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Martin A. Tanner, Ph.D.

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NAME: Martin Abba Tanner

BIRTHPLACE: Highland Park, Illinois

EDUCATION:

1982	Ph.D.	University of Chicago, Chicago, Illinois; Statistics
1981	M. S.	University of Chicago, Chicago, Illinois; Statistics
1978	B. A.	University of Chicago, Chicago, Illinois; Mathematics
1975	Graduate	Ida Crown Jewish Academy, Chicago, Illinois

PROFESSIONAL EXPERIENCE:

1995 (summer)	Visiting Professor, Department of Statistics and Econometrics, Australian National University
1994-present	Professor, Department of Statistics, Northwestern University, Evanston, Illinois.
1990-1994	Professor, Departments of Biostatistics and Statistics, Chair of the Department of Biostatistics, University of Rochester, Rochester, New York.
1992 (Summer)	Visiting Professor, Department of Biostatistics, University of Pittsburgh, Pittsburgh, Pennsylvania
1987-1990	Associate Professor, Departments of Statistics and Human Oncology, University of Wisconsin, Madison, Wisconsin.
1988 (Spring)	Visiting Associate Professor, Department of Applied Mathematics, Weizmann Institute of Science, Rehovot, Israel.
1982-1987	Assistant Professor, Departments of Statistics and Human Oncology, University of Wisconsin, Madison, Wisconsin.
1982	Assistant Professor, Mathematics Research Center, University of Madison, Wisconsin.

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1981 Lecturer, Department of Statistics, University of Chicago,
Chicago, Illinois (autumn quarter).

PROFESSIONAL SOCIETIES AND ACTIVITIES:

Editor- Chapman & Hall / CRC Texts in Statistical Science (1999-present)
National Research Council Doctoral Program Reviewer (2007)
Reviewer- Chicago Manual of Style, 15th Edition
Editor - Journal of the American Statistical Association- Theory and Methods (1999-02)
Associate Editor- Journal of the American Statistical Association (1988-1999)
American Association for the Advancement of Science (invited member)
American Statistical Association (member, referee)
Sigma Xi, University of Chicago Chapter, 1981 (member)
Journal of Multivariate Analysis (referee)
Canadian Journal of Statistics (referee)
Annals of Statistics (referee)
Technical Reviewer - Bureau of Justice Statistics, U.S. Department of Justice
Technical Reviewer - Veterans Administration, Department of Medicine and Surgery
Technical Reviewer - National Science Foundation
NIH Study Section - National Institute of Allergy and Infectious Diseases (1986)
NIH Study Section - Small Business Innovation Research Program (SBIR) (1987-1994)
NIH Study Section - Special Review Section (Biostatistics/Biomathematics) (1987-1994)
National Science Foundation – Review Panel (2005)
NIH Site Visit - Biostatistics (1988, 1990)
Regional Advisory Board - ENAR (1987-1990)
Electorate Nominating Committee - Section U of the AAAS (1990-1993)
Safety Monitoring Committee (Chair) MADIT
Electorate Nominating Committee - Section U of the AAAS (Chair, 1993-1994)
NIH Study Section - AIDS and Related Research Study Section 2 (1995-1999)
Mortimer Spiegelman Award Committee (1994-1996), Chair (1996)

AWARDS AND LISTINGS:

Fellow - American Statistical Association
Fellow - The Royal Statistical Society
Nominator for Kyoto Prize in Basic Sciences in the field of Mathematical Sciences
Nominator for the Japan Prize in Information, Communication Theory & Technology
Mortimer Spiegelman Award
Continuing Education Excellence Award - American Statistical Association
Marquis "Who's Who of Emerging Leaders in America", 1st, 2nd editions
Marquis "Who's Who in the Midwest", 20th, 21st, 22nd, 29th-33rd editions

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"American Men and Women in Science", 16th, 17th edition

"Men of Achievement", 12th edition

Marquis "Who's Who in American Education", 3rd, 6th, 7th editions

Marquis "Who's Who in Medicine and Healthcare", 1st through 6th editions

Marquis "Who's Who in Science and Engineering", 4th, 8th, 9th, 10th editions

Marquis "Who's Who in America", 52nd through 62nd editions

Member, ISI Highly Cited Researcher Database

"Who's Who in Economics", 4th edition

AcademicKeys Who's Who in Sciences Higher Education

PUBLICATIONS:

- (1) Tanner, M.A. and Thisted, R.A., "Generation of Random Orthogonal Matrices". Journal of the Royal Statistical Society, Series C, 31:190-193, 1982.
- (2) Young, M.A., Tanner, M.A., and Meltzer, H.Y., "Operational Definitions of Schizophrenia: What Do They Identify?" Journal of Nervous and Mental Disease, 170:443-448, 1982.
- (3) Tanner, M.A. and Wong, W.H., "A Comment on a Reanalysis of the Stanford Heart Transplant Data." Journal of the American Statistical Association, 78:286-287, 1983.
- (4) Tanner, M.A. and Wong, W.H., "The Estimation of the Hazard Function from Randomly Censored Data by the Kernel Method." The Annals of Statistics, 11:989-993, 1983.
- (5) Tanner, M.A., "A Note on the Variable Kernel Estimator of the Hazard Function from Randomly Censored Data." The Annals of Statistics, 11:994-998, 1983.
- (6) Young, M.A. and Tanner, M.A., "Recent Advances in the Analysis of Qualitative Data with Applications to Diagnostic Classification." In: Statistical and Methodological Advances in Psychiatric Research, edited by R.D. Gibbons and M. Dysken, Spectrum, New York, 1983.
- (7) Tanner, M.A. and Wong, W.H., "Data-Based Nonparametric Estimation of the Hazard Function from Censored Data with Applications to Model Diagnostics and Exploratory Analysis." Journal of the American Statistical Association, 79:174-182, 1984.
- (8) Elegbede, J.A., Elson, C.E., Qureshi, A., Tanner, M.A., and Gould, M.N., "Inhibition of DMBA-Induced Mammary Cancer by Monoterpene d-Limonene." Carcinogenesis, 5:661-664, 1984.
- (9) Tanner, M.A., "Data-Based Nonparametric Hazard Estimation." The Journal of the Royal Statistical Society, Series C, 33:248-258, 1984. The computer program listed and

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 - (11) Tanner, M.A. and Young, M.A., "Modeling Ordinal Scale Disagreement." Psychological Bulletin, Quantitative Methods Section, 98:408-415, 1985.
 - (12) Tanner, M.A., "Computing and Sociology". Science, 229:227, 1985.
 - (13) Clifton, K.H., Barnes, J.Y., Tanner, M.A., and Hanning, R.V., "Radiation and Prolactin Effects on Rat Mammary Carcinogenesis: Intrasplenic Pituitary and Estrone Capsule Implants." Journal of the National Cancer Institute, 75:167-175, 1985.
 - (14) Tanner, M.A. and Wong, W.H., "A Comment on Some Aspects of the Spline Smoothing Approach to Nonparametric Regression Curve Fitting." Journal of the Royal Statistical Society, Series B, 47:44-45, 1985.
 - (15) Tanner, M.A., "The Use of Investigations in the Introductory Statistics Course." The American Statistician, 39:306-310, 1985.
 - (16) Tanner, M.A., "After Many a Summer: A Modern Analysis of Ancient Lifetime Data". Journal of the American Medical Association. 254:2895, 1985.
 - (17) Besch, G.J., Tanner, M.A., Sattler, C.A., Wolberg, W.H., Howard, S.P., and Gould, M.N., "Radiation Survival of Human Mammary Carcinoma Cells: Criteria for an Agar-Based Clonogenic Assay." International Journal of Radiation Oncology, Biology and Physics, 12:75-81, 1986.
 - (18) Elegbede, J.A., Elson, C.E., Tanner, M.A., Qureshi, A., and Gould, M.N., "Regression of Rat Primary Mammary Tumors Following Dietary d-Limonene." Journal of the National Cancer Institute, 76:323-325, 1986.
 - (19) Besch, G.J., Tanner, M.A., Wolberg, W.H., and Gould, M.N., "Systematic Optimization of the Clonal Growth of Human Primary Breast Carcinoma Cells." Cancer Research, 46:2306-2313, 1986.
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- (24) Tanner, M.A. and Wong, W.H., "The Calculation of Posterior Distributions by Data Augmentation." Journal of the American Statistical Association, 82:528-550, 1987 (with discussion). This paper was reprinted in The International Library of Critical Writings in Econometrics (1994).
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- (102) Jiang, W. and Tanner, M.A. "Gibbs Posterior for Variable Selection in High Dimensional Classification and Data Mining". Annals of Statistics, (to appear).
- (103) King, G., Rosen, O., Tanner, M.A. and Wagner, A.F. "The Ordinary Election of Adolf Hitler: A Modern Voting Behavior Approach" (submitted)
- (104) Wood, S.A., Kohn, R., Cottet, R., Jiang, W. and Tanner, M.A. "Locally Adaptive Nonparametric Binary Regression". (submitted)

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- (3) Tanner, M.A., Tools for Statistical Inference: Methods for the Exploration of Posterior Distributions and Likelihood Functions, 2nd Edition, Springer-Verlag, 1993.
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- (6) King, G., Rosen, O. and Tanner, M.A. (eds), Ecological Inference: New Methodological Strategies. Cambridge University Press, 2004.

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TOOLS FOR STATISTICAL INFERENCE SHORT COURSES:

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National Library of Medicine
Central Queensland University
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Ph.D. SUPERVISION:

Greg C.G. Wei, "Posterior Computations with Applications to Censored Regression Data",
August 1989

Joan (Zhihong) Yu "Computation of the Marginal Likelihood"
December 1997

Alexandre Carvalho "Mixtures of Exponential Family Time Series"
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