Models**, Academic Press, (1980), 245-268, reprinted in **Bayesian Inference**, ed. by G.C. Tiao and N. Polson, Edward Elgar Publishing Co.
- A-15 Eddy, W. and Kadane, J.B. (1982). "The Cost of Drilling for Oil and Gas: An Application of Constrained Robust Regression," *Journal of the American Statistical Association*, (June), **77**: 262-269
- A-16 Kadane, J.B. (1985, 1987) "Is Victimization Chronic? A Bayesian Analysis of Multinomial Missing Data," *Journal of Econometrics*, (1985), **29**: 47-67. "Corrigenda" *Journal of Econometrics*, **35**: 393.
- A-17 Sanchez, J., Kadane, J.B. and Candel, A. (1996). "Multiagent Bayesian Theory and Economic Models of Duopoly, R. & D., and Bank Runs," in **Advances in Econometrics**, Volume II, Part A, T.B. Fomby and R.C. Hill, eds., JAI Press, pp 275-302.
- A-18 Kadane, J.B., Chan, N.H. and Wolfson, L.J. (1996). "Priors for Unit Root Models" *Journal of Econometrics*, **75**, 99-111.
- A-19 Kadane, J.B. (1975, 1978, 2001). "Some Statistical Problems in Merging Data Files," OTA Paper 6, December 12, 1975; Office of Tax Analysis, Department of Treasury, appeared in revised form in *1978 Compendium of Tax Research*, Department of the Treasury. *Journal of Official Statistics*, **17**, 423-433.
- A-20 Kadane, J.B. and Woodworth, G. (2004) "Hierarchical Models for Employment Decisions," *Journal of Business and Economic Statistics*, Vol. 22, 2:182-193.
- A-21 Schervish, M., Seidenfeld, T. and Kadane, J.B. (2008). "The Fundamental Theorems of Prevision and Asset Pricing," *International Journal of Approximate Reasoning*, **49**, 148-158.
- A-22 Seidenfeld, T., Schervish, M.J. and Kadane, J.B. (2009). "A price for unbounded utilities," *Journal of Mathematical Economics*, **45**, (5), p. 329-340.
- A-23 Seidenfeld, T., Schervish, M.J. and Kadane, J.B. (2009). "Preference for equivalent random variables: A price for unbounded utilities," *Journal of Mathematical Economics*, **45**., 329-340.

## B. Sociology and Demography

- B-1 Kadane, J.B., Lewis, G. and Ramage, J. (1969). "Horvath's Theory of Participation in Group Discussion," *Sociometry*, (September), **32**: 348-61.
- B-2 Kadane, J.B., Lewis, G. and Ramage, J. (1969). "Rejoinder to Horvath," (December), *Sociometry*: 505-6.

- B-3 Kadane, J.B. and Lewis, G. (1969). "The Distribution of Participation in Group Discussions: An Empirical and Theoretical Reappraisal," *American Sociological Review*, (October), **34**: 710-23.
- B-4 Kadane, J.B. and Lewis, G. (1970). "Reply to Leik," *American Sociological Review*, (August), **35**: 760.
- B-5 Ericksen, E. and Kadane, J.B. (1986). "Using Administrative Lists to Estimate Census Omissions" *Journal of Official Statistics* **2**: 397-414 (1986); an earlier version is in **An Administrative Record Approach to Censuses and Surveys**, W. Alvey, editor, Department of the Treasury, 1983, 3-8, and in **1983 Proceedings of the Section on Survey Research Methods**, 361-365. (<http://repository.cmu.edu/statistics/10>)
- B-6 Ericksen, E. and Kadane, J.B. (1983). "Using the 1980 Census as a Population Standard," **1983 Proceedings of the Social Statistics Section**, ASA, 474-479.
- B-7 Ericksen, E.P. and Kadane, J.B. (1985). "Estimating the Population in a Census Year: 1980 and Beyond" (with discussion), *Journal of the American Statistical Association*, **80**, 98-131. Excerpts appear in **Statistical Uses of Administrative Records : Recent Research and Present Prospects, Vol. 1** Internal Revenue Service, Dept. of the Treasury, pp. 283- 290. An early version appears in **Federal Statistics and National Needs**, prepared by the Congressional Research Service for the Senate Committee on Governmental Affairs, 1984, 233-279.
- B-8 Kadane, J.B. and Ericksen, E. (1984). "Revised Estimates of State and Central City Populations on Census Day, 1980" the **1984 ASA Proceedings of the Social Statistics Section**, 208-210.
- B-9 Ericksen, E. and Kadane, J.B. (1987). "Sensitivity Analysis of Local Estimates of Undercounts in the 1980 U.S. Census" **Small Area Statistics**, edited by J.N.K. Rao, Richard Platek, C.E. Sarndal, and M.P. Singh, pp. 23-45, J. Wiley and Sons: NY.
- B-10 Ericksen, E., Kadane, J.B. and Tukey, J. (1989). "Adjusting the 1980 Census of Housing and Population." A version published by the House of Representatives, Committee on Post Office and Civil Service, Subcommittee on Census and Population, Record of Hearing of August 17, 1987. *Journal of the American Statistical Association*, **84**, 927-44.
- B-11 Meyer, M.M. and Kadane, J.B. (1992). "Reconstructing the Adjusted Census for Florida: A Case Study in Data Examination," *Journal of Computational and Graphical Statistics*, **1**, 287-300.
- B-12 Kadane, J.B. (1996). "A Bayesian Approach to Designing U.S. Census Sampling for Reapportionment," *Journal of Official Statistics*, **12**, 85-106 (with discussion).

- B-13 Meyer, M.M. and Kadane, J.B. (1995). “Evaluation of a Reconstruction of the Adjusted 1990 Census for Florida,” *Journal of Official Statistics*, **13**, 103–112.
- B-14 Daponte, B.O., Kadane, J.B., and Wolfson, L.J. (1997). “Bayesian Demography: Projecting the Iraqi Kurdish Population, 1977-1990,” *Journal of the American Statistical Association*, **92**, 1256–1267.
- B-15 Anderson, M., Daponte, B.O., Fienberg, S.E., Kadane, J.B., Spencer, B.D. and Steffey, D.L. (2000). “Sampling-Based Adjustment of the 2000 Census – A Balanced Perspective,” *Jurimetrics*, **40**, 341–356.
- B-16 Daponte, B.O., Haviland, A. and Kadane, J.B. (2004). “To What Degree Does Food Assistance Help Poor Households Acquire Enough Food ?,” *Journal of Poverty*, **8**: 63–87.
- B-17 Dunn, M., Kadane, J.B. and Garrow, J. (2003) “Comparing Harm Done by Mobility and Class Absence: Missing Students and Missing Data,” *Journal of Educational and Behavioral Statistics*, Vol. 28, No. 3, pp. 269–288.

### C. Political Science

- C-1 Moses, L., Brody, R., Holsti, O., Kadane, J.B. and Milstein, J. (1967). “Scaling Data on Inter-National Action,” *Science*, (May 26), **156**: 1054-9.
- C-2 Friedheim, R.L. and Kadane, J.B. (1970). “Quantitative Content Analysis of the United National Seabed Debates: Methodology and A Continental Shelf Case Study,” with the assistance of J.K. Gamble, Jr., *International Organization*, (Summer Issue), **24**: 479-502. (<http://repository.cmu.edu/statistics/12>)
- C-3 Friedheim, R. and Kadane, J.B. (1972). “The Politics of Ocean Science,” *Journal of Maritime Law and Commerce*, (April), **3**: 473-502.
- C-4 Kadane, J.B. (1972). “On Division of the Question,” *Public Choice*, (Fall), **13**: 47-54. To be reprinted in **Rational Choice Politics**, Torun Dewan, Keith Dowling and Kenneth A. Shepsle, editors, Sage Publications, London (2009).
- C-5 Epple, D. and Kadane, J.B. (1990). “Sequential Voting with Endogenous Voter Forecasts,” *American Political Science Review*, (<http://repository.cmu.edu/statistics/11>)**84**, 165-175.

### D. Operations Research and Computer Science

- D-1 Kadane, J.B. (1968). “Discrete Search and the Neyman-Pearson Lemma,” *The Journal of Mathematical Analysis and Applications*, (April), **22**: 156-71.

- D-2 Kadane, J.B. (1969). "Quiz Show Problems," *The Journal of Mathematical Analysis and Applications*, (September), **27**: 609-23.
- D-3 Kadane, J.B. (1971). "Optimal Whereabouts Search," *Operations Research*, (July - August), 894-904.
- D-4 Simon, H.A. and Kadane, J.B. (1975). "Optimal Problem-Solving Search: All-Or-None Solutions," *Artificial Intelligence*, **6**: 235-47. Reprinted in **Models of Bounded Rationality: Economic Analysis and Public Policy, Volume 1** by Herbert A. Simon, MIT Press, Cambridge, Mass., 1982, 248-260
- D-5 Simon, H.A. and Kadane, J.B. (1976). "Problems of Computational Complexity in Artificial Intelligence," 281-99 in **Algorithms and Complexity, New Directions and Recent Results**, edited by J.F. Traub.
- D-6 Kadane, J.B. and Simon, H.A. (1977). "Optimal Strategies for a Class of Constrained Sequential Problems," *Annals of Statistics*, (March), **5**: 237-55.
- D-7 Kadane, J.B. (1978). "A Characterization of the Rau Class of Sequential Problems," *Mathematics of Operations Research*, (February), **3**: 42-56.
- D-8 Kadane, J.B. (1978). "Reversibility of A Multilateral Sequential Game: Proof of A Conjecture of Sakeguchi," *Journal of the Operations Research Society of Japan*, **21**: 509-515.
- D-9 Kadane, J.B. (1980). "Industrial Applications of Search Theory," pp. 205-210 in **Search Theory and Applications**, Edited by K.B. Haley and L.D. Stone, (1980), Plenum Press.
- D-10 Stone, L.D. and Kadane, J.B. (1981). "Optimal Whereabouts Search for A Moving Target," *Operations Research*, (November - December), **29**: 1154-1166.
- D-11 Tierney, L. and Kadane, J.B. (1983). "Surveillance Search for a Moving Target," *Operations Research*, (July - August), **31**: 720-738.
- D-12 Kadane, J.B. and Wasilkowski, G.W. (1985). "Average Case Epsilon-Complexity in Computer Science: A Bayesian View," (with discussion), **Bayesian Statistics 2, Proceedings of the Second Valencia International Meeting**, edited by Bernardo, DeGroot, Lindley and Smith, 361-374.
- D-13 Kadane, J.B. (1985). "Parallel and Sequential Computation: A Statistician's View," *Journal of Complexity*, December, **1**: 256-263.
- D-14 Kadane, J.B., Wasilkowski, G.W., and Wozniakowski, H. (1988). "On Adaption with Noisy Information," *Journal of Complexity*, December, **4**: 257-276.

- D-15 Berry, S. and Kadane, J.B. (1995). "Optimal Whereabouts Search," to appear in **MORS Analyst's Handbook**, published by the Military Operations Research Society
- D-16 Gates, C., McNutt, J., Kadane, J. and Kellner, M. (2006). "Scan Detection on Very Large Networks Using Logistic Regression Modeling." In *Proceedings of the IEEE Symposium on Computers and Communications*. Pula-Cagliari, Sardinia, Italy. June 26-29, 2006.
- D-17 Gates, C., McNutt, J., Kadane, J. and Kellner, M. (2006). "Detecting Scans at the ISP Level." Technical Report CMU/SEI-2006-TR-005, Carnegie Mellon University Software Engineering Institute. April 2006. <ftp://ftp.sei.cmu.edu/pub/documents/06.reports/pdf/06tr005.pdf>
- D-18 Collins, M., Shimeall, T., Kadane, J. B. and De Shon, M. (2006). "Uncleanliness Vector (Phase I)," Technical Report, CERT Network Situational Awareness Group
- D-19 Collins, M.P., Shimeall, T.J., Faber, S., Janies, J., Weaver, R., DeShon, M. and Kadane, J.B. "Using Uncleanliness to Predict Future Botnet Addresses," ICM '07.

## E. Mathematics and Statistical Theory

- E-1 Kadane, J.B. (1984). Edited Book: **Robustness of Bayesian Analyses**, North Holland Publishing Company.
- E-2 Kadane, J.B. (1966). "Some Equivalence Classes in Paired Comparisons," *Annals of Mathematical Statistics*, (April), **37**: 488-94.
- E-3 Kadane, J.B. (1971). "A Moment Problem for Order Statistics," *Annals of Mathematical Statistics*, (April), **42**: 745-51. (<http://repository.cmu.edu/statistics/15>)
- E-4 Kadane, J.B. (1971). "A Multinomial Sum," *American Mathematical Monthly*, (June - July), **78**: 658.
- E-5 Kadane, J.B. (1972). "A Concave Property of the Hypergeometric Function with Respect to A Parameter," *SIAM Journal of Mathematical Analysis*, (November), **3**: 642-3. (<http://repository.cmu.edu/statistics/18>)
- E-6 Kadane, J.B. (1974). "A Characterization of Triangular Arrays Which Are Expectations of Order Statistics from a Distribution of Unrestricted Range," *Journal of Applied Probability*, (June), **11**: 413-6.
- E-7 Kadane, J.B. (1974). "A Family of Distributions with Nearly Constant Ratios of Expected Values of Order Statistics," Proceedings volume of the **All-India Seminar on Demography and Statistics**, 70-5.
- E-8 Kadane, J.B. (1975). "The Role of Identification in Bayesian Theory," L.J. Savage Memorial Volume **Studies in Bayesian Statistics and Econometrics**, Fienberg and Zellner, Eds., 175-91.



- E-9 Kadane, J.B. and Chuang, D. (1978). "Stable Decision Problems," **Annals of Statistics**, (September), **6**: 1095-1110., reprinted in **Robustness of Bayesian Analyses**, which I edited. (<http://repository.cmu.edu/statistics/17>)
- E-10 Kadane, J.B., Dickey, J., Winkler, R., Smith, W. and Peters, S. (1980). "Interactive Elicitation of Opinion for A Normal Linear Model," *Journal of the American Statistical Association*, **75**: 845-854.
- E-11 Schervish, M., Seidenfeld, T., and Kadane, J.B. (1984). "The Extent of Non-Conglomerability in Finitely Additive Probabilities," *Zeitschrift fur Wahrscheinlichkeitstheorie und verwandte Gebiete*, **66**: 205-226.
- E-12 Dickey, J.M., Dawid, A.P. and Kadane, J.B. (1986). "Subjective-Probability Assessment Methods for Multivariate-t and Matrix-t Models," in **Bayesian Inference and Decision Techniques: Essays in Honor of Bruno de Finetti**, edited by Prem Goel and Arnold Zellner, 177-195.
- E-13 Kadane, J.B., Schervish, M. and Seidenfeld, T. (1986). "Statistical Implications of Finitely Additive Probability," in **Bayesian Inference and Decision Techniques: Essays in Honor of Bruno de Finetti**, edited by Prem Goel and Arnold Zellner, 59-76.
- E-14 Genest, C. and Kadane, J.B. (1986). "Combination of Subjective Opinion: An Application and Its Relation to the General Theory," in **Reliability and Quality Control**, A.P. Basu, ed., North Holland Publishing Company, 141-155.
- E-15 Tierney, L. and Kadane, J.B. (1986). "Accurate Approximations for Posterior Moments and Marginal Densities," *Journal of the American Statistical Association*, **81**: 82-86.
- E-16 Dawes, R. and Kadane, J.B. (1987). "Partial Round Robin Comparisons with Perfect Rankings," *American Statistician*, **41**: 204-205.
- E-17 Kass, R.E., Tierney, L. and Kadane, J.B. (1988). "Asymptotics in Bayesian Computation," **Bayesian Statistics 3**, edited by J. Bernardo, M. DeGroot, A.M.F. Smith and D.V. Lindley, Oxford University Press, pp. 261-278.
- E-18 Tierney, L., Kass, R.E. and Kadane, J.B. (1987). "Interactive Bayesian Analysis Using Accurate Asymptotic Approximations," *Computer Science and Statistics: Proceedings of the 19th Symposium on the Interface*, R. M. Heiberger, ed., American Statistical Association, Alexandria, VA, 15-21.
- E-19 Kadane, J.B. and Trader, R.L. (1988). "A Bayesian Treatment of Multivariate Normal Data With Observations Missing at Random," **Proceedings of the Fourth Purdue Symposium on Decision Theory and Related Topics**, S. Gupta and J. Berger, eds., Springer-Verlag, New York, 225-233.

- E-20 Dickey, J.M., Jiang, J-M. and Kadane, J.B. (1987). "Bayesian Methods for Censored Categorical Data," *Journal of the American Statistical Association*, **82**: 773-781.
- E-21 Bayarri, S.J., DeGroot, M.H. and Kadane, J.B. (1988). "What is the Likelihood Function?" (with discussion), in **Proceedings of the Fourth Purdue Symposium on Decision Theory and Related Topics**, S. Gupta and J. Berger, eds., Springer-Verlag, New York, 3-27.
- E-22 Larkin, J. and Kadane, J.B. (1990). "A Method for Maximizing Likelihood Functions," in **Essays in Honor of George Barnard**, S. Geisser, J.S. Hodges, S.J. Press and A. Zellner, eds., 453-472.
- E-23 Kass, R.E., Tierney, L. and Kadane, J.B. (1990). "The Validity of posterior expansions based on Laplace's Method," **Essays in Honor of George Barnard**, S. Geisser, J.S. Hodges, S.J. Press and A. Zellner, eds., 473-88.
- E-24 Kass, R.E., Tierney, L. and Kadane, J.B. (1989). "Approximate Marginal Densities of Nonlinear Functions," *Biometrika*, **76**, 425-433. Correction: **78**, 233-234.
- E-25 Kass, R.E., Tierney, L., and Kadane, J.B. (1989). "Approximate Methods for Assessing Influence and Sensitivity in Bayesian Analysis," *Biometrika*, **76**, 663-674.
- E-26 Tierney, L., Kass, R.E., and Kadane, J.B. (1989). "Fully Exponential Laplace's Approximations to Expectations and Variances of Non-Positive Functions," *Journal of the American Statistical Association*, (1989), **84**, 710-716.
- E-27 Kadane, J.B. and Seidenfeld, T. (1990). "Randomization in a Bayesian Perspective," *Journal of Statistical Planning and Inference*, (1990), **25**, 329-345, to be reprinted in **The Methodology of Econometrics**, D.J. Poirier, ed. Edward Elgar Publishing, Ltd.
- E-28 Bagchi, P. and Kadane, J.B. (1992). "Laplace Approximation for Curved Surfaces," pp. 1-12 in **Bayesian Analysis in Statistics and Econometrics**, P. Goel and N. S. Iyengar, eds., Lecture Notes in Statistics #75, New York: Springer-Verlag.
- E-29 Wasserman, L.A. and Kadane, J.B. (1990). "Bayes' Theorem for Choquet Capacities," *Annals of Statistics*, **18**, 1328-1339. (<http://repository.cmu.edu/statistics/16>)
- E-30 Kadane, J.B., Olkin, I., and Scarsini, M. (1990). "Inequalities for Predictive Ratios and Posterior Variances in Natural Exponential Families," *Journal of Multivariate Analysis*, (1990), **33**, 275-285.
- E-31 Kass, R.E., Tierney, L., and Kadane, J.B. (1991). "Laplace's Method in Bayesian Analysis," **Contemporary Mathematics: Proceedings of the Conference on Statistical Multiple Integration**, ed. by N. Flournoy and R. Tsutakawa, American Mathematical Society, Providence, **115**, 89-99



- E-32 Bagchi, P. and Kadane, J.B. (1991). “Laplace Approximations to Posterior Moments and Marginals on Circles, Spheres, and Cylinders,” *Canadian Journal of Statistics*, **19**, 67-77.
- E-33 Kass, R.E., Tierney, L, and Kadane, J.B. (1991). “Asymptotic Evaluation of Integrals Arising in Bayesian Inference,” in **Computer Science and Statistics: Proceedings of the 22<sup>nd</sup> Symposium on the Interface**, eds. C. Page and R. LePage, Springer-Verlag: New York, 38-42.
- E-34 Wasserman, L.A. and Kadane, J.B. (1992). “Computing Bounds on Expectations,” *Journal of the American Statistical Association*, **87**, 516-522.
- E-35 Verdinelli, I. and Kadane, J.B. (1992). “Bayesian Designs for Maximizing Information and Outcome,” *Journal of the American Statistical Association*, **87**, 510-515.
- E-36 Wasserman, L. and Kadane, J.B. (1992). “Symmetric Upper Probabilities,” *Annals of Statistics*, **20**, 1720-1736.(<http://repository.cmu.edu/statistics/23>)
- E-37 Jiang, T.J., Kadane, J.B., and Dickey, J.M. (1992). “Computation of Carlson’s Multiple Hypergeometric Function R for Bayesian Applications,” *Journal of Computational and Graphical Statistics*, **1**, 231-251.
- E-38 Etzioni, R. and Kadane, J.B. (1993). “Optimal Experimental Design for Another’s Analysis,” *Journal of the American Statistical Association*, **88**, 1404-1411.
- E-39 Wasserman, L. and Kadane, J.B. (1994). “Permutation Invariant Upper and Lower Probabilities,” *Statistical Decision Theory and Related Topics V*, edited by J.O. Berger and Shanti Gupta, Springer-Verlag, pp 431-440.
- E-40 Wasserman, L. and Kadane, J.B. (1995). “Entropy When Probabilities are Imprecise,” in **Bayesian Analysis in Statistics and Econometrics: Essays in Honor of Arnold Zellner**, ed. by Don Berry, Kathryn Chaloner, and John Geweke, J. Wiley and Sons, 549-555.
- E-41 Kadane, J.B. and O’Hagan, A. (1995). “Using Finitely Additive Probability: Uniform Distributions on the Natural Numbers,” *Journal of the American Statistical Association*, (1995), 626-631.
- E-42 Seidenfeld, T., Schervish, M.J., and Kadane, J.B. (1995). “A Representation of Partially Ordered Preferences,” *Annals of Statistics*, **23**, 2168-2217.(<http://repository.cmu.edu/statistics/22>)
- E-43 Kadane, J.B., Schervish, M.J., and Seidenfeld, T. (1996). “Reasoning to a Foregone Conclusion,” *Journal of the American Statistical Association*, **91**, 1228-1235.

- E-44 Kadane, J.B., Schervish, M., and Seidenfeld, T. (1996). “When several Bayesians agree that there will be no reasoning to a foregone conclusion,” Proceedings of the 1996 Biennial Meeting of the Philosophy of Science Association, Part 1, *Philosophy of Science* supplement to Vol. 63, **3**, S281-S289.
- E-45 Kadane, J.B. and Wasserman, L. (1996). “Symmetric, Coherent Choquet Capacities,” *Annals of Statistics*, **24**, 1250-1264.
- E-46 Giron, E.J., Kadane, J.B., and Moreno, E. (1997). “Independence issues in imprecise data models: a Bayesian approach,” *Comptes Rendus of the Royal Academy of Sciences, Paris*, (1997), 1149-1153..
- E-47 Kadane, J.B. and Srinivasan, C. (1996). “Bayesian Robustness and Stability,” Proceedings of the Workshop on Bayesian Robustness, eds. J.O. Berger, B. Betro, E. Moreno, L.R. Pericchi, F. Ruggeri, G. Salinetti, L. Wasserman, Springer-Verlag: New York, 81-100.
- E-48 Berry, S. and Kadane, J.B. (1997). “Optimal Bayesian Randomization,” *Journal of the Royal Statistical Society, Series B*, **59**, No. 4., pp. 813-819.
- E-49 Moreno, E., Kadane, J.B., and Perrichi, L.R. (1999). “A Robust Bayesian Look at the Theory of Precise Measurement,” in **Decision Science and Technology: Reflections on the contributions of Ward Edwards**. Shanteau, J., Mellers, B., & Schum, D. (Eds.)Norwell, MA: Kluwer Academic Publishers, pp. 171–181.
- E-50 Kadane, J.B. and Wolfson, L.J. (1998). “Experiences in Elicitation,” *Journal of the Royal Statistical Society, Series D (The Statistician)*, 47, Part 1, pp. 3–19, (with discussion).
- E-51 Kadane, J.B. and Srinivasan, C. (1998). “Bayes Decision Problems and Stability,” *Sankhya*, 60, Pt. 3, pp. 383–404.(<http://repository.cmu.edu/statistics/31>)
- E-52 Seidenfeld, T., Schervish, M.J., and Kadane, J.B. (1998). “Non-conglomerability for finite-valued, finitely additive probability,” *Sankhya*, 60, A, Pt. 3, pp 476–491.(<http://repository.cmu.edu/statistics/30>)
- E-53 Kadane, J.B., Meyer, M.M., and Tukey, J.W. (1999). “Yule’s Association Paradox and Stratum Heterogeneity in capture-recapture studies,” *Journal of the American Statistical Association*, **94**, 855–859.
- E-54 Schervish, M.J., Seidenfeld, T. and Kadane, J.B. (2000) “How Sets of Coherent Probabilities May Serve as Models for Degrees of Incoherence,” *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, **8**, No. 3, 347–355.
- E-55 Kadane, J.B. Salinetti, G. and Srinivasan, C. (1999). “Stability of Bayes Decisions and Applications,” in **Robust Bayesian Analysis**, edited by D.R. Insua and F. Ruggeri. Springer Lecture Notes in Statistics, 152, 187–196.

- E-56 Schervish, M., Seidenfeld, T. and Kadane, J.B. (2001) “Improper Regular Conditional Distributions,” *Annals of Probability*, **29**, 1612–1624.(<http://repository.cmu.edu/statistics/20>)
- E-57 Schervish, M., Seidenfeld, T. and Kadane, J.B. (2002) “A Rate of Incoherence Applied to Fixed-Level Testing,” *Philosophy of Science*, **69** Sept. 2002, pp. S248-S264.
- E-58 Mariano, L.T. and Kadane, J.B. (2001). “The Effect of Intensity of Effort to Reach Survey Respondents: A Toronto Smoking Survey,” *Survey Methodology*, Vol. 27, 2, pp. 131–142.
- E-59 Schervish, M.J., Seidenfeld, T. and Kadane, J.B. (2001). “How Incoherent is Fixed-level Testing?,” in the *Proceedings of the 2000 Meeting of the Philosophy of Science Association*, J. Barrett, ed. Chicago: Phil. Sci. Assoc. forthcoming.
- E-60 Kadane, J.B., Moreno, E., Perez, M.E. and Pericchi, L.R. (2002). “Applying Non-parametric Robust Bayesian Analysis to Judicial Neutrality.” *Journal of Statistical Planning and Inference*, **102**, 425–439.
- E-61 Lazar, N. and Kadane, J.B. (2002). “Movies for the Visualization of MCMC Output” *Journal of Computational and Statistical Graphics*, **11**, 863–874.
- E-62 Brockwell, A.E. and Kadane, J.B. (2003). “A Gridding Method for Sequential Analysis Problems,” *Journal of Computational and Statistical Graphics*, **12**, No. 3, pp. 566-584.
- E-63 Schervish, M.J., Seidenfeld, T., and Kadane, J.B. (2002). “Measuring Incoherence,” *Sankhya*, **64**, Part 3(i), 561–587. (<http://repository.cmu.edu/statistics/29>)
- E-64 Schervish, M.J., Seidenfeld, T., Kadane, J.B. and Levi, I. (2003). “Extensions of Expected Utility Theory and some Limitations of Pairwise Comparisons”, *ISIPTA-03 Proceedings of the Third International Symposium on Imprecise Probabilities and their applications*, Bernard, J-M, Seidenfeld, T. and Zaffalon, M., eds., Carleton Scientific, Canada, 496–510.
- E-65 Kadane, J.B. and Lazar, N. (2004). “Methods and Criteria for Model Selection,” *JASA*, Vol. 99, No. 465, 279–290.
- E-66 Shmueli, G., Minka, T.P., Kadane, J.B., Borle, S. and Boatwright, P. (2004). “A Useful Distribution for Fitting Discrete Data: Revival of the COM-Poisson,” *JRSS C*, **54**, 127–142.
- E-67 Schervish, M.J., Seidenfeld, T., and Kadane, J.B. (2003). “Measures of Incoherence,” in *Bayesian Statistics 7*, ed. Bernardo et al, Oxford University Press, Oxford, pp.385–401, including discussion.
- E-68 Kadane, J.B., Schervish, M. and Seidenfeld, T. (2004). “A Rubinesque Theory of Decision, “ in *A Festschrift for Herman Rubin*, edited by A. Dasgupta, pp. 45–55, Institute of Mathematical Statistics Lecture Notes, Volume 45.

- E-69 Kadane, J.B. (2005). “Optimal Dynamic Sample Allocation Among Strata,” *Journal of Official Statistics*, Vol. 21, No. 4, 531–541. (<http://repository.cmu.edu/statistics/25>)
- E-70 Kadane, J.B., Shmueli, G., Minka, T.P., Borle, S. and Boatwright, P. “Conjugate Analysis of the Conway-Maxwell-Poisson Distribution,” *Bayesian Analysis*, Volume 1, Number 2, posted online November 3, 2005, pp. 363–374.
- E-71 Garthwaite, P., Kadane, J.B. and O’Hagan, A.O. (2005). “Statistical Methods for Eliciting Probability Distributions,” *JASA*, **100**, 470 680–701.
- E-72 Brockwell, A. and Kadane, J.B. (2005). “Identification of Regeneration Times in MCMC simulation, with Application to adaptive schemes,” *Journal of Statistical Computation and Graphics*, **14**, 436–458.
- E-73 Fowler, M. S. and Kadane, J. B. (2006). “Oil and Gas on Indian Reservations: Statistical Methods Help to Establish Value for Royalty Purposes,” *Journal of Statistics Education* [Online], 14(3) [www.amstat.org/publications/jse/v14n3/kadane.html](http://www.amstat.org/publications/jse/v14n3/kadane.html)
- E-74 Schirokauer, O. and Kadane, J. B. (2007). Uniform Distributions on the Natural Numbers. *Journal of Theoretical Probability*, September, **20**, 3:429-441.

## F. Law

- F-1 Edited Book, **Statistics and the Law**, with Morris DeGroot and Steve Fienberg, J.Wiley and Sons, (1986). Reprinted 1994 in the Wiley Classics series with a new introduction.
- F-2 **A Probabilistic Analysis of the Sacco and Vanzetti Evidence** with David A. Schum, J. Wiley & Sons, (1996).
- F-3 Kadane, J.B. and Lehoczky, J. (1976). “Random Juror Selection from Multiple Lists,” *Operations Research*, (March - April), **24**: 207-19.
- F-4 Roth, A., Kadane, J.B., and DeGroot, M. (1977). “Optimal Peremptory Challenges in Trial by Juries: A Bilateral Sequential Process,” *Operations Research*, (November), **25**: 901-19.
- F-5 DeGroot, M. and Kadane, J.B. (1980). “Optimal Challenges for Selection,” *Operations Research*, (July - August), **28**: 952-968.
- F-6 Kairys, D., Kadane, J.B., and Lehoczky, J. (1977). “Jury Representativeness: A Mandate for Multiple Source Lists,” *California Law Review*, **65**: 776-827. Reprinted in the record of a hearing before the Subcommittee on Improvements in Judicial Machinery of the Committee on the Judiciary, U.S. Senate, September 28, 1977.

- F-7 Kadane, J.B. and Kairys, D. (1979). "Fair Numbers of Peremptory Challenges in Jury Trials," *Journal of the American Statistical Association*, (December), **74**: 747-753.
- F-8 Kadane, J.B. (1984). "After Hovey: A Note on Taking Account of the Automatic Death Penalty Jurors," *Law and Human Behavior*, **8**: 115-120.
- F-9 Fisher, F.M. and Kadane, J.B. (1983, 1991). "Empirically Based Sentencing Guidelines and Ethical Considerations," in **Research on Sentencing : The Search for Reform, Volume II**, Blumstein, Cohen, Martin and Tonry, editors, National Academy Press, 1983, 184-193. Reprinted in **Industrial Organization, Economics and the Law** by Franklin Fisher, edited by John Monz, MIT Press, 1991.
- F-10 Blumstein, A. and Kadane, J.B. (1983). "An Approach to the Allocation of Scarce Imprisonment Resources," *Crime and Delinquency*, (October), 546-559.
- F-11 Fienberg, S. and Kadane, J.B. (1983). "The Presentation Of Bayesian Statistical Analyses in Legal Proceedings," *The Statistician*, **32**: 88-98.
- F-12 Kadane, J.B. (1983). "Juries Hearing Death Penalty Cases: Statistical Analysis of a Legal Procedure," *Journal of the American Statistical Association*, (September), **78**: 544-552.
- F-13 Kadane, J.B. (1986). "Does Electronic Draw Poker Require Skill to Play," in DeGroot, Fienberg, and Kadane, eds. **Statistics and the Law**, 333-352, (with commentary), J. Wiley, New York.
- F-14 Bright, J.C., Kadane, J.B., and Nagin, D.S. (1988). "Statistical Sampling in Tax Audits," *Journal of Law and Social Inquiry*, **13**: 305-338.
- F-15 Kadane, J.B. (1990). "A Statistical Analysis of Adverse Impact of Employer Decisions". *Journal of the American Statistical Association*, **85**, 925-933.
- F-16 Kadane, J.B. and Schum, D. (1992). "Opinions in Dispute: The Sacco-Vanzetti Case," in **Bayesian Statistics 4**, J.M. Bernardo, J.O. Berger, A.P. Dawid and A.F.M. Smith, eds., Oxford University Press, 267-287.
- F-17 Kadane, J.B. (1993). "Subjective Bayesian Analysis for Surveys with Missing Data," *The Statistician*, (*Journal of the Royal Statistical Society, Series D*), **42**, 415-426. Correction: **45**, 539.
- F-18 Kadane, J.B. (1994). "Bayesian Decision Theory and the Legal Structure," *Aspects of Uncertainty: A Tribute to D.V. Lindley*, edited by Adrian Smith and Peter Freeman, J. Wiley and Sons, 261-266.
- F-19 Kadane, J.B. and Mitchell, C. (2000). "Statistics in Proof of Employment Discrimination Cases," in **Controversies in Civil Rights: The Civil Rights Act of 1964 in Perspective**, B. Grofman, editor, University of Virginia Press, 241-262.

- F-20 Kadane, J.B. and Terrin, N. (1997). “Missing Data in the Forensic Context,” *J.R. Statist. Soc. A*, **160**, 351-357.
- F-21 Roeder, K., Escobar, M., Kadane, J.B., and Balzas, I. (1998). “Measuring Heterogeneity in Forensic Databases using hierarchical Bayes models,” *Biometrika*, **85**, 2, pp. 269–287.
- F-22 Stasny, E., Kadane, J.B., and Fritsch, K.S. (1998). “On the Fairness of Death-Penalty Juries: A Comparison of Bayesian Models with Different Levels of Hierarchy and Various Mechanisms,” *Journal of the American Statistical Association*, **93**, 464–477.
- F-23 Terrin, N. and Kadane, J.B. (1998). Counting Cars in a Legal Case Involving Differential Enforcement, *Chance*, **11**, 3:25–27.
- F-24 Kadane, J.B., Stone, C., and Wallstrom, G. (1999) “The Donation Paradox for Peremptory Challenges,” *Theory and Decision*, 47:139–151.
- F-25 Kadane, J.B. (1999). “An Allegation of Examination Copying,” *Chance*, **12** 3:32–36.
- F-26 Kadane, J.B. (2000). “Forensic Statistics and Multiparty Bayesianism,” in *Statistical Science in the Courtroom*. Edited by J.L. Gastwirth, Springer-Verlag, 353–362.
- F-27 Connor, J.T. and Kadane, J.B. (2001). “Alleged Racial Steering in an Apartment Complex,” *Chance*, **14** 2:19-22.
- F-28 DiMatteo, I. and Kadane, J.B. (2001). “Vote Tampering in a District Justice Election in Beaver County, Pa.” *JASA*, **96** 454:510–518.
- F-29 Kadane, J.B. (2002) “Anatomy of a Jury Challenge,” *Chance*, **15**, 2:10–13. Reprinted in *Jurywork: Systematic Techniques*, ed. E. Krauss, 6-20 to 6-28, National Jury Project, Thompson/West: Egan, MN.
- F-30 Ware, M.J. and Kadane, J.B. (2002). “Chance and Skill in Games: Electronic Draw Poker” *Jurimetrics*, **43**, 1:129–134.
- F-31 Kadane, J.B. (2002). “Crossing Lines in a Patent Case,” *Chance*, **15**, 4:27-32.
- F-32 Algranati, D.J. and Kadane, J.B. (2004). “Extracting Confidential Information from Public Documents: The 2000 Department of Justice Report on the Federal Use of the Death Penalty in the United States,” *Journal of Official Statistics*, Vol. 20, 97–113.
- F-33 Kadane, J.B. (2005). “Ethical issues in being an expert witness,” *Law, Probability & Risk*, **4**, 21–23.
- F-34 Woodworth, G. and Kadane, J.B. (2004). “Expert Testimony Supporting Post-Sentence Civil Incarceration of Violent Sexual Offenders,” *Law, Probability and Risk*, **3**, 221–241.
- F-35 Kadane, J.B. (2006). “Misuse of Bayesian Statistics in Court,” *Chance*, **19**, 2, 38–42 (with comment).



- F-36 Kadane, J.B. (2008). **Statistics and the Law**, Kadane, J.B., editor. Oxford University Press.
- F-37 Perlin, M.W., Kadane, J.B., Cotton, R.W. (2009). “Match likelihood ratio for uncertain genotypes,” *Law, Probability and Risk*, **8(3)**, 289–302.
- F-38 Kadane, J.B. (2009). “Calculating remittiturs,” *Law, Probability and Risk*, **8**, 125–131, doi:10.1093/lpr/mgp006.
- F-39 Kadane, J.B. (2009). “Response to Professor Haug,” *Law, Probability and Risk*, **8**, 137, doi:10.0193/lpr/mgp007.
- F-40 Kadane, J.B. and Lamberth, J. (2009). “Are blacks egregious speeding violators at extraordinary rates in New Jersey?” *Law, Probability and Risk*, **8**, 139–152; doi:10.1093/lpr/mgp014.
- F-41 Kadane, J.B. (2009). “Decision analysis on whether to accept a remittitur,” *Review of Law & Economics*, Vol. 5, Iss. 1, Article 29. doi: 10.2202/1555-5879.1386. Available at <http://www.bepress.com/rle/vol5/iss1/art29>.
- F-42 Woodworth, G. and Kadane, J.B. (2010). “Age- and time-varying proportional hazards models for employment discrimination.” *Annals of Applied Statistics*, **4**, 3, 1139–1157.

## G. Management Science

- G-1 Shoemaker, R.W., Staelin, R., Kadane, J.B., and Shoaf, F.R. (1977). “Relation of Brand Choice to Purchase Frequency,” *Journal of Marketing Research*, **4**: 458-68.
- G-2 Kadane, J.B. and Larkey, P.D. (1982). “Subjective Probability and the Theory of Games,” *Management Science*, (1982), **28**: 113-120. (<http://repository.cmu.edu/statistics/39>)
- G-3 Kadane, J.B. and Larkey, P.D. (1982). “Reply to Professor Harsanyi,” *Management Science*, (1982), **28**: 124.
- G-4 Kadane, J.B. and Larkey, P.D. (1983). “The Confusion of Is and Ought in Game Theoretic Contexts,” *Management Science*, **29**: 1365-1379. (<http://repository.cmu.edu/statistics/37>)
- G-5 DeGroot, M.H. and Kadane, J.B. (1983). “Optimal Sequential Decisions in Problems Involving More than One Decision Maker,” **1982 Proceedings of the ASA Business and Economics Section**, 10-14 and in **Recent Advances in Statistics-Papers Submitted in Honor of Herman Chernoff’s Sixtieth Birthday**, editors H. Rizvi, J.S. Rustagi and D.Siegmund, Academic Press, 197-210
- G-6 Kadane, J.B. (1985). “Opposition of Interest in Subjective Bayesian Theory,” *Management Science*, **31**: 1586-1588. (<http://repository.cmu.edu/statistics/36>)

- G-7 Kadane, J.B. and Winkler, R.L. (1987). “DeFinetti’s Method of Elicitation,” **Probability and Bayesian Statistics**, R. Viertl, ed., Plenum Press, NY., 279-284
- G-8 Kadane, J.B. and Winkler, R.L. (1988). “Separating Probability Elicitation from Utilities,” *Journal of the American Statistical Association*, **83**: 357-363.
- G-9 Seidenfeld, T., Kadane, J.B., and Schervish, M. (1990). “Decisions without Ordering,” **Acting and Reflecting: The interdisciplinary Turn in Philosophy**, W. Seig, ed., Kluwer Academic Publishers, Holland, 143-170.
- G-10 Seidenfeld, T., Kadane, J.B., and Schervish, M. (1989). “On the shared preferences of two Bayesian decision-makers,” *Journal of Philosophy*, **5**, 225-244. Reprinted in **The Philosopher’s Annual**, Vol XII, (1989), 243-262.
- G-11 Schervish, M., Seidenfeld, T., and Kadane, J.B. (1992). “Small Worlds and State Dependent Utilities,” pp 207-215 in **Bayesian Analysis in Statistics and Econometrics**, P. Goel and N.S. Iyengar, eds., Lecture Notes in Statistics #75, New York: Springer-Verlag.
- G-12 Schervish, M.J., Seidenfeld, T., and Kadane, J.B. (1990). “State Dependent Utilities,” *Journal of the American Statistical Association*, **85**, 840-847.
- G-13 Seidenfeld, T., Schervish, M.J., and Kadane, J.B. (1990). “When Fair Betting Odds are Not Degrees of Belief,” *PSA*, Vol. I, published by the Philosophy of Science Association, pp. 517-524.
- G-14 Kadane, J.B. (1992). “Healthy Scepticism as an Expected-Utility Explanation of the Phenomena of Allais and Ellsberg,” in *Decision Making under Risk and Uncertainty: New Models and Empirical Findings*, J. Geweke, editor, pp. 11-16 and in *Theory and Decision*, **32**, 57-64.
- G-15 Kadane, J.B. and Seidenfeld, T. (1992). “Equilibrium, Common Knowledge and Optimal Sequential Decisions,” **Knowledge, Belief, and Strategic Interaction**, C. Bicchieri and M.L. Dalla Chiara, editors, pp. 27-45, Cambridge University Press.
- G-16 Kadane, J.B., Levi, I., and Seidenfeld, T. (1992). “Elicitation for Games,” **Knowledge, Belief, and Strategic Interaction**, C. Bicchieri and M.L. Dalla Chiara, editors, pp. 21-26, Cambridge University Press.
- G-17 Schervish, M., Seidenfeld, T., and Kadane, J.B. (1991). “Shared Preferences and State Dependent Utilities,” *Management Science*, **37**, 1575-1589.(<http://repository.cmu.edu/statistics/35>)
- G-18 Kadane, J.B. (1993). “Several Bayesians: A Review,” with discussion. *TEST*, **2**, No. 1-2, 1-32.
- G-19 Larkey, P., Kadane, J.B., Austin, R., and Zamir, S. (1997). “Skill in Games” *Management Science*, **43**, 596–609. (<http://repository.cmu.edu/statistics/34>)



- G-20 Bordley, R.F. and Kadane, J.B. (1999). Experiment-Dependent Priors in Psychology & Physics, *Theory and Decision*, **47**: 213–227.
- G-21 **Rethinking the Foundations of Statistics**, (1999). Edited by J.B. Kadane, M. Schervish and T. Seidenfeld, Cambridge University Press. (Reprints a number of our joint papers).
- G-22 Boatwright, P., Borle, S. and Kadane, J.B. (2003). “A Model of the Joint Distribution of Purchase Quantity and Timing,” *JASA*, Sept. 2003, 98, 564–572.
- G-23 Borle, S., Boatwright, P., Kadane, J.B., Nunes, J.C. and Shmueli, G. (2005). “The Effect of Product Assortment Changes on Customer Retention,” *Marketing Science*, **24**, 4, Fall 2005, 616–622. (<http://repository.cmu.edu/statistics/33>)
- G-24 Kadane, J. B., Krishnan, R., and Shmueli, G. (2006). “A Data Disclosure Policy for Count Data Based on the COM-Poisson Distribution.” *Management Science*, Vol. 52, No. 10, October, pp. 1610-1617.
- G-25 Borle, S., Boatwright, P. and Kadane, J.B. (2006). “The Timing of Bid Placement and Extent of Multiple Bidding: An Empirical Investigation Using Ebay Online Auctions,” *Statistical Science*, vol 21, #2, pp 194–205.
- G-26 Kadane, J.B., Schervish, M.J. and Seidenfeld, T. “Is Ignorance Bliss?,” (2008) *Journal of Philosophy*. **60**, 1, 5–36.
- G-27 Lu, J., Kadane, J.B. and Boatwright, P. (2008). “The Dirt on Bikes: An Illustration of CART Models for Brand Differentiation,” *Journal of Product and Brand Management*. **17**, 317-326.
- G-28 Schervish, M., Seidenfeld, T. and Kadane, J.B. (2009). “Proper scoring rules, dominated forecasts, and coherence,” *Decision Analysis*, Vol. 6, No. 4. doi: 10.1287/deca.1090.0153.
- G-29 Kadane, J.B. and Bellone, G. (2009). “DeFinetti on Risk Aversion,” *Economics and Philosophy*, Vol. 25, Issue 2, pp. 153–159, doi: 10.1017/S0266267109990022.
- G-30 Boatwright, P., Borle, S., and Kadane, J.B. (2009). “Common Value vs. Private Value Categories in Online Auctions: A distinction without a difference?,” *Decision Analysis*, published online before print August 20, 2009, doi: 10.1287/deca.1090.0150.
- G-31 Seidenfeld, T., Schervish, M.J. and Kadane, J.B. (2010). “Coherent Choice Functions Under Uncertainty,” *Synthese*, Vol. 172, No. 1. doi: 10.1007/s11229-009-9470-7.
- G-32 Kadane, J.B. (2009). “Bayesian Thought in Early Modern Detective Stories: Monsieur Lecoq, C. Auguste Dupin and Sherlock Holmes,” *Statistical Science*, Vol. 24, No. 2, 238–243. DOI: 10.1214/09-STS298.

## H. Psychology, Medicine, and Biology

- H-1 **Bayesian Methods and Ethics in a Clinical Trial Design**, edited volume, J. Wiley & Sons, (1996). Also author of the following chapters: 1. Introduction; 4. Statistical Issues in the Analysis of Data Gathered in the New Designs (with Teddy Seidenfeld); 5. Introduction to the Verapamil/Nitroprusside Study; 11. Operational History and Procedural Feasibility; 12. Results of the Clinical Trial I, with Nell Sedransk; 13. Verapamil versus Nitroprusside: Results of the Clinical Trial II, with E.S. Heitmiller, Nell Sedransk and T.J.J. Blanck; 19. Epilogue.
- H-2 Erb, J., Kadane, J.B., Frohman, C., Kline, D., Schervish, M., Schiff, J, Schiff, S., Taub, L., and Warner, K. **A Programme for Schizophrenia**, Self-Publishing Association, Ltd. and Cathexis Institute, Upton-Upon-Severn, Worcester, U.K. 87 pages, 1990.
- H-3 Mayer, R.E., Larkin, J., and Kadane, J.B. (1984). “A Cognitive Analysis of Mathematical Problem Solving Ability,” **Advances in the Psychology of Human Intelligence, Volume 2**, Robert J. Sternberg, Editor, 231-273.
- H-4 Kokini, J., Kadane, J.B., and Cussler, E.L. (1977). “Liquid Texture Perceived in the Mouth,” *Journal of Texture Studies*, **8**: 458-68.
- H-5 Kadane, J.B., Larkin, J.H., and Mayer, R.H. (1981). “A Moving Average Model for Sequenced Reaction-Time Data,” *Journal of Mathematical Psychology*, **23**: 115-133.
- H-6 Erb, J.L., Kadane, J.B., and Tourney, G. (1981). “Discrimination Between Schizophrenic and Control Subjects by Means of DHEA Measurements,” *Journal of Clinical Endocrinology and Metabolism*, **52**: 181-186.
- H-7 Kadane, J.B. and Sedransk, N. (1980). “Toward a More Ethical Clinical Trial,” in **Bayesian Statistics**, Bernardo, DeGroot, Lindley and Smith, eds., University Press, Valencia, 329-338.
- H-8 Sophian, C., Larkin, J., and Kadane, J.B. (1985). “A Developmental Model of Search: Stochastic Estimation of children’s rule use,” **Children’s Searching: The Development of search skill and spatial representation** H. Wellman, ed., Hillsdale, N.J.: Erlbaum, 185-214.
- H-9 Kadane, J.B., Larkin, J.H., and Mayer, R.E. (1987). “An Information Processing Model Based on Reaction Times in Solving Linear Equations,” **Contributions to the Theory and Application of Statistics**, A. Gelfand, ed., Academic Press, NY. (1987), 273-301
- H-10 Kadane, J.B. (1986). “Progress Toward a More Ethical Method for Clinical Trials,” *Journal of Medicine and Philosophy*, **11**: 385-404.
- H-11 Kadane, J.B. (1994). “An Application of Robust Bayesian Analysis to a Medical Experiment,” *Journal of Statistical Planning and Inference*, **40**, 221-232.

- H-12 Etzioni, R. and Kadane, J.B. (1995). “Bayesian Statistical Methods in Public Health and Medicine,” in *Annual Review of Public Health*, **16**, 23-41.
- H-13 Kadane, J.B. and Wolfson, L.J. (1996). “Priors for the Design and Analysis of Clinical Trials,” **Bayesian Biostatistics**, edited by D. Berry and D. Stangl, eds, Marcel Dekker, New York, 157-184.
- H-14 Kadane, J.B. (1995). “Prime Time for Bayes,” *Clinical Trials*, **16**, 313-318.
- H-15 Carlin, B.P., Kadane, J.B., and Gelfand, A.E. (1998). “Approaches for Optimal Sequential Decision Analysis in Clinical Trials,” *Biometrics*, *54*, pp. 964-975.
- H-16 Kadane, J.B., Vlachos, P. and Wieand, S. (1998). “Decision Analysis for a Data Monitoring Committee of a Clinical Trial,” **Proceedings of the International Workshop on Decision Analysis Applications**, edited by Giron and Martinez, Kluwer Academic Publishers:Boston/Dordrecht/London, pp. 115-121.
- H-17 Ball, F.G., Cai, Y., Kadane, J.B., and O’Hagan, A. (1999). “Bayesian inference for ion-channel gating mechanisms directly from single-channel recordings, using Markov chain Monte Carlo,” **Proceedings of the Royal Society of London, Series A: Mathematical, Physical and Engineering Sciences**, 455, 2879–2932.
- H-18 Kadane, J.B. and Vlachos, P. (2002). “Hybrid Methods for Calculating Optimal Few Stage Sequential Strategies: Data Monitoring for a Clinical Trial,” *Statistics and Computing*, **12**, 147-152.
- H-19 Larget, B., Simon, D. and Kadane, J.B. (2002) “Bayesian Phylogenetic Inference from Mitochondrial Genome Arrangements,” *Journal of the Royal Statistical Society, Series B*, **64**, Part 4, 681–693. with discussion.
- H-20 London, A. and Kadane, J.B. (2002). “Placebos that Harm: Sham Surgery Controls in Clinical Trials,” *Statistical Methods in Medical Research*, vol. 11, no. 5, pp. 413-427.
- H-21 Kadane, J.B. (2005). “Bayesian Methods for Health-Related Decision Making,” *Statistics in Medicine*, **24**:563–567.
- H-22 London, A. and Kadane, J.B. (2003). “Sham Surgery and Genuine Standards of Care: Can the Two be Reconciled?,” *American Bioethics Journal*, Vol. 3, 4, 61–64.
- H-23 Larget, B., Simon, D.L., Kadane, J.B. and Sweet, D. (2005) “A Bayesian Analysis of Metazoan Mitochondrial Genome Arrangements,” *Molecular Biology and Evolution*, vol. 22, 486–495.
- H-24 Larget, B., Kadane, J. B. and Simon, D.L. (2005). “A Bayesian Approach to the estimation of ancestral genome arrangements,” *Molecular Phylogenetics and Evolution*, **36**, 214–223.

- H-25 Crane, H.M., Kadane, J.B., Crane, P.K. and Kitahata, M.M. (2006). “Diabetes Case Identification methods for Electronic Medical Record Systems Data: their use in HIV-infected patients,” *Current HIV Research*, **4**, 97–106.
- H-26 Buzoianu, M. and Kadane, J.B. (2008). “Adjusting for Verification Bias in Diagnostic Test Evaluation: A Bayesian Approach,” *Statistics in Medicine*, **27** (13), 2453–73.
- H-27 Buzoianu, M. and Kadane, J.B. (2009). “Optimal Bayesian Design for Patient Selection in a Clinical Trial,” *Biometrics*, Sep;65(3):953-61. Epub 2008 Nov 14. PubMed PMID: 19021600.

## I. Environmental and Physical Sciences

- I-1 Davidson, C., Honrath, R., Kadane, J.B., Tsay, R.S., Mayewski, P.A., Lyons, W.B., and Heidam, N.Z. (1987). “The Scavenging of Atmospheric Sulfate in Arctic Snow,” *Atmospheric Environment*, **21:4**: 871-882.
- I-2 Kadane, J.B. and Hastorf, C. (1988). “Bayesian Paleoethnobotany,” **Bayesian Statistics III**, ed. by J. Bernardo, M. DeGroot, D.V. Lindley and A.F.M. Smith, Oxford University Press, 243-259.
- I-3 Kadane, J.B. (1988). “Possible Statistical Contributions to Paleoethnobotany,” **Current Paleoethnobotany: Analytical Methods and Cultural Interpretations of Archeological Plant Remains**, ed. by Christine Hastorf and Virginia S. Popper, University of Chicago Press, 206-214.
- I-4 Crawford, S., DeGroot, M.H., Kadane, J.B., and Small, M.J. (1992). “Modeling Lake Chemistry Distributions: Approximate Bayesian Methods For Estimating A Finite Mixture Model.” *Technometrics*, (1992), **34**, 441-453. (This paper won the Frank Wilcoxon Award for the Best Applied Paper in Technometrics in 1992).
- I-5 Kadane, J.B. (1993). “Bayesian Methods: An Introduction for Physical Oceanographers,” **Statistical Methods in Physical Oceanography**, ed. by P. Muller and D. Henderson, SOEST Publication Services, Honolulu, HI, 241-247.
- I-6 Chan, N.H., Kadane, J.B., Miller, R.N., and Palma, W. (1996). “Estimation of Tropical Sea Level Anomaly by an Improved Kalman Filter,” *Journal of Physical Oceanography*, **26**, 1285-1303.
- I-7 Wolfson, L.J., Kadane, J.B., and Small, M.J. (1996). “Expected Utility as a Policy Making Tool: An Environmental Health Example,” **Bayesian Biostatistics**, edited by D. Berry and D. Stangl, 261-277, Marcel Dekker, New York.
- I-8 Wolfson, L.J., Kadane, J.B., and Small, M.J. (1996). “Bayesian Environmental Policy Decisions: Two case studies,” *Ecological Applications*, 6:4, p. 1056-1066. (<http://repository.cmu.edu/statistics/46>)

- I-9 Wolfson, L.J., Kadane, J.B., and Small, M.J. (1997). “A Subjective Bayesian Approach to Environmental Sampling,” in **Case Studies in Bayesian Statistics: Volume III**, Gatsonis, G., Hodges, J.S., Kass, R.E., McCulloch, Rossi, P. and Singpurwalla, N.D. (eds), Springer Verlag, pp. 457–468.
- I-10 Chan, N.H., Kadane, J.B. and Jiang, T. (1998). “Time series analysis of diurnal cycles in small scale turbulence.” *Environmetrics* **9**, 235–244.
- I-11 Chan, N.H., Kadane, J.B. and Palma, W. (1997). Multiple trend breaks and unit roots of tropical sea levels. **Proceedings of the ASA**, 13-24.
- I-12 Kadane, J.B., Diggs, B., Genovese, C., Li, S-t., Swendsen, R. (1997). Markov Chain Monte Carlo Methods for Bayesian Analysis, *'Aha Huliko'a: Monte Carlo Simulations in Oceanography*, Proceedings of the Hawaiian Winter Workshop, SOEST Special Publication, pp. 41-44.(<http://repository.cmu.edu/statistics/45>)
- I-13 Swendsen, R.H., Diggs, B., Genovese, C., Kadane, J.B., and Li, S-T. (1997). A Tale of Two Chains: Experiences from a Collaboration Between Statisticians and Physicists. *'Aha Huliko'a: Monte Carlo Simulations in Oceanography*, Proceedings of the Hawaiian Winter Workshop, SOEST Special Publication, pp. 45-48.(<http://repository.cmu.edu/statistics/44>)
- I-14 Diggs, B., Genovese, C., Kadane, J.B. and Swendsen, R.H. (1999). “Bayesian Analysis of Series Expansions,” *Computer Physics Communications*, 121–122, 1-4.
- I-15 Swendsen, R.H., Diggs, B., Wang J-S., Li, S-T., Genovese, C. and Kadane, J.B. (1999) “Transition Matrix Monte Carlo,” *International Journal of Modern Physics, C*, Vol. 10, No. 8 pp. 1563–1569.
- I-16 Arjunwadkar, M., Fasnacht, M., Kadane, J.B. and Swendsen, R. (2003). “A Bayesian Analysis of Monte Carlo Correlation Times for the Two-dimensional Ising Model,” *Physica A*, 323, pp. 487–503.
- I-17 DeKay, M.L., Small, M.J., Fischbeck, P.S., Farrow, R.S., Cullen, A., Kadane, J.B., Lave, L.B., Morgan, M.G. and Takemura, K. (2002) “Risk-based decision analysis in support of precautionary policies,” *Journal of Risk Research*, **5**(4), 391–417.
- I-18 Lazar, N., Kadane, J.B., Chen, F. (2003). “Movies for the Visualization of Output from a Bayesian Analysis of Corbelled Domes,” *Computer Applications and Quantitative Methods in Archeology*, M. Doerr and A.Sarris, eds., Hellenic Ministry of Culture, Athens, pp. 281-286
- I-19 Lazar, N., Kadane, J.B., Chen, F., Cavanaugh, W. and Litton, C.D. (2004). “Corbelled Domes in Two and Three Dimensions: The treasury of Atreus,” *International Statistical Review*, Vol. 72, No. 2, pp. 239–255.

I-20 Chu, N., Kadane, J.B. and Davidson, C.I. (2009). “Identifying Likely PM Sources on Days of Elevated Concentration: A Simple Statistical Approach,” *Environmental Science & Technology*, Apr 1; 43(7); 2407-2411, PubMed PMID: 19452894, DOI: 10.1021/es80158z, <http://pubs.acs.org>.

Chu, N., Kadane, J.B. and Davidson, C.I. (2010). “Using Statistical Regressions to Identify Factors Influencing PM<sub>2.5</sub> Concentrations: The Pittsburgh Supersite as a Case Study,” *Aerosol Science and Technology*, 44: 9, 766–774. DOI: 10.1080/02786826.2010.490798. <http://dx.doi.org/10.1080/02786826.2010.490798>.

## J. Published Comments

J-1 Kadane, J.B. (1979). Comment on “Conditional Independence in Statistical Theory” by A.P. David, *Journal of the Royal Statistical Society*, B **41**: 18.

J-2 Kadane, J.B. (1979). Comment on “On the Reconciliation of Probability Assessments” by D.V. Lindley, A. Tversky and R.V. Brown. *Journal of the Royal Statistical Society*, A, **142**: 174.

J-3 Kadane, J.B. (1980). Comment on “Sampling and Bayes’ Inference in Scientific Modeling and Robustness” by George E.P. Box. *Journal of the Royal Statistical Society*, A, **143**: 421.

J-4 Kadane, J.B. (1980). Comments on various papers in **Bayesian Statistics**, edited by Bernardo, DeGroot, Lindley and Smith, University Press, Valencia, Spain, pp. 135, 315, 529, 573.

J-5 Kadane, J.B. (1981). Comment on “Modeling Demographic Relationships: An Analysis of Forecast Functions for Australian Births,” by John McDonald, *Journal of the American Statistical Association*, **76**: 792.

J-6 Kadane, J.B. (1982). Comment on “The Well-Calibrated Bayesian,” by A.P. Dawid, *Journal of the American Statistical Association*, **77**: 610, 611

J-7 Kadane, J.B. (1985). Comment on “Toward Evaluation the Cost-Effectiveness of Medical and Social Experiments” by F. Mosteller and M.C. Weinstein. in **Social Experimentation**, edited by J. Hausman and D. Wise, University of Chicago Press, 246-247.

J-8 Kadane, J.B. (1984). Emergency Message: Comments on “Communicating With People During Emergencies” (p.45) and Idle Talk: Comments on “Gossip, Information, and Decision Making” (pp.109,110) in **Advances in Information Processing in Organizations**, Vol. I, P. Larkey and L. Sproul, eds. JAI Press, Greenwich, Conn.

J-9 Kadane, J.B. (1986). Comment on “Regression Models for Adjusting the 1980 Census,” by D.A. Freedman and W.C. Navidi, *Statistical Science*, **1**: 12-17.



- J-10 Kadane, J.B. (1988). “To Teach or Not to Teach Statistics,” a comment on “Should Mathematicians Teach Statistics,” by David Moore, *The College Mathematics Journal*, (March), **19**: 164.
- J-11 Kadane, J.B. (1987). Comment on “Bayesian Testing of Precise Hypotheses,” by J. Berger and M. Delampady, *Statistical Science*, **2**: 347-348.
- J-12 Kadane, J.B. (1987). Comment on “Uncertainty, Policy Analysis and Statistics,” by James S. Hodges, *Statistical Science*, **2**: 281-282.
- J-13 Kadane, J.B. (1988). Comment on “Statistical Inference Concerning Hardy-Weinberg Equilibrium,” by D. V. Lindley, **Bayesian Statistics III**, J. Bernardo, M. DeGroot, D. V. Lindley and A. M. F. Smith, eds., Oxford University Press, 324-325.
- J-14 Kadane, J.B. (1992). “Some Remarks on ‘Some Remarks on Bayesian Perturbation, Diagnostics and Robustness,’” in **Bayesian Analysis in Statistics and Econometrics**, P. Goel and N.S. Iyengar, eds., Lecture Notes in Statistics, **75**, Springer-Verlag, New York, 298-300.
- J-15 Kadane, J.B. (1990). “Codifying Chance: A Comment on ‘Quantifying Probabilistic Expressions’ ,” by F. Mosteller and C. Youtz, *Statistical Science*, **5**, 18-20.
- J-16 Kadane, J.B. (1990). Comment on “The Present Position of Bayesian Statistics,” by Dennis Lindley, *Statistical Science*, **5**, 80-82.
- J-17 Ericksen, E. and Kadane, J.B. (1991). Comment on “Total Error in PES Estimates of Population” by Mary Mulray and Bruce Spencer, *Journal of the American Statistical Association*, **86**, 855-857.
- J-18 Ericksen, E. and Kadane, J.B. (1992). Comment on “Should we have adjusted the Census of 1980?” by David Freedman and W.C. Navidi, *Survey Methodology*, **18**, 52-58.
- J-19 Kadane, J.B. (1993). “Sausages and the Law: Juror Decisions in the Much Larger Justice System,” **Inside the Juror: The Psychology of Juror Decision Making**, R. Hastie, ed. Cambridge University Press, 221-234.
- J-20 Kadane, J.B. (1993). Comments on “The Psychology of Choice” by Robert Bordley, **Proceedings of the Section on Bayesian Statistical Science and International Society for Bayesian Analysis**, joint meeting, San Francisco, 128-129.
- J-21 Kadane, J.B. and Srinivasan, C. (1994). Comment on “An Overview of Robust Bayesian Analysis” by J. Berger, *TEST*, **3**, 93-95.
- J-22 Ericksen, E., Kadane, J.B., and Fienberg, S. (1994). Comment on papers by Leo Breiman, David Freedman and Kenneth Wachter, and Thomas Belin and John Rolph, *Statistical Science*, **9**, 511-515.

- J-23 Kadane, J.B. (1996). Response to Keith O'Rourke, **Controlled Clinical Trials**, **17**, 352.
- J-24 Kadane, J.B. (1996). Comment on "Robust Bayesian Design and Analysis of Clinical Trials Via Prior Partioning" by D.J. Sargent and B.P. Carlin in **Bayesian Robustness, Proceedings of the Workshop on Bayesian Robustness**, J.O. Berger, B. Betro, E. Moreno, L.R. Pericchi, F. Ruggeri, G. Salinetti and L. Wasserman, eds., Rimini, Italy 190-191.
- J-25 Kadane, J.B. (1996). Comment on "Scoring Rules and the Evaluation of Probabilities," by R. Winkler, **TEST**, **5**, 1-60.
- J-26 Roeder, K., Escobar, M. and Kadane, J.B. (1997). Comment on Foreman, Smith and Evett paper, *Journal of the Royal Statistical Society, Series A*, **160**, 429-69.
- J-27 Kadane, J.B. (1998). Comment on "Not Asked and Not Answered: Multiple Imputation for Multiple Surveys," by Andrew Gelman, Gary King and Chuanhai Liu, *Journal of American Statistical Association*, **93**, 867-868.
- J-28 Kadane, J.B. (1998). Comment on "Predictive Inference and Statistical Modelling," by E. Regazzini, in **Bayesian Statistics 6**, edited by Bernardo, et al., 585–586.
- J-29 Kadane, J.B., Roeder, K. and Escobar, M. (1998). Comment on "Hierarchical Models for DNA Profiling Using Heterogeneous Databases," by A.P. Dawid and J. Pueschel, in **Bayesian Statistics 6**, edited by Bernardo et al., 208–209.
- J-30 Kadane, J.B. (1998). Comment on "Bayesian Methods in the Atmospheric Sciences," by M. Berliner, J.A. Royle, C.K. Wilke and R.F. Millif, in **Bayesian statistics 6**, edited by Bernardo et al., 98–99.
- J-31 Kadane, J.B. (1999). Comment on "Bridging Different Eras in Sports," by S.M. Berry, S. Reese and P.D. Larkey, *Journal of the American Statistical Association*, **94**:99.
- J-32 Kadane, J.B., Schervish, M.J. and Seidenfeld, T. (2001). "Goldstein's Dilemma: Abandon Finite Additivity or Abandon 'Prevision of prevision'," *Journal of Statistical Planning and Inference*, **94**: 89-91.
- J-33 Kadane, J.B. (2003). Comment on "Statistics and Causal Inference: A Review" by Judea Pearl. *TEST*, **12**, 331–337.
- J-34 Kadane, J.B. (2003). Comment on S.A. Murphy's "Optimal Dynamic Treatment Regimes," *JRSSB*, **65**:331-366.
- J-35 Kadane, J.B. (2003). "Discussion of the paper of Zohar and Geiger," in *Bayesian Statistics 7*, ed Bernardo et al, Oxford University Press, Oxford, pp.437-438.



- J-36 Schervish, M.J., Seidenfeld, T. and Kadane, J.B. (2004). “Stopping to Reflect,” *The Journal of Philosophy*, Vol. CI, 6, 315–322.
- J-37 Ronquist, F., Larget, B., Huelsenbeck, J.P., Kadane, J.B., Simon, D. and van der Mark, P. (2005). Comment on “Phylogenetic MCMC Algorithms are Misleading on Mixtures of Trees,” *Science*, Vol. 312, April, pp. 367a-368a.
- J-38 Kadane, J.B. (2007). Comment on “Subjective Likelihood for the Assessment of Trends in the Ocean’s Mixed-Layer Depth,” by Rappold, Lavine and Lozier, for *Journal of the American Statistical Association*, **102**, 781–782.
- J-39 Kadane, J.B. (2007). “Load Factors, Crowdedness and the Cauchy-Scharz Inequality,” *Chance*, **21**, 1, 33–34.
- J-40 Kadane, J.B. (2008). “Bayesian Views of an Archeological Find”, *Annals of Applied Statistics*, **2**, 97–98
- J-41 Kadane, J.B. (2008). “A Subjectivist Response to Objections to Bayesian Statistics.” Comment on “Objections to Bayesian Statistics,” by Andrew Gelman. *Bayesian Analysis*, p. 455-458, posted online 2008-08-19.

## K. Full Book Reviews

- K-1 Kadane, J.B. (1973). Significance Tests by Evelyn Caulcott, *Journal of the American Statistical Association*, (December) **68**: 1025.
- K-2 Kadane, J.B. (1973). Statistics: With A View Toward Applications by Leo Breiman, *Journal of the American Statistical Association*, (December), **68**: 1025
- K-3 Kadane, J.B. (1975). Bayesian Inference in Statistical Analysis by George E.P. Box and George Tiao. *Journal of the American Statistical Association*, (March), **70**: 248-9.
- K-4 Kadane, J.B. (1975). Handbook of Applied Mathematics, Ed. by Pearson. *Journal of the American Statistical Association*, (December), **70**: 964.
- K-5 Kadane, J.B. (1976). Structural Equation Models in the Social Sciences, Ed. by Goldberger and Duncan. *Journal of Econometrics*, (February), **4**, 97.
- K-6 Kadane, J.B. (1978) Exploratory Data Analysis by John Tukey. *Science*, (April 14), **200**: 195.
- K-7 Kadane, J.B. (1984). The 1980 Census: Policymaking Amid Turbulence by Ian I. Mitroff, Richard O. Mason, and Vincent P. Barabba. *Journal of the American Statistical Association*, (June), **79**: 467-469.

- K-8 Kadane, J.B. (1984). Structural Analysis of Discrete Data with Econometric Applications, edited by Charles Manski and Daniel McFadden, *Technometrics*, (November), **26**: 415,
- K-9 Kadane, J.B. (1990). Estimating and Choosing, by G. Matheron, translated by A.M. Hasofer, *Journal of the American Statistical Association*, **85**, 1167-68.
- K-10 Kadane, J.B. (1991, 1992). Statistical Modeling: Applications in Contemporary Issues, by William Mallios, *Journal of the American Statistical Association*, (1991), **86**, 546-547; Reply (1992) **87**, 595.

### L. Short Book Reviews

- L-1 Kadane, J.B. (1971). Linear Optimization, by W. Allen Spivey and Robert M. Thrall, *Journal of the American Statistical Association*, (December), **66**: 924.
- L-2 Kadane, J.B. (1972). Optimization Under Constraints: Theory and Applications of Non-linear Programming by Peter Whittle, *Journal of the American Statistical Association*, (September), **67**: 721.
- L-3 Kadane, J.B. (1972). Preferences, Utility and Demand, John S. Chipman et. al., Eds., *Journal of the American Statistical Association*, (September), **67**: 722.
- L-4 Kadane, J.B. (1972). Modern Mathematical Methods for Economics and Business, by Ronald E. Miller, *Journal of the American Statistical Association*, (December), **67**: 964.

### M. Unpublished Papers

- M-1 Kadane, J.B. "Identification of Functions of Parameters."
- M-2 Kadane, J.B. "How to Burgle If You Must; A Decision Problem," CNA Professional Paper Number 54.
- M-3 Kadane, J.B. "Chronological Ordering of Archeological Deposits by the Minimum Path Length Method," Department of Statistics, Carnegie-Mellon University, Technical Report Number 58.
- M-4 Kadane, J.B. and Iverson, G. "Estimation of Multinomial Processes When Only the Sum and the Number Governed by Each Process is Observed," CNA Professional Paper Number 72.
- M-5 Dickey, J. and Kadane, J.B. "Simplification of Predictors When the Utility has Probability Density Form."
- M-6 Kadane, J.B., Henderson, H.V., and Searle, S.R. "A Note On Solving Matrix Equations Using the Vec Operator."

- M-7 Kadane, J.B. and Lichtenstein, S. “A Subjectivist View of Calibration,” (Carnegie-Mellon University, Statistics Department Technical Report No. 233).
- M-8 Luginbuhl, J., Kadane, J.B., and Powers, T. “Death Scrupled Jurors: They are not always more lenient.” Technical Report No. 465, Department of Statistics, Carnegie Mellon University.
- M-9 Larkey, P.D., Smith, R.A., and Kadane, J.B. “Cognitive Illusions, Hot Hands & Streak Shooters in Basketball: A Critique of the Evidence.” Technical Report No. 480, Department of Statistics, Carnegie Mellon University.
- M-10 Schervish, M.J., Seidenfeld, T., and Kadane, J.B. “Two measures of incoherence: How not to gamble if you must,” Carnegie Mellon University Technical Report #660 (July 1997).
- M-11 Yang, X., Kadane, J.B., Crane, H.M. and Kitahata, M.M. “Lipid Analysis for HIV-Infected Patients: Does Fasting Bias Matter?” submitted to *Statistics in Medicine*.
- M-12 Crane, J. K. and Kadane, J. B. (2008). ‘ ‘Seeing Things: The Internet, the Talmud and Anais Nin,” *The Review of Rabbinical Judaism*, Koninklijke Brill NV, Leiden, 342–345. Also available online - [www.brill.nl](http://www.brill.nl).

## **N. Other Professional Work**

- N-1 Kadane, J.B. (1969). “Statistical Analysis of Event Data,” given at the Michigan State Conference on Event Data in Political Science, Spring.
- N-2 Kadane, J.B. (1969). “Preparation for Graduate Study in Mathematical Statistics,” given to the Conference on Preparation for graduate Study in Statistics of the CUPM Panel of Statistics, Denver, Colorado, March.
- N-3 Daniel, C., Tufte, and Kadane, J.B. (1971). “Statistics and Data Analysis in the Bureau of Drugs, of the Food and Drug Administration,” published by the U.S. Printing Office as part of a Report of the President’s Commission on Federal Statistics.
- N-4 Kadane, J.B. (1972). “Secrecy in Federal Statistics: Safety and Efficacy of New Drugs,” given at the IMA-AAA Meeting, Dartmouth, August.
- N-5 Kadane, J.B. (1973). “Jury Selection,” testimony to Government Study Commission, Allegheny County, July 16.
- N-6 Kadane, J.B. (1975). “Assessing Demand for Outdoor Recreation,” coauthor as member of NAS/NRC Committee on Assessment of Demand for Outdoor Recreation Resources, Government Printing Office.

- N-7 Kadane, J.B. (1976). "For What Use are Tests of Hypotheses and Tests of Significance? Introduction," *Communications in Statistics*, Vol. 5, Number 8, 735-6.
- N-8 Kadane, J.B. (1978). "A Personal Review of Recent Developments in the Robustness of Bayesian Decisions," Proceedings of the Seminar on Econometric Modeling in Taiwan, July 5, pp. 49-57.
- N-9 Duncan, G. and Kadane, J.B. (1980). "Advanced Problem 6314," *American Mathematical Monthly*.
- N-10 Kadane, J.B. (1984). Testimony before the Subcommittee on Census and Population, Committee on Post Office and Civil Service, House of Representatives, April 5, Washington, DC.
- N-11 Kadane, J.B. (1984). "Two Juries Best in Death Cases," Opinion Column in the Pittsburgh Press, July 13.
- N-12 Kadane, J.B. (1984). "Report of the ASA Technical Panel on the Census Undercount," coauthor as member of the panel, **American Statistician**, **38**, 252-256, Nov.
- N-13 Kadane, J.B. (1985). "The Bicentennial Census: New Directions for Methodology in 1990," coauthor as member of NAS/NRC Panel on Decennial Census Methodology, National Academy Press.
- N-14 Kadane, J.B. (1987). Testimony before the Subcommittee on Census and Population, Committee on Post Office and Civil Service, House of Representatives, August 17, San Francisco.
- N-15 Larkey, P., Smith, R., and Kadane, J.B. (1989). "It's Okay to Believe in the Hot Hand," *Chance*, pp. 22-30, reprinted in "Anthology of Statistics in Sports," Albert, J., Bennet, J. and Cochran, J.J. eds. SIAM, 155-162, (2005).
- N-16 Kadane, J.B. (1990). Testimony before the Subcommittee on Census and Population, Committee on Post Office and Civil Service, House of Representatives, January 30, Washington.
- N-17 Kadane, J.B. (1992). "Statistics" entry for the **Academic Press Dictionary of Science**, Marcus Boggs, ed., p. 2086.
- N-18 Kadane, J.B. (1994). "Imrey on Certification: A Comment," *American Statistician*, **48**, 73, 74.
- N-19 Daponte, B.O. and Kadane, J.B. (1994). "The Privacy Gap," op-ed article in Pittsburgh Post Gazette, March 19.
- N-20 Kadane, J.B. (1994). "Use of Statistics is Not Unfair to Employers," letter to the editor, National Law Journal, Monday, February 7.

- N-21 Kadane, J.B. (1995). “Advice for Advisors” in *Developing Intellectual Autonomy: On Advising and Mentoring Doctoral Students* Advising Handbook, S. Ambrose and C. Davidson, eds., published by the Carnegie Mellon University Teaching Center, pp 9-11.
- N-22 Kadane, J.B. (1996). “Jack Kevorkian: Tobacco Companies’ Savior?” letter to the editor, *National Law Journal*, June 10.
- N-23 Davis, O.A. and Kadane, J.B. (1992). “The Constitution of the Faculty: Some Observations on Governance,”
- N-24 Daponte, B.O. and Kadane, J.B. (1998). “Apportioning Responsibility,” Midweek Perspective column in the *Pittsburgh Post-Gazette*, July 29, 1998.
- N-25 Letter to the editor, *Pittsburgh Post-Gazette*, Dec. 30, 1998, on steel dumping.
- N-26 Kadane, J.B. (2004). “A Perspective on the Faculty,” in *The Innovative University*, Dan Resnick and Dana Scott, editors, Carnegie Mellon Press, pp 51–62.
- N-27 “Leonard J. Savage,” historical article, *ISBA Bulletin*, Fall 2001.
- N-28 Introduction to the paperback version of DeGroot’s **Optimal Statistical Decisions**.
- N-29 Huggins, P., Kadane, J. B. and Yoshida, R. (2005). “Fairground Game Computations,” letter to the editor of *Significance*, June, pp 92.
- N-30 Buchman, S. and Kadane, J.B. (2008) “Reweighting the Bowl Championship Series,” *Journal of Quantitative Analysis in Sports*, **4**, (3), article 2.
- N-31 Kadane, J.B. (with Anthony Brockwell), *Method and System for identifying regeneration points in a Markov Chain Monte Carlo Simulation*, Patent 7072811.
- N-32 Kadane’s algorithm (see Bentley, J. (1984) “Programming Pearls: algorithm design techniques,” *Communications of the ACM*, **27**, (9), 865-873
- N-33 Kadane, J.B. (2009). Contribution to the volume **Five Questions**, edited by Hajek, A. and Hendricks, V.F. Automatic Press, VIP.