DAVID L. WALLACE

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Personal:

Born 24 December 1928, Homestead, Pennsylvania

Education:

B.S.	Mathematics	Carnegie Institute of Technology	1948
M.S.	Mathematics	Carnegie Institute of Technology	1949
Ph.D.	Mathematics	Princeton University	1953

Professional Career:

1953-54   C.L.E. Moore Instructor in Mathematics, Massachusetts Institute of Technology.

1954-   Department of Statistics, University of Chicago (Assistant Professor, 1954-59; Associate Professor, 1959-68; Professor 1968-95; Professor Emeritus 1995-) (Departmental Counselor, 1968-77, 1980-1994; Chairman, 1977-1980).

1960-61   Fellow, Center for Advanced Study in the Behavioral Sciences.

1965-66   Visiting Associate Professor, Princeton University.

1966-67   Acting Director, Biological Sciences Computation Center, University of Chicago.

Professional Activities:

Acting Editor, *Journal of the American Statistical Association*, 1959-60.

Associate Editor, *Annals of Mathematical Statistics*, 1961-64.

Chairman, Editorial Board; Institute of Mathematical Statistics—University of Chicago *Statistical Research Monographs*, 1964-68.

Member, Computer and Biomathematical Sciences Study Section, National Institutes of Health, 1970-74.

Management Committee, *Current Index to Statistics*, 1978-82; Chairman, 1981-82.

Professional Societies:

Fellow, Institute of Mathematical Statistics
Fellow, American Statistical Association
Fellow, American Association for the Advancement of Science
Fellow, Royal Statistical Society
Member, International Statistical Institute

Doctoral Dissertations Supervised:

Robert Ellison:	"A multivariate *k*-population classification problem"
Ying Yao:	"On the comparison of the means of two normal populations with unknown variances"
Hee Bok Park:	"Improving the robustness of inferences"
Alastair Scott:	"Allocation of effort in the design of selection procedures"
Mitchell Snyder:	"Winsoring with a co-variate to improve efficiency"
James Yarnold:	"The accuracy of seven approximations for the null distribution of the chi-square goodness of fit statistic"
Lily Sanathanan:	"Estimating population size in the particle scanning context"
James Landwehr:	"Approximate confidence regions from cluster analysis"
Stella Machado:	"Transformations of multivariate data and tests for multivariate normality"
Andries DeWet:	"Estimation of linear relationships between variables subject to random errors"
C. Hendricks Brown:	Missing values in factor analysis"
Daniel Schafer:	"Use of the correction for attenuation estimator with judgmental information."
Theodore Karrison:	"Restricted mean life with adjustment for covariates."
Steven J. Skates:	"Laplacian and uniform expansions with applications to multidimensional sampling."
Louis Rizzo:	"Predictive regression estimators of the finite population mean using functions of the probability of selection."
Li Ming Dong:	"Adjustment for covariates in the analysis of clinical trials."

University Committees:

Board of Pre-Collegiate Education, 1974-78 (Chairman, 1976-78)
Council of the University Senate, 1975-78
Governing Committee, Physical Sciences Collegiate Division, 1975-80
Task force on Academic Interactive Computing, 1976
Committee on Academic Computing, 1976-1986
Board of Computing Activities and Services, 1978-82 (Chairman, 1979-82), 1985-86

Publications:

"Multiple comparisons in the analysis of variance," *National Convention Transactions*, American Society for Quality Control, (1957), 279-285.

"Asymptotic approximations to distributions," *Ann. Math. Statist.* **29** (1958), 635-654.

"Intersection region confidence procedures with an application to the location of the maximum in quadratic regression," *Ann. Math. Statist.* **29** (1958), 455-475.

"A convolutive class of monotone likelihood ratio families" (with S. G. Ghurye), *Ann. Math. Statist.* **30** (1959), 1158-1164.

"Conditional confidence level properties," *Ann. Math. Statist.* **30** (1959), 864-876.

"Simplified Beta-approximations to the Kruskal-Wallis *H*-test," *J. Amer. Statist. Assoc.* **54** (1959), 225-230.

"Bounds on normal approximations to Student's and the chi-square distributions," *Ann. Math. Statist.* **30** (1959), 1121-1130.

"Notes on an authorship problem" (with F. Mosteller), *Annals of the Harvard Computation Laboratory* **31** (1962), 163-197.

"Inference in an authorship problem" (with F. Mosteller), *J. Amer. Statist. Assoc.* **58** (1963), 275--309.

Inference and Disputed Authorship: The Federalist (with F. Mosteller), Reading, Massachusetts: Addison-Wesley, 1964.

"Short analyses for balanced single and double classifications: Part 2, Derivations and approximations" (with T. E. Kurtz, R. F. Link, and J. W. Tukey), *Biometrika* **52** (1966), 191-198.

"Correlation of ranges of correlated deviates" (with T. E. Kurtz, R. F. Link, and J. W. Tukey), *Biometrika* **53** (1966), 191-198.

"Clustering," in *The International Encyclopedia of the Social Sciences.* New York: Macmillan Company and Free Press (1968), 519-524.

"Computers in the teaching of statistics: Where are the main effects?" in *Statistical Computation*, R. Milton and J. Nelder, eds., New York: Academic Press (1969), 349-361.

"Deciding authorship" (with F. Mosteller), in *Statistics: A Guide to the Unknown*, Third Edition, J. Tanur et al., eds., San Francisco: Holden Day, (1989), 115-125.

"Clustering" in *The International Encyclopedia of Statistics*. New York: Macmillan Co. and Free Press (1978).

"Efficacy of diagnostic X-ray procedures" (with L. B. Lusted et al). Special Monograph, American College of Radiology, (1980).

"The Behrens-Fisher and Fieller-Creasy problems." In *R. A. Fisher: An Appreciation*, S. E. Fienberg and D. V. Hinkley, Editors, *Lecture Notes in Statistics* No. 1, Springer-Verlag, New York (1980), pp. 119-147.

"Prevention of venous thrombo-embolism after total knee replacement by high dose of aspirin or intermittent calf-thigh compression" (with R. McKenna et al). *British Medical J.*, **23** February 1980.

"Comment," *J. Amer. Statist. Assoc.* **78** (1983), 569-76, (on the preceding paper, "A method for comparing two hierarchical clusterings" by E. B. Fowlkes and C. L. Mallows).

(with Frederick Mosteller) *Applied Bayesian and Classical Inference: The Case of the Federalist Papers.* 2nd Edition of *Inference and Disputed Authorship: The Federalist.* Springer-Verlag, New York, 1984.

"Prophylactic red-cell transfusions in pregnant patients with sickle-cell disease," (with M. Koshy et al). *New England J. Med.*, **319** (1988), 1447-1452.