



CURRICULUM VITAE

DAVID STRAUSS

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Contact Information

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Education

B.A., Mathematics (with First Class Honors),
Cambridge University, England, 1968

M.S., Statistics, Sussex University, England, 1969

Ph.D., Statistics, Sussex University, England, 1971

Employment

1971-2001: Professor, Department of Statistics
University of California, Riverside

Honors

Elected Fellow of the American Statistical Association, 1992

Distinguished Community Service Award: ARC (the Association for Retarded Citizens) California, 1998

Publications

Some 150 articles, mostly peer-reviewed. See attached bibliography.

Research

Life expectancy and epidemiological studies in developmental disabilities and traumatic injury.

Presentations on developmental disability, traumatic injury, and life expectancy.

2013

June London, England: "Understanding Life Expectancy" Presentation at the XL Group Catastrophic Injury Seminar

2011

June Manchester, England: "Myths in Life Expectancy" Presentation at the AVMA (Action for Victims of Medical Accidents) Conference

2005

July London, England: Speaker at Royal Society of Medicine Conference on Prognosis and Life Expectancy in Complex Neurological Disabilities

2004

September Cambridge, England: Presentation at Personal Negligence Bar Association Conference.

2003

November London, England: Speaker, "Life Expectancy: The Scientific Approach". Kennedys Liability Lecture Series 2003/2004. Catastrophic Injury: The Medical Issues.

2002

September London, England: Speaker, "A Strategic Approach to Catastrophic Injury" Conference organized by Beachcroft Wansbroughs Solicitors.

September "Life expectancy in litigation." Lecture organized by Kennedys Solicitors.

2001

December Moderator, Conference on Worklife Expectancy given over the Internet. Mdex on-line.

December "Mortality Research at the UC Life Expectancy Project" Lecture at the University of California San Francisco Division of Epidemiology and Biostatistics.

August "Life expectancy: What Catastrophic Injury Litigation Professionals Need to Know." Lecture given over the Internet, organized by Mdex on-line.

March "Life expectancy: What economic damage experts and medical legal consultants need to know." Lecture given over the Internet, organized by Mdex on-line.

2000

July Vancouver, Canada: "Life Expectancy and Discounting the cost of future care for plaintiffs with severe disability." Annual conference of the Western Economics Association.

May Columbia, SC: U.S. Department of Justice. Presentation on life expectancy for attorneys in cases of babies born with developmental disabilities.

1999

September San Francisco CA: "Life Expectancy in Children with Cerebral Palsy." Conference -- The Experts Analyze Brain-Damaged Baby Cases – sponsored by the UC Davis Medical School and the American Bar Association.

1998

August Los Angeles, CA: Testimony at hearing on Complaint against the California Chapter of the Association of Retarded Citizens.

July Interview on KCET Channel 28 television ("Life and Times") regarding avoidable deaths in community care among persons with disability.

May "On Life Expectancy." Department of Statistics, University of California, Riverside.

May "The California Mortality Studies and their implications." Ontario CA: Presentation to the California Medical Association Advisory Committee on the Care of the Developmentally Disabled.

March The Royal Statistical Society (Medical Section), London, England: "The Life Expectancy of Persons with Chronic Disabilities."

March "The California mortality studies on developmental disability." Wolfson College of Preventative Medicine, London.

March London, England: Society for Action for Victims of Medical Accidents. "Life Expectancy: its meaning, importance, and estimation."

February UC San Diego, Department of Mathematics. "On Life Expectancy."

January Kiwanis, Riverside. "Mental Retardation Studies at UCR: Science and Politics."

1997

November Department of Biostatistics, UCLA. "Statistical lessons from the California Mental Retardation Data Base."

October Visalia, CA: "Mortality research at UC Riverside." Keynote Speaker at the American Association for Mental Retardation, Region II Annual Conference.

October Visalia, CA: Organizer and member of panel on "Improving the Care and Safety of Community Life for Persons with Developmental Disabilities." The American Association for Mental Retardation, Region II Annual Conference.

October Vancouver, British Columbia. "Life Expectancy: Basic Principles and New Figures." Eleventh Annual Pacific Brain Injury Conference.

October Vancouver, British Columbia. "Recent research at the UC Riverside Life Expectancy Project." Department of Pediatrics, University of British Columbia.

August Harrisburg, PA: Expert Testimony to Pennsylvania legislature regarding research on de-institutionalization of persons with developmental disabilities.

May The RAND Corporation, Los Angeles: "Coping with confounding: Lessons from the California mental retardation data base."

April Interview on KPFA radio, Berkeley, regarding research on mortality in mental retardation.

- March Panelist on KQED radio, San Francisco, on the "Forum" program on care of persons with mental retardation.
- March San Francisco, CA: Testimony to the California Medical Association re: public health problems in community care for the mentally retarded.
- February Sacramento, CA: Testimony at the California Senate Committee Hearing on "Quality of Life of persons with developmental disability released into the community."
- February Department of Pediatrics, University of British Columbia. "Prognosis for survival and improvement in function of children with severe developmental disability."
- February Department of Physiatry, University of British Columbia. "California research on persons with mental retardation: experiences with a large data base."
- February Department of Health Care and Epidemiology, University of British Columbia. "Patterns of mortality of persons with developmental disability: comparison of institutions and the community."
- February Department of Statistics, University of British Columbia. "Coping with confounding: lessons from the California mental retardation data base."
- January Langley-Porter Institute, UC San Francisco. "Patterns of mortality of persons with developmental disability."
- January Department of Statistics, UC Riverside. "Coping with confounding: lessons from the California mental retardation data base."

1996

- November Interview on KGO TV, San Jose, regarding research at UC Riverside and its implications for the closure of state institutions for the mentally retarded.
- September Ontario, CA: "Tracking persons with developmental disability who left developmental centers, 1993-95." Presentation to joint meeting of CASHPCR, CAPT and allied groups.
- September Minneapolis, MN: Poster presentation ("Prognosis for survival and improvement of children with severe developmental disability"). Annual meeting of the Child Neurological Society; with Dr. Stephen Ashwal.
- April Sacramento, CA: Presentation at meeting of the California Association of Psychiatric Technicians and allied groups. "Mortality studies at UC Riverside."
- March Centers for Disease Control, Atlanta Georgia: "Research at UC Riverside on developmental disability."
- March Chaired session on "Adulthood and Aging" and gave presentation on recent mortality research at the annual conference on theory and research in mental retardation, Gatlinburg, TN.
- March Plenary speaker at the annual meeting of the California Chapter of the Association for Retarded Citizens, San Francisco, CA.

1995

- August Presentation at meeting of the Sonoma chapter of CASHPCR (parents' association at the developmental center), Sonoma, CA.
- June Chair of session and presenter of talk at the annual meeting of the American Association on Mental Retardation, San Francisco, CA.
- June Poster presentation at the annual meeting of the American Association on Mental Retardation, San Francisco, CA.
- March Presentation at meeting of the Fairview chapter of CASHPCR (parents' association for children in Fairview developmental center), Costa Mesa, CA.

1994

- December Department of Developmental Services, Sacramento, CA: presentation on research on comparative mortality in institutions and the community.

Work with professional journals

Editorial board of the Journal of Insurance Medicine (1999-present)

Editorial consultant for the following journals:

American Antiquity
American Journal on Mental Retardation
American Statistician
Annals of the Institute of Statistical Mathematics
Applied Statistics
Behavioral Science Research
Biometrics
Biometrika
Communications in Statistics
Current Anthropology
Developmental Medicine and Child Neurology
Econometric Reviews
Forest Science
International Journal of Wildland Fires
Journal of Applied Probability
Journal of Epidemiology and Community Health
Journal of Mathematical Psychology
Journal of the American Statistical Association
Journal of the Royal Statistical Society
Mathematical Geology
Mathematical Sociology
Mathematical Reviews
Mental Retardation
Pediatrics
Psychometrika
Social Networks

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Publications: Refereed

1. Strauss, DJ. "Independence of Variables in Numerical Taxonomy." *Systematic Zoology* (1971), 12,470-471.
2. Strauss, DJ. "Analysis of Drug Effects on Body Temperature." *Biometrics* (1971), 17, 721-724.
3. Strauss, DJ. "Classification Techniques." *Collective Phenomena*, (1973) 1, 119-126.
4. Strauss, DJ. "Analyzing binary lattice data with the nearest neighbor property." *Journal of Applied Probability* (1975), 12, 702-712.
5. Strauss, DJ. "A model for clustering." *Biometrika* (1975), 62, 467-475.
6. Strauss, DJ. and M. Orans. "Mighty Sifts: A critical appraisal of solutions to Galton's problems and a partial solution (with reply)." *Current Anthropology* (1975), 16, 573-594.
7. Strauss DJ. "Clustering on colored lattices." *Journal of Applied Probability* (1977), 14, 135-143.
8. Strauss DJ. "Runs of occupied cells." *Biometrika* (1977), 64, 170-171.
9. Strauss DJ. "Measuring endogamy." *Social Science Research* (1977), 6, 225-245.
10. Strauss DJ. "Evaluation of Classification Techniques." *Trabajos de Estadística* (1977), 28, 167-182.
11. Ziemer RR and DJ Strauss. "A statistical approach to instrument calibration." U.S.D.A. Forestry Service Technical Report (1978).
12. Strauss DJ and M. Orans. "Residence and descent is hyper-diffusional?" *Behavior Science Research* (1978), 13, 1-24.
13. Strauss DJ and M. Orans. "Reply to Commentators" and "On the Cluster Reduction Method." *Behavior Science Research* (1978), 13, 51-63.
14. Strauss DJ "Some results on random utility models." *Journal of Mathematical Psychology* (1979), 20, 35-52.
15. Strauss DJ "Chance in Guttman Scaling." *Social Science Research* (1980) 9, 76-82.
16. Strauss DJ "Choice by Features." *British Journal of Mathematical and Statistical Psychology* (1981), 34, 50-61.
17. Strauss DJ "Testing Partial Correlations When the Third Variable is Measured in Error." *Educational and Psychological Measurement* (1981), 41, 349-358.
18. Robertson CA and DJ Strauss. "A Characterization Theorem for Random Utility Variables." *Journal of Mathematical Psychology* (1981), 23, 184-189.
19. Strauss, DJ and AK Romney. "Log-linear Multiplicative Models for the Analysis of Endogamy." *Ethnology* (1982), 21, 79-99.
20. Strauss, DJ and DN Neal. "Biases in the Step-point Method on Bunchgrass Ranges." *Journal of Range Management* (1983), 36, 623-626.
21. Strauss DJ "The Hammersley-Clifford Theorem." Invited contribution to the *Encyclopedia of Statistical Sciences*, NL Johnson and S Kotz, editors, (1983), 3, 570-572.

22. Strauss DJ "Luce's Choice Axiom and Generalizations." Invited contribution to Encyclopedia of Statistical Sciences, NL Johnson and S Kotz, editors, (1985), 5, 167-170.
23. Frank O and DJ Strauss. "Markov Graphs." Journal of the American Statistical Association (1986), 81, 832-842.
24. Strauss DJ "A General Class of Models for Interaction." Society for Industrial and Applied Mathematics, Review (1986), 28, 513-527.
25. Strauss DJ "Random Utility Models." Invited contribution to Encyclopedia of Statistical Sciences, NL Johnson and S Kotz, editors, (1986), 7, 572-573.
26. Strauss, DJ and BC Arnold. "The Rating of Players in Racquetball Tournaments." Journal of the Royal Statistical Society, Series C, (Applied Statistics), 1987, 36, 163-73.
27. Arnold BC and DJ Strauss. "Bivariate distributions with Exponential Conditionals." Journal of the American Statistical Association (1988), 83, 522-527.
28. Strauss, DJ and PM Sadler. "Stochastic Models for the Completeness of Stratigraphic Sections." Mathematical Geology (1989), 21, 37-59.
29. Strauss DJ and LC Freeman (1989). "Stochastic Modeling and the Analysis of Structural Data." In Research Methods in Social Network Analysis, eds. LC Freeman, AK Romney, and D White, pp. 135-183. George Mason University Press.
30. Strauss DJ and PM Sadler. "Classical Confidence Intervals and Bayesian Probability Estimates for Ends of Local Taxon Ranges." Mathematical Geology (1989), 21, 411-427.
31. Strauss DJ, L Bednar, and R Mees. "Do 1% of Forest Fires Cause 99% of the Damage?" Forest Science, (1989), 35, 319-328.
32. Kemple WG, Sadler PM, and DJ Strauss. "A Constrained Optimization Solution to the Stratigraphic Correlation Problem." In Statistical Application in the Earth Science, ed. FP Agtenberg & GF Bonham Carter; Geological Survey of Canada, Paper 89-9, pp. 417-425 (1989).
33. Sadler PM and DJ Strauss. "Estimating Stratigraphic Completeness from Stochastic Models and Empirical Data." Journal of the London Geological Society, (1990), 147, 471-485.
34. Strauss DJ and M Ikeda. "Pseudolikelihood Estimation for Social Networks." Journal of the American Statistical Association, (1990), 85, pp. 204-212.
35. Bednar L, R Mees and DJ Strauss. "Fire Suppression Effectiveness For Simultaneous Fires: An Examination of Fire Histories". Western Journal of Applied Forestry, (1990), 5, pp. 16-19.
36. Arnold BC and DJ Strauss. "Bivariate Distributions with Conditionals in Prescribed Exponential Families", Journal of the Royal Statistical Society, B, 53, (1991), pp. 365-376.
37. Clyde MC and DJ Strauss. "Logistic Regression for Spatial Pair-potential models." In Spatial Statistics and Imaging, ed. A. Possolo (1991), pp. 14-30, IMS Lecture Notes - Monograph Series. IMS: Hayward, Calif.
38. Arnold BC and DJ Strauss. "Pseudolikelihood Estimation: Some Examples." Sankhya, 53 (1991), 233-43.
39. Mees, RM and DJ Strauss. "Allocating Resources to Large Wildland Fires: a model with Stochastic Production Rates." Forest Science, 38, (1991), pp. 842-853.

40. Strauss DJ "The Many Faces of Logistic Regression." *The American Statistician*, 46 (1992), p. 321-327.
41. Mees RM, DJ Strauss, and R Chase. "Modeling Wildland Fire Containment with Uncertain Flame length and Fire line Width." *International Journal of Wildland Fire*, 3 (1993), 179-185.
42. Mees RM, DJ Strauss and R Chase (1994). "Minimizing the Cost of Wildland Fires: a model with uncertainty in predicted flame length and fire line width produced." *Canadian Journal of Forest Research*, 24, 1253-1259.
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54. Pary RJ, Strauss DJ, and White JF (1996). A population survey of suicidal behavior in persons with and without Down Syndrome. *Down Syndrome Quarterly*, vol. 1, 12-13.
55. Strauss DJ, Kastner TA, Ashwal S, and White JF (1997). "Tube feeding and Mortality in Children with Severe Disabilities and Mental Retardation." *Pediatrics*, 99, 358-362.
56. Strauss DJ and Shavelle RM (1997). On comparative mortality in institutions and the community. Letter to the Editor, *American Journal of Public Health*, 87, 1870-71.

57. Singer RB, DJ Strauss (1997). Survival of persons with developmental disability, with and without Down Syndrome, 1986-91. *Journal of Insurance Medicine*, 29, 172-184.
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63. Strauss DJ, Shavelle RM, Anderson TW, & Baumeister AA (1998). Externally-caused deaths in persons with developmental disability. *American Journal of Epidemiology*, 147, 855-62.
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65. Strauss DJ, Shavelle RM (1998). "Life expectancies of persons with chronic disabilities." *Journal of Insurance Medicine*, 30: 95-107.
66. Strauss DJ, Shavelle RM, Anderson TW (1998). Long-term survival of children and adolescents after traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, 79: 1095-1100.
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68. Strauss DJ, Kastner TA, and Shavelle RM (1998). "Mortality in persons with developmental disabilities, 1985-94." *Mental Retardation*, 30, 368-391.
69. Shavelle RM, Strauss DJ (1998). Comparative mortality of persons with autism in California, 1980-96. *Journal of Insurance Medicine*, 30: 220-225.
70. Singer RB, Strauss DJ, Shavelle RM (1998). Comparative Mortality of Cerebral Palsy Patients in California, 1980-96. *Journal of Insurance Medicine*, 30: 240-46.
71. Shavelle RM & Strauss DJ (1999). "Mortality of persons with developmental disability after transfer into community care: A 1996 follow-up." *American Journal on Mental Retardation*, 104, 143-147.
72. Shavelle RM & Strauss DJ (1999). "The semi-longitudinal multistate life table." *Mathematical Population Studies*, 7, 161-177.
73. Strauss DJ, Cable W, Shavelle RM (1999). "Causes of excess mortality in cerebral palsy." *Developmental Medicine and Child Neurology*, 41, 580-585.
74. Strauss DJ, Shavelle RM, Ashwal S (1999). Life expectancy and median survival time in the permanent vegetative state. *Pediatric Neurology*, 21(3), 626-631.

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76. Strauss DJ, DeVivo MJ, Shavelle RM (2000). Long term mortality risk after spinal cord injury. *Journal of Insurance Medicine*, 32, 11-16.
77. Shavelle RM, Strauss D. (2000). Comparative Mortality of Adults with Traumatic Brain Injury in California, 1988-97. *Journal of Insurance Medicine*, 32:163-166.
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82. Shavelle RM, Strauss DJ, and Pickett JA (2001). Causes of death in autism. *Journal of Autism and Developmental Disorders*, 31: 569-576.
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96. Pflaum C, McCollister G, Strauss DJ, Shavelle RM, DeVivo MJ (2006). Worklife following traumatic spinal cord injury. *Journal of Spinal Cord Medicine*, 29:377-386.
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99. Day SM, Strauss DJ, Vachon PJ, Rosenbloom L, Shavelle RM, Wu YW (2007). Growth patterns in a population of children and adolescents with cerebral palsy. *Developmental Medicine & Child Neurology*, 49:167-171.
100. Day SM, Wu YW, Strauss DJ, Shavelle RM, Reynolds RJ (2007). Change in ambulatory ability of adolescents and young adults with cerebral palsy. *Developmental Medicine & Child Neurology*, 49:647-653.
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117. Strauss DJ, Rosenbloom L, Shavelle RM, Brooks JC (2012). Improved survival in cerebral palsy in recent decades? *Developmental Medicine & Child Neurology*, 54:867. DOI: 10.1111/j.1469-8749.2012.04349.x. Epub 2012 Jul 19.
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