

CURRICULUM VITAE

David Salsburg
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PERSONAL DATA

Born: February 26, 1931
 Married - four children, nine grandchildren, one great-grandchild

EDUCATION

University of Pennsylvania - B.A. (honors) in History - 1952
 Trinity College (Hartford) - M.S. in Mathematics - 1963
 Brown University - Graduate studies in Math - 1963-1964
 University of Connecticut - Ph.D. in Statistics - 1966

NON-ACADEMIC POSITIONS HELD

1995 - Present Private Consultant, including Data Safety Monitoring Committees for studies involving biologics and vaccines.
 1988 - 1994 Senior Research Fellow, Pfizer Central Research, Pfizer, Inc., Groton, Ct.
 1968 - 1995 Various statistical activities, involving toxicology, pre-clinical, and clinical research, Pfizer Inc., Groton, Ct.
 1960-1961 high school teacher
 1955-1960 business venture
 1952-1955 Officer, U.S. Navy

ACADEMIC POSITIONS

1966-1968 University of Pennsylvania
 1962-1963 Trinity College, Hartford

part-time positions 1968-present

1968-1973 University of Connecticut
 1983 Connecticut College
 1996-1997 Harvard University, School of Public Health
 2004-2017 Yale University

1995—2021 served as statistician on various DSMC's

HONORS

University of Connecticut Distinguished Alumnus Award, 2008

PhRMA Distinguished Statistician Lifetime Achievement Award, 1994

Fellow of the American Statistical Association, 1978.

Smolar Award for Excellence in North American Jewish Journalism, 1975.

SOCIETY MEMBERSHIPS

American Statistical Association - 1964 to present.

Council of American Statistical Association - 1972 - 1974.

Chairman, Biopharmaceutical Subsection - 1977.

Chairman, Wilks Memorial Lecture Committee - 1989.

Council on Sections - 1993

Institute of Mathematical Statistics - 1964 to present.

Biometric Society - 1973 - 1998

PMA Committee on Biostatistics - 1969 - 1975

EDITORSHIPS

Associate Editor, *The American Statistician*, 1972 - 1982.

Associate Editor, *Fundamental & Applied Toxicology*, 1982 - 1989.

PUBLICATIONS

Books:

Salsburg, D. S. (1983) *Understanding Randomness*, Marcel Dekker, Inc. New York.

Salsburg, D. (1986) *Statistics for Toxicologists*, Marcel Dekker, New York.

Salsburg, D. (1992) *The Use of Restricted Significance Tests in Clinical Trials*, Springer-Verlag, New York.

Salsburg, D. (2001) *The Lady Tasting Tea, how statistics revolutionized science in the twentieth century*, W.H. Freeman and Company, New York.

Salsburg, D. (2013) *Love Feeds Among the Lilies*, a novel, Black Rose Printing.

Salsburg, D. (2017) *Errors, Blunders, and Lies; How to Tell the Difference*, CRC of Taylor and Francis.

Articles:

Salsburg, D.S. (1968) The Myth of the Mean. *Clinical Research*, Vol. XVI, No. 2.

Salsburg, D. S. (1969) A Note on the Falibility of Statistics. *The Journal of Clinical Pharmacology*, Vol. 9, No 2, pp. 69-71.

Salsburg, D. S. (1971) Testing Dose Responses on Proportions Near Zero or One with the Jackknife. *Biometrics*, Vol. 27, No. 4.

Salsburg, D.S. and Arvesen, J. N. (1972) Approximate Tests and Confidence Intervals Using the Jackknife. *Perspectives in Biometrics*.

Salsburg, D.S. The Jackknife in Regression. (1972) *The New York Statistician*, Vol. 23, No. 4.

Ray, V.A., Holden, H.E., Salsburg, D.S., et al. (1973) Comparative Studies of Induced Mutations with Host-Mediated, Dominant Lethal and Cytogenetic Assays. Abstract. *Mutation Research*, Vol 21, No. 1, Elsevier Publishing Co., Amsterdam.

Salsburg, D. S. (1973) Sufficiency and the Waste of Information. *The American*

Statistician, Vol. 27, No. 4.

Salsburg, D. S. (1973) Statistical Considerations for Dominant Lethal Mutagenic Trials. *Environmental Health Perspectives*.

Ray, V. A., Holden H. E., Salsburg, D. S., et al: (1974) Comparative Studies of Ethyl Methanesulfonate-Induced Mutations with Host-Mediated Dominant-Lethal and Cytogenetic Assays. *Toxicology and Applied Pharmacology*, Vol. 30, pp. 107-116.

Salsburg, D. S. (1975) Estimating Differences in Variance When Comparing Two Methods of Assay. *Technometrics*, Vol. 17, No. 3, pp. 381-382.

Salsburg, D.S. (1975) Book Review. "The Generalized Jackknife Statistic" by Henry L Gray and William R. Schucany. Marcel Dekker, Inc. 1972, *Technometrics*, Vol. 17, No. 3, p. 383.

Salsburg, D. S. (1975) Mantel-Bryan -- Its Faults and Alternatives After Thirteen More Years of Experimentation. *Food and Drug Cosmetic Law Journal*, Vol. 30, No. 2, pp. 116-123.

Taylor, C. R., Perry, J. H. and Salsburg, D. S. (1976) Analysis of Ambulatory Electrocardiograms by Computer Analysis of RR Interval Patterns Followed by Visual Analysis of Selected ECG Strips: Utility of Random Sampling of Unprocessed Data. *Computers in Cardiology*, pp. 393-399.

Salsburg, D. S. (1977) Some Theoretical Objections to the Modified Mantel-Bryan Procedure. *Biometrics*, Vol. 33, No. 2, pp. 419-422.

Salsburg, D. S. (1977) Use of Statistics When Examining Lifetime Studies in Rodents to Detect Carcinogenicity. *J. Toxicol & Environmental Health*, Vol. 3, pp 611-628.

Salsburg, D. S. (1977) Lifetime Carcinogenic Studies in Rodents. Viewed From the Standpoint of Experimental Design: Weaknesses and Alternatives. *Proceedings of a Symposium held at the Royal College of Physicians*, London, Chapter 7.

O'Fallon, J. R., Dubey, S. D., Salsburg, D. S., Edmonson, J. H., Soffer, A. and Colton, T. (1978) Should There be Statistical Guidelines For Medical Research Papers?, *Biometrics*, Vol. 34, pp. 687-698.

Salsburg, D. S. (1979) Research Design from the Biostatistician's Viewpoint, *Clinical Toxicology*, Vol. 15, No. 5, pp. 559-569.

Salsburg, D. S. (1980) The Effects of Lifetime Feeding Studies on Patterns of Senile Lesions in Mice and Rats, *Drug and Chemical Toxicology*, Vol. 3, No. 1, pp. 1-33.

Salsburg, D. S. (1980) "Are Carcinogenicity Tests Useful?" in *Controversies in Therapeutics*, Lasagna, Editor, pp. 151-162, W. B. Saunders, Co., Philadelphia, Pa.

Amacher, D. E., Paillett, S. C., Turner, G. N., Ray, V. A. and Salsburg, D. S. (1980) Point Mutations at the Thymidine Kinase Locus in L5178Y Mouse Lymphoma Cells. II. Test Validation and Interpretation. *Mutation Research*, 72, pp 447-474.

Salsburg, D. S. (1980) Statistics and Toxicology: An Overview, In *Scientific Considerations in Monitoring & Evaluating Toxicological Research*, pp 126-136, Hemisphere Publishers, Inc. New York, N.Y.

Dorvlo, A. S., Enslein, K. and Salsburg, D. (1980) A Test of the Hypothesis that Time to Tumor in Humans Fits the "One-Hit" Model. *J. Environ. Pathol. Toxicol.*, 4, pp 139-143.

Salsburg, D. & Heath, A. (1981) When Science Progresses and Bureaucracies Lag--the Case of Cancer Research. *The Public Interest*, Number 65, pp 30-39.

Salsburg, D. (1981) Development of Statistical Analysis for Single Dose Bronchodilators. *Controlled Clinical Trials*, 2, pp 305-317.

Salsburg, D. (1983) The Lifetime Feeding Study in Mice and Rats - An Examination of Its Validity as a Bioassay for Human Carcinogens. *Fundamental and Applied Toxicology*, 3, pp 63-67.

Krewski, D., Crump, K.S., Farmer, J. Gaylor, D.W., Howe, R., Portier, C., Salsburg, D. Sielken, R.L. and Van Ryzin, J. (1983) A Comparison of Statistical Methods for Low Dose Extrapolation Utilizing Time-To-Tumor Data. *Fundamental and Applied Toxicology*, 3, pp 140-158.

Salsburg, David and Henry E. Holden,(1985) A Statistical Examination of Historical Controls for Mouse Bone Marrow Cytogenetic Assays. *Environmental Mutagenesis*, Vol. 7, Supplement 4, pp 55-62.

Salsburg, D. (1985) The Religion of Statistics as Practiced in Medical Journals. *The American Statistician*, 39, pp 220-223.

Salsburg, D. (1986) Book Review "Statistical Analysis of Measurement Errors" by John J. Jaech, John Wiley, New York, *Technometrics*, 28, pp 177-8.

Salsburg, D. (1986) Alternative Hypotheses for the Effects of Drugs in Small-Scale Clinical Studies, *Biometrics*, 42, pp 671-674.

Conover, W.J., and Salsburg, D. (1988) Locally Most Powerful Tests for Detecting Treatment Effects When Only a Subset of Patients Can Be expected to "Respond" to Treatment, *Biometrics*, 44, pp 189-196.

Salsburg, D., (1988) The Aggregation of Incidence Data in Carcinogenesis Assays, *Carcinogenicity--The Design, Analysis and Interpretation of Long-Term Animal Studies*, (Grice and Ciminear, editors), Springer-Verlag, New York, pp 197-205.

Salsburg, D., (1989) Use of Restricted Significance Tests in Clinical Trials: Beyond the One- Versus Two-Tailed Controversy, *Controlled Clinical Trials*, vol 10 , 71-82.

Salsburg, D. (1989) Does Everything "Cause" Cancer: An Alternative Interpretation of the "Carcinogenesis" Bioassay, *Fundamental and Applied Toxicology*, 13, 351-358.

Johnson, A.F., Rajagopalan, R., and Salsburg, D.S. (1990) *Dosing in the elderly, in Statistical Issues in Drug Research and Development*, (Peace, ed.) Marcel Dekker, New York pp 305-329.

Salsburg, D. (1990) Mathematical Modeling and the Design of Studies in Drug Research. *Drug Information Journal*, Vol 24, pp 267-279.

Salsburg, D. (1990) Hypothesis Versus Significance Testing for Controlled Clinical Trials: A Dialogue, *Statistics in Medicine*, vol 9, pp 201-211.

Salsburg, D.(1990) Estimating dose response in chronic toxicity studies: 24-month administration of acrylonitrile in drinking water of Fischer 344 rats, *The Science of the Total Environment*, 99, 289-305.

Salsburg, D.(1991) Situations Where Formal Confirmatory Analysis is Inappropriate in Clinical Research, *J. of Biopharmaceutical Statistics*, 1, 121-132.

Salsburg, D. (1993) Hundreds of Patients, Thousands of Observations, the Curse of Dimensionality in Clinical Research, *Drug Information Journal*, 27, 597-609.

Salsburg, D. (1993) The Use of Statistical Methods in the Analysis of Clinical Studies, *J. Clin, Epidemiol.*, 46, 12-27.

Salsburg, D. (1993) The Use of Hazard Functions in Safety Analysis, in *Drug*

Safety Assessment in Clinical Trials (Gilbert, editor) Marcel Dekker, New York.

Salsburg, D. (1994) Intent to Treat: The *Reductio Ad Absurdum* that Became Gospel, *Pharmacoepidemiology and Drug Safety*, vo. 3: 329-335.

Salsburg, D. (1996) Estimating dose-response for toxic end-points, Chapter 2 in *Statistics in Toxicology* (ed. Morgan), Oxford University Press, Oxford, UK.

Salsburg, D. (1997) Hypothesis Testing, in *Encyclopedia of Biostatistics* (ed. Armitage and Colton), John Wiley and Sons, London.

Salsburg, D., and Williams, J.F. (1997) A Statistical Approach to Claims Estimation in Bankruptcy, *Wake Forest Law Review*, vol. 32, no. 4, pp. 1119-1155.

Salsburg, D. (1997) Digit Preference in the Bible, *Chance*, vol. 10, no. 4, pp. 46-48.

Salsburg, D. and Salsburg, D. (1999), Searching for the Real Davy Crockett, *Chance*, vol.12. no. 2, pp. 29-34.

Salsburg, D. (1999) Why Analysis of Variance is Inappropriate for Multiclinic Trials, *Controlled Clinical Trials*, vol. 20, pp. 453-468.

Salsburg, D. (2002) Deming Principles Applied to Processing Data from Case Report Forms, *Drug Information Journal*, vol. 36, no. 1, pp. 135-141.

Salsburg, D. (2010) Statistical Aids for Early Management Decisions in Drug Development, *Statistics in Biopharmaceutical Research*, vol. 2, pp. 549-556.

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