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CURRICULUM VITAE

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EDUCATION

Ph.D. in Statistics, University of North Carolina at Chapel Hill, 1968  
D.Sc. (Hon), De Montfort University, Leicester, United Kingdom, 1996  
M.S. in Industrial Engineering, Ohio State University, Columbus, 1963  
B.S. in Mathematics, Ohio State University, Columbus, 1962

MAJOR RESEARCH INTERESTS

Analysis of categorical data  
Clinical Trials Methodology  
Non-parametric multivariate inference

PROFESSIONAL EXPERIENCE

1976 to Present Professor, Department of Biostatistics, University of North Carolina at Chapel Hill (1992 Recipient, McGavran Award for Excellence in Teaching, School of Public Health, 2007 Recipient of John E. Larsh, Jr. Award for Mentorship from University of North Carolina, School of Public Health, 2012 Recipient of Bernard G. Greenberg Alumni Endowment Award from University of North Carolina, Gillings School of Global Public Health)  
1987 to Present Director, Biometric Consulting Laboratory, Department of Biostatistics, University of North Carolina at Chapel Hill

PREVIOUS PROFESSIONAL EXPERIENCE

1995-2000 Visiting Professor, DeMontfort University, Leicester, UK  
Summer 1985 Visiting Professor, New Mexico State University  
Summer 1982 Visiting Professor, University of Massachusetts  
Summer 1972 Visiting Professor, 14th Graduate Summer Session of Statistics in Health Sciences, School of Public Health, University of California, Berkeley  
Summer 1974 Visiting Professor, 16th Graduate Summer Session of Statistics in Health Sciences, School of Public Health, University of Texas, Houston  
1963-1976 Associate Professor, Assistant Professor, Instructor, and Research Associate, Department of Biostatistics, School of Public Health, University of North Carolina at Chapel Hill  
1966-1967 Statistician, Research Triangle Institute, Research Triangle Park, NC

PROFESSIONAL AFFILIATIONS

American Statistical Association (Elected Fellow in August 1972, Dixon Award for Excellence in Statistical Consulting in August 2012, Karl E. Peace Award for Outstanding Statistical Contributions for the Betterment of Society in August 2014)  
 Biometric Society (ENAR President 1979)  
 Drug Information Association (Board of Directors, 1990-91, Outstanding Service Award, 1993)  
 Sigma Xi  
 American Public Health Association (Recipient of 1974 Spiegelman Award)  
 International Statistical Institute  
 The Ohio State University (2011 Professional Achievement Award)

Visiting Lecturer for Short Course presentation:

December 1974 Food and Drug Administration, Categorical Data Analysis  
 Feb.-July 1976 National Center for Health Statistics, Categorical Data Analysis  
 July 1976 University of Delaware, Categorical Data Analysis  
 October 1976 Pharmaceutical Manufacturers Association Statistics Committee, Categorical Data Analysis  
 January 1977 University of Massachusetts, Categorical Data Analysis  
 August 1977 University of Iowa, Categorical Data Analysis  
 August 1977 Mayo Clinic, Categorical Data Analysis  
 July 1978 Oregon State University, Categorical Data Analysis  
 August 1978 Brigham Young University, Categorical Data Analysis  
 August 1982 University of Montreal, Categorical Data Analysis  
 May 1985 New Mexico State University, Categorical Data Analysis  
 May 1987 Cincinnati ASA Chapter, Categorical Data Analysis  
 July 1988 U.S. Army Operational Test and Evaluation Agency, Categorical Data Analysis  
 May 1989 National Institute on Aging, Categorical Data Analysis  
 April 1990 Louisiana State University Medical Center, Categorical Data Analysis  
 June 1990 Drug Information Association, Statistical Issues Clinical Trials  
 June 1991 Drug Information Association, Statistical Issues Clinical Trials  
 August 1991 American Statistical Association, Categorical Data Analysis  
 March 1992 Duke University Medical Center, Statistical Issues Clinical Trials  
 April 1992 Louisiana State University Medical Center, Statistical Issues Clinical Trials  
 June 1992 Drug Information Association, Statistical Issues Clinical Trials  
 June 1994 Drug Information Association, Categorical Data Analysis  
 December 1994 Biopharmaceutical Applied Statistics Symposium, Categorical Data Analysis  
 July 1995 Statistical Society of Canada, Categorical Data Analysis  
 June 1996 Food and Drug Administration, Categorical Data Analysis  
 May 1998 The Finnish Society of Biostatistics, Categorical Data Analysis  
 December 1998 Biopharmaceutical Applied Statistics Symposium, Categorical Data Analysis  
 June 2000 The Ohio State University, Categorical Data Analysis  
 September 2000 PSI Workshop (Statisticians in the Pharmaceutical Industry, United Kingdom), Nonparametric Methods for Analysis Clinical Trials  
 December 2000 Biopharmaceutical Applied Statistics Symposium, Categorical Data Analysis  
 January 2001 University of Chile, Santiago, Categorical Data Analysis  
 June 2001 Societe Francaise de Statistique (groupe Biopharmacie et Santé) Nonparametric Analysis of Covariance  
 October 2001 PSI Workshop (Statisticians in the Pharmaceutical Industry, United Kingdom), Nonparametric Methods for Analysis Clinical Trials  
 December 2003 Biopharmaceutical Applied Statistics Symposium, Categorical Data Analysis  
 June 2005 Societe Francaise de Statistique Workshop, Statistical Methods to Address Multiplicity, Toulouse, France  
 August 2006 Joint Statistical Meetings (American Statistical Association), Categorical Data Analysis, Seattle, Washington  
 November 2006 Biopharmaceutical Applied Statistics Symposium, Multiplicity in Comparisons in Randomized Clinical Trials  
 November 2010 Biopharmaceutical Applied Statistics Symposium, Categorical Data Analysis

## SERVICE TO GOVERNMENT PROGRAMS AND PROFESSIONAL ASSOCIATIONS

June 1971	Consultant, Office of International Statistical Programs, NCHS (DHEW)
1971-1984	Consultant, Office of Defects Investigation, National Highway Traffic Safety Administration (DOT)
1973-1975	Consultant, Manual on Standards for Review Statistical Reports, Office of Statistical Methods, NCHS (DHEW)
1973-1977	Member, Dental Study Section, Division of Research Grants, NIH (DHEW)
1974-1977	Statistical Expert, Bureau of Drugs, FDA (DHEW)
1975-1978	Member, Committee on Research on Law Enforcement and Criminal Justice, Assembly of Behavioral and Social Sciences, National Research Council (NRC)
1976-1978	Consultant, Consumer Product Safety Commission Bureau of Epidemiology
1976-1980	Consultant, Alaska Judicial Council
1981-1984	Member, Committee on National Statistics, Assembly of Behavioral and Social Sciences, NRC
1984-1987	Member, Panel on Statistics for an Aging Population, Committee on National Statistics, Assembly of Behavioral and Social Sciences, NRC
1983-1987	Consultant, Circulatory Systems Devices Panel, National Center for Devices and Radiological Health, FDA
1987-1991	Consultant, National Vietnam Veteran Readjustment Study, Veterans Administration
1970-1974	Book Review Editor for Technometrics
1975-1979	Associate Editor for Biometrics
1975-1977	Member, Regional Committee on ENAR Biometric Society
1975	ENAR Biometric Society Program Chairman for Annual Meeting
1977	American Statistical Association Program Chairman for Annual Meeting
1976-1977	Associate Editor, The American Statistician
1980	Chairman, American Statistical Association Biometric Section
1981-1984	Editor, The American Statistician
1980-1986	Visiting Lecturer Program, Committee of Presidents of Statistical Societies
1985-1986	Member, Editorial Board, Drug Information Journal
1985-1989	Co-Chairman, American Statistical Association Sesquicentennial Committee
1989-present	Member, Editorial Board, Statistics in Medicine
1990-present	Member, Editorial Board, Journal of Biopharmaceutical Statistics
1990, 1991	Guest Editor, Drug Information Journal, Volume 24, No. 2, Volume 25, No. 3
1990-1991	Member, Board of Directors, Drug Information Association
1990-1991	Program Chair, Section on Survey Research Methods, American Statistical Association
1992	Program Chair, Drug Information Association, Workshop on Statistical Issues
1993-2001	Program Committee, Drug Information Association Annual Meeting
1993	Guest Editor, Drug Information Journal, Volume 27, No. 3
	September 1993 Chairman, Scientific Committee, Statistical Methods in Biopharmacy Conference in Paris, France
1994	Chairman, Fisher Lecture Award Committee, Committee of Presidents of Statistical Societies
1995-2012	Member, Editorial Board, Drug Information Journal
2002	Program Chair, Drug Information Association Annual Meeting
2002-present	Member, Editorial Board, Pharmaceutical Statistics
2004-2008	Data and Safety Monitoring Board, VA/NIH Acute Renal Failure Trial Network (ATN) Study, Intensive vs Conventional Renal Support in Acute Renal Failure (VA Cooperative Study #530)

Publications:

(Excluding Those in the Proceedings of Annual Meeting of American Statistical Association)

1. Koch, G.G. [1967]. A general approach to the estimation of variance components. *Technometrics* 9, 93-117.
2. Koch, G.G. [1967]. An algorithm to determine the compatibility of donor-recipient pairs in organ transplantation. *Mathematical Biosciences* 1, 27-37.
3. Koch, G.G. [1967]. A type of statistical analysis useful in experiments involving drugs with transient effects. *Mathematical Biosciences* 1, 413-419.
4. Koch, G.G. [1967]. A procedure to estimate the population mean in random effects models. *Technometrics* 9, 577-585.
5. Bhapkar, V.P. and Koch, G.G. [1968]. Hypotheses of 'no interaction' in multi-dimensional contingency tables. *Technometrics* 10, 107-123.
6. Koch, G.G. and Sen, P.K. [1968]. Some aspects of the statistical analysis of the 'mixed model'. *Biometrics* 24, 27-48.
7. Koch, G.G. [1968]. Some further remarks concerning 'a general approach to the estimation of variance components'. *Technometrics* 10, 551-558.
8. Bhapkar, V.P. and Koch, G.G. [1968]. On the hypotheses of 'no interaction' in contingency tables. *Biometrics* 24, 567-594.
9. Palumbo, L., Jr., Shingleton, H.M., Fishburne, J.I., Jr., Pepper, F.D., Jr. and Koch, G.G. [1969]. Primary carcinoma of the vagina. *Journal of the Southern Medical Association* 62, 1048-1053.
10. Koch, G.G. [1969]. Some aspects of the statistical analysis of 'split-plot' experiments in completely randomized layouts. *Journal of the American Statistical Association* 65, 485-505.
11. Grizzle, J.E., Starmer, C.F., and Koch, G.G. [1969]. Analysis of categorical data for linear models. *Biometrics* 25, 489-504.
12. Koch, G.G. [1969]. The effect of nonsampling errors on measures of association in 2x2 contingency tables. *Journal of the American Statistical Association* 65, 851-864.
13. Koch, G.G. [1969]. A useful lemma for proving the equality of two matrices with applications to least squares type quadratic forms. *Journal of the American Statistical Association* 65, 969-970.
14. Horvitz, D.G. and Koch, G.G. [1969]. The effect of response errors on measures of association. New Developments in Survey Sampling, edited by Norman L. Johnson and Harry Smith, Jr., John Wiley and Sons, 247-282.
15. Koch, G.G. [1969]. A class of covers for finite projective geometries which are related to the design of combinatorial filing systems. *Journal of Combinatorial Theory* 7, 215-220.
16. Bose, R.C. and Koch, G.G. [1969]. The design of combinatorial information retrieval systems for files with multiple-value attributes. *The SIAM Journal of Applied Mathematics* 17, 1203-1214.

17. Koch, G.G. [1969]. The design of combinatorial filing systems for efficient information retrieval. *The Information Bazaar: Proceedings of the Sixth Annual National Colloquium on Information Retrieval*, edited by Louis Schultz, Medical Documentation Service, The College of Physicians of Philadelphia, 327-344.
18. Koch, G.G. [1970]. The use of non-parametric methods in the statistical analysis of a complex split-plot experiment. *Biometrics* 26, 105-128.
19. Koch, G.G. and Reinfurt, D.W. [1970]. The analysis of complex contingency table data from general experimental designs and sample surveys. *Proceedings of the Sixteenth Conference on the Design of Experiments in Army Research, Development, and Testing*. Fort Lee, Virginia, 453-527.
20. Johnson, W.D. and Koch, G.G. [1970]. Analysis of qualitative data: linear functions. *Health Services Research* 5, 358-369.
21. Shingleton, H.M., Fowler, W.C., Palumbo, L., Jr. and Koch, G.G. [1970]. Carcinoma of the vulva: Influence of radical operation on cure rate. *Obstetrics Gynecology* 35, 1-6.
22. Shingleton, H.M., Fowler, W.C. and Koch, G.G. [1971]. Pretreatment evaluation in cervical cancer. *American Journal of Obstetrics and Gynecology* 110, 385-389.
23. Voors, A.W., Reddick, R.L. and Koch, G.G. [1971]. Trace metals may decrease hypercholesterolemia in crowded cholesterol-fed roosters. *Environmental Research* 4, 520-529.
24. Johnson, W.D. and Koch, G.G. [1971]. A note on the weighted least squares analysis of Riesz-Smith contingency table data. *Technometrics* 13, 438-447.
25. Koch, G.G. and Reinfurt, D.W. [1971]. The analysis of categorical data from mixed models. *Biometrics* 27, 157-173.
26. Koch, G.G. [1972]. The use of nonparametric methods in the statistical analysis of the two-period-change-over design. *Biometrics* 28, 577-584.
27. Koch, G.G., Imrey, P.B. and Reinfurt, D.W. [1972]. Linear model analysis of categorical data with incomplete response vectors. *Biometrics* 28, 663-692.
28. Koch, G.G., Johnson, W.D. and Tolley, H.D. [1972]. A linear models approach to the analysis of survival and extent of disease in multi-dimensional contingency tables. *Journal of the American Statistical Association* 67, 783-796.
29. Koch, G.G. and Lemeshow, S. [1972]. An application of multivariate analysis to complex sample survey data. *Journal of the American Statistical Association* 67, 780-782.
30. Crist, T., Shingleton, H.M. and Koch, G.G. [1972]. Stress incontinence and the nulliparous patient. *Obstetrics Gynecology* 40, 13-17.
31. Woolweaver, D.A., Koch, G.G., Crawford, J.J. and Lundblad, R.L. [1972]. Relation of the orogranulocytic migratory rate to periodontal disease and blood leukocyte count: A clinical study. *Journal of Dental Research* 51, 929-939.
32. Forthofer, R.N. and Koch, G.G. [1973]. An analysis for compounded functions of categorical data. *Biometrics* 29, 143-157.
33. Koch, G.G. [1973]. An alternative approach to multivariate response error models for sample survey data with applications to estimators involving subclass means. *Journal of the American Statistical Association* 68, 906-913.

34. Lehnen, R.G. and Koch, G.G. [1974]. A general linear approach to the analysis of non-metric data: application for political science. *American Journal of Political Science* 18, 283-313.
35. Freeman, J.L. and Koch, G.G. [1974]. Linear segmented analysis: statistical methodology for analyzing frequency tables pertaining to the relationship between unwanted pregnancies and media-time factors. Appendix C in The Media and Family Planning by J.R. Udry et al. Cambridge, Massachusetts: Ballinger Publishing Company, 201-213.
36. Forthofer, R.N. and Koch, G.G. [1974]. A program for the analysis for compounded functions of categorical data. *Computer Programs in Biomedicine* 3, 237-248.
37. Koch, G.G. and Forthofer, R.N. [1974]. An extension of the symmetric sum approach to the estimation of variance components. *Biometrische Zeitschrift* 16, 3-14.
38. Lehnen, R.G. and Koch, G.G. [1974]. Analyzing panel data with uncontrolled attrition. *The Public Opinion Quarterly* 38, 40-56.
39. Koch, G.G. and Reinfurt, D.W. [1974]. An analysis of the relationship between driver injury and vehicle age for automobiles involved in North Carolina accidents during 1966-1970. *Accident Analysis and Prevention* 6, 1-18.
40. Lehnen, R.G. and Koch, G.G. [1975]. The analysis of categorical data from repeated measurement research designs. *Political Methodology* 1, 103-123.
41. Koch, G.G. and Tolley, H.D. [1975]. A generalized modified 2 analysis of categorical data from a complex dilution experiment. *Biometrics* 31, 59-92.
42. Koch, G.G. Abernathy, J.R. and Imrey, P.B. [1975]. On a method for studying family size preferences. *Demography* 12, 57-66.
43. Koch, G.G., Freeman, D.H., Jr. and Freeman, J.L. [1975]. Strategies in the multivariate analysis of data from complex surveys. *International Statistical Review* 43, 59-78.
44. Landis, J.R. and Koch, G.G. [1975]. A review of statistical methods in the analysis of data arising from observer reliability studies, Part I. *Statistica Neerlandica* 29, 101-123.
45. Landis, J.R. and Koch, G.G. [1975]. A review of statistical methods in the analysis of data arising from observer reliability studies, Part II. *Statistica Neerlandica* 29, 151-161.
46. Clarke, S.H. and Koch, G.G. [1975]. A study of self-reported delinquency in Charlotte/Mecklenburg. *Popular Government* 41, 37-43.
47. Bauman, K.E., Koch, G.G., Udry, J.R. and Freeman, J.L. [1975]. The relationship between legal abortion and marriage. *Social Biology* 22, 117-124.
48. Clarke, S.H., and Koch, G.G. [1975]. Who goes to prison? Report on study of persons arrested for burglary and larceny. *Popular Government* 41, 25-37.
49. Clarke, S.H., Freeman, J.L. and Koch, G.G. [1976]. Bail risks: A multivariate analysis. *Journal of Legal Studies* 5, 341-385.
50. Clarke, S.H., Freeman, J.L. and Koch, G.G. [1976]. The effectiveness of bail systems. *Popular Government* 42, 22-37.

51. Clarke, S.H. and Koch, G.G. [1976]. The influence of income and other factors on whether criminal defendants go to prison. *The Law and Society Review* 11, 57-92.
52. Surwit, E., Fowler, W.C., Jr, Palumbo, L., Koch, G.G. and Gjertsen, W. [1976]. Radical hysterectomy with or without preoperative radium for stage 1B squamous cell carcinoma of the cervix. *Obstetrics and Gynecology* 48, 130-133.
53. Koch, G.G., Freeman, J.L. and Lehnen, R.G. [1976]. A general methodology for the analysis of ranked policy preference data. *International Statistical Review* 44, 1-28.
54. Koch, G.G., Tolley, H.D. and Freeman, J.L. [1976]. An application of the clumped binomial model to the analysis of clustered attribute data. *Biometrics* 32, 337-354.
55. Imrey, P.B., Johnson, W.D. and Koch, G.G. [1976]. An incomplete contingency table approach to paired-comparison experiments. *Journal of the American Statistical Association* 71, 614-623.
56. Koch, G.G., Imrey, P.B., Freeman, D.H., Jr. and Tolley, H.D. [1976]. The asymptotic covariance structure of estimated parameters from contingency table log-linear models. *Proceedings of the 9th International Biometric Conference* 6, 317-336.
57. Landis, J.R., Stanish, W.M., Freeman, J.L. and Koch, G.G. [1976]. A computer program for the generalized chi-square analysis of categorical data using weighted least squares (GENCAT). *Computer Programs in Biomedicine* 6, 196-231.
58. Koch, G.G., El-Khorazaty, M.N. and Lewis, A.L. [1976]. The asymptotic covariance structure of log-linear model estimated parameters for the multiple recapture census. *Communications in Statistics A* 5, 1425-1455.
59. Freeman, D.H., Jr., Freeman, J.L., Brock, D.B. and Koch, G.G. [1976]. Strategies in the multivariate analysis of data from complex surveys II: An application to the United States National Health Interview Survey. *International Statistical Review* 44, 317-330.
60. Freeman, D.H., Jr., Freeman, J.L., Koch, G.G. and Brock, D.B. [1976]. An analysis of physician visit data from a complex survey. *American Journal of Public Health* 66, 979-983.
61. Koch, G.G., Landis, J.R., Freeman, J.L., Freeman, D.H., Jr. and Lehnen, R.G. [1977]. A general methodology for the analysis of experiments with repeated measurements of categorical data. *Biometrics* 33, 133-158.
62. Landis, J.R. and Koch, G.G. [1977]. The measurement of observer agreement for categorical data. *Biometrics* 33, 159-174.
63. Landis, J.R. and Koch, G.G. [1977]. An application of hierarchical Kappa-type statistics in the assessment of majority agreement among multiple observers. *Biometrics* 33, 363-374.
64. Higgins, J.E. and Koch, G.G. [1977]. Variable selection and generalized chi-square analysis of categorical data applied to a large cross-sectional occupational health survey. *International Statistical Review* 45, 51-62.
65. El-Khorazaty, M.N., Imrey, P.B., Koch, G.G. and Wells, H.B. [1977]. Estimating the total number of events with data from multiple-record systems: a review of methodological strategies. *International Statistical Review* 45, 129-157.
66. Landis, J.R. and Koch, G.G. [1977]. A one-way components of variance model for categorical data. *Biometrics* 33, 671-679.

67. Bauman, K.E., Anderson, A.E., Freeman, J.L. and Koch, G.G. [1977]. Legal abortions and trends in age-specific marriage rates. *The American Journal of Public Health* 67, 52-53.
68. Sutton, R., Hood, W.P., Jr. and Koch, G.G. [1977]. Non-invasive assessment of left ventricular function in chronic heart disease. *American Heart Journal* 9, 289-297.
69. Bauman, K.E., Anderson, A.E., Freeman, J.L. and Koch, G.G. [1977]. Legal abortions, subsidized family planning services, and the U.S. 'birth death'. *Social Biology* 24, 183-191.
70. Hull, J.H., Murray, W.J., Brown, H.S., Williams, B.O., Chi, S.L. and Koch, G.G. [1978]. Potential anticoagulant drug interactions in ambulatory patients. *Clinical Pharmacology and Therapeutics* 24(6), 644-649.
71. Johnson, W.D. and Koch, G.G. [1978]. Linear models analysis of competing risks for grouped survival times. *International Statistical Review* 46, 21-51.
72. Freeman, D.H., Jr., Freeman, J.L. and Koch, G.G. [1978]. A modified chi-squared approach for fitting Weibull models to synthetic life tables. *Biometrische Zeitschrift* 20, 29-40.
73. Stanish, W.M., Gillings, D.B. and Koch, G.G. [1978]. An application of multivariate ratio methods for the analysis of a longitudinal clinical trial with missing data. *Biometrics* 34, 305-317.
74. Koch, G.G., Grizzle, J.E., Semanya, K. and Sen, P.K. [1978]. Statistical methods for evaluation of mastitis treatment data. *Journal of Dairy Science* 61, 829-847.
75. Stanish, W.M., Koch, G.G. and Landis, J.R. [1978]. A computer program for multivariate ratio analysis (MISCAT). *Computer Programs in Biomedicine* 8, 197-207.
76. Stanish, W.M., Chi, G.Y.H., Johnson, W.D., Koch, G.G., Landis, J.R. and Liu-Chi, S. [1978]. A computer program for the generalized chi-square analysis of competing risks grouped survival data (CRISCAT). *Computer Programs in Biomedicine* 8, 208-223.
77. Landis, J.R., Heyman, E.R. and Koch, G.G. [1978]. Average partial association in three-way contingency tables: a review and discussion of alternative tests. *International Statistical Review* 46, 237-254.
78. Salama, I.A., Koch, G.G. and Tolley, H.D. [1978]. On the estimation of the most probable number in a serial dilution experiment. *Communications in Statistics A*, 7 1267-1281.
79. Landis, J.R., Cooper, M.M., Kennedy, T. and Koch, G.G. [1979]. A computer program for testing average partial association in three-way contingency tables (PARCAT). *Computer Programs in Biomedicine* 9, 223-246.
80. Koch, G.G. [1979]. Invited discussion of "Small area estimation--synthetic and other procedures, 1968-1978" by Paul Levy. *Proceedings of the NIDA/NCHS workshop on Synthetic Estimates for Small Areas: Statistical Workshop Papers and Discussion*, NIDA Research Monograph 24, DHEW Publication No. (ADM)79-801. Washington, DC: U.S. Government Printing Office, 24-29.
81. Curtin, L.R., Frockt, I.J. and Koch, G.G. [1979]. A note on the analysis of parity progression ratios. *Demography* 16(3), 481-484.
82. Landis, J.R. and Koch, G.G. [1979]. The Analysis of Categorical Data in Longitudinal Studies of Behavioral Development. Chapter 9 in Longitudinal Research in the Study of Behavior and Development, edited by J.R. Nesselroade and P.B. Baltes. Academic Press, New York, 233-261.



83. Grizzle, J.E. and Koch, G.G. [1979]. Some applications of categorical data analysis to epidemiological studies. *Environmental Health Perspectives* 32, 169-179.
84. de la Paz, L.R., Kerigan, A.T., Koch, G.G., Kolman, W.A. and Spodick, D.H. [1979]. Erythrityl tetranitrate: Sustained effects on systolic time intervals. Changes consistent with sustained preload reduction. *The American Journal of the Medical Sciences* 227(2), 173-177.
85. Clarke, S. and Koch, G.G. [1980]. Juvenile court: therapy or crime control and do lawyers make a difference? *Law and Society Review* 14(2), 263-308.
86. Hanker, J.S., Ambrose, W.W., Yates, P.E., Koch, G.G. and Carson, K.A. [1980]. Peripheral neuropathy in mouse hereditary diabetes mellitus. I Comparison of neurologic, histologic, and morphometric parameters with dystonic mice. *Acta Neuropathologica* 51, 145-153.
87. Blumstein, A. and Koch, G.G. [1980]. Criminal justice planning - a prolegomenon for a macro model for criminal justice planning: JUSSIM III. Indicators of Crime and Criminal Justice: Quantitative Studies, S.E. Fienberg and A.J. Reiss, Jr. (eds.), U.S. Department of Justice, Bureau of Justice Statistics Report NCJ-62349, Washington, DC: U.S. Government Printing Office, 99-108.
88. Koch, G.G., Gillings, D.B. and Stokes, M.E. [1980]. Biostatistical implications of design, sampling and measurement to the analysis of health science data. *Annual Review of Public Health* 1, 163-225.
89. Amara, I.A. and Koch, G.G. [1980]. A macro for multivariate randomization analysis of stratified sample data. *Proceedings of the Fifth Annual SAS Users Group Conference*, 134-144.
90. Monti, K., Koch, G.G. and Sawyer, J. [1980]. Segmented linear regression models applied to the analysis of data from a cross-sectional growth experiment. *Biometrical Journal* 22(1), 23-39.
91. Koch, G.G., Amara, I.A., Stokes, M.E. and Gillings, D.B. [1980]. Some views on parametric and non-parametric analysis for repeated measurements. *International Statistical Review* 48(3), 249-265.
92. Koch, G.G. [1980]. Discussion of "Regression models for ordinal data" by P. McCullagh. *Journal of the Royal Statistical Society, Series B* 42(2), 137-138.
93. Koch, G.G. [1981]. Commentary on Statistical Issues Underlying the Evaluation of a Social Policy Change on Motor Vehicle Accident Involvement. *Accident Analysis and Prevention* 13(4), 323-329.
94. Imrey, P.B., Koch, G.G. and Stokes, M.E., in collaboration with J.N. Darroch, D.H. Freeman, Jr. and H.D. Tolley [1981]. Categorical data analysis: Some reflections on the log linear model and logistic-regression. *International Statistical Review* 49, 265-283.
95. Schnitman, P.A., Shulman, L.B. and Koch, G.G. [1981]. Research design, statistics, and general methodology for this consensus development conference. Dental Implant: Benefits and Risk, Washington, DC: U.S. Government Printing Office, 11-49.
96. Hull, J.H., Hak, L.J., Koch, G.G., Wargin, W.A., Chi, S.L. and Mattocks, A.M. [1981]. Influence of range of renal function and liver disease on the predictability of creatinine clearance. *Clinical Pharmacology and Therapeutics* 29(4), 516-521.

97. Rumack, B.H., Peterson, R.G., Koch, G.G. and Amara, I.A. [1981]. Acetaminophen overdose: 662 cases with evaluation of oral N-acetylcysteine treatment. *Archives of Internal Medicine*, 380-385.
98. Shapiro, W., Park, J. and Koch, G.G. [1982]. Variability of spontaneous and exercise-induced ventricular arrhythmias in the absence and presence of treatment with acebutolol or quinidine. *The American Journal of Cardiology* 49, 445-453.
99. Bauman, K.E., Koch, G.G. and Bryan, E.S. [1982]. Validity of self reports of adolescent cigarette smoking. *International Journal of the Addictions* 17, 1131-1136.
100. Koch, G.G. and Bhapkar, V.P. [1982]. Chi-square tests. Encyclopedia of Statistical Sciences, Vol. 1, edited by N.L. Johnson and S. Kotz, John Wiley and Sons, Inc., New York, 442-457.
101. Koch, G.G. and Stokes, M.E. [1982]. Chi-square tests: Numerical examples. Encyclopedia of Statistical Sciences, Vol. 1, edited by N.L. Johnson and S. Kotz, John Wiley and Sons, Inc., New York, 457-472.
102. Imrey, P.B., Koch, G.G. and Stokes, M.E., in collaboration with J.N. Darroch, D.H. Freeman, Jr. and H.D. Tolley [1982]. Categorical data analysis: Some reflections on the log linear model and logistic regression. Part II: Data analysis. *International Statistical Review* 50, 35-63.
103. Koch, G.G. [1982]. Discussion of "Graduate programs in statistics." *Proceedings of the Conference on Teaching of Statistics and Statistical Consultation*, edited by J. Rustagi and D. Wolfe, Academic Press, New York, 101-111.
104. Imrey, P.B., Koch, G.G. and Davis, G.W. [1982]. Applications of log-linear models to epidemiologic research. *Proceedings of the Canadian Conference on Applied Statistics*, edited by T.D. Dwivedi, Academic Press, New York.
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