

Paul D. Allison

Curriculum Vitae

Office Address:

Department of Sociology
University of Pennsylvania
3718 Locust Walk
Philadelphia, PA 19104-6299
Voice: 215-898-6712
Fax: 215-573-2081

Home Address:

530 New Gulph Rd.
Haverford, PA 19041-1617
610-520-0820

E-mail: allison@soc.upenn.edu
Web: <http://www.ssc.upenn.edu/~allison/>
<http://www.statisticalhorizons.com>

Education:

A. B. St. Louis University, 1970 (Magna Cum Laude)
M. S. University of Wisconsin at Madison, 1973
Ph.D. University of Wisconsin at Madison, 1976

Employment:

1987- Professor, Department of Sociology, University of Pennsylvania
1981-87 Associate Professor, Department of Sociology, University of Pennsylvania
1980-81 Associate Professor, Department of Sociology, Cornell University
1976-80 Assistant Professor, Department of Sociology, Cornell University
1975-76 Lecturer, Department of Sociology, State University of New York at Stony Brook

Awards:

1977-78 Social Science Research Council Postdoctoral Fellow, University of Chicago.
1986-87 John Simon Guggenheim Memorial Foundation Fellowship.
1986- Sociological Research Association, Elected Member
2001 Paul Lazarsfeld Memorial Award for Distinguished Contributions to Sociological Methodology.

Books and Monographs:

1980 *Processes of Stratification in Science*. New York: Arno Press.
1984 *Event History Analysis*. Beverly Hills: Sage Publications.
1995 *Survival Analysis Using the SAS System: A Practical Guide*. Cary, N.C.: SAS Institute.
1999 *Multiple Regression: A Primer*. Thousand Oaks, CA: Pine Forge Press.
1999 *Logistic Regression Using the SAS System: Theory and Applications*. Cary, NC: SAS Institute.
2001 *Missing Data*. Thousand Oaks, CA: Sage Publications
2005 *Fixed Effects Regression Methods for Longitudinal Data Using SAS*. Cary, NC: SAS Institute.

Articles:

Allison, Paul D. and John A. Stewart

1974 "Productivity differences among scientists: evidence for accumulative advantage." *American Sociological Review* 39: 596-606. Reprinted in Paula E. Stephan and David B. Audretsch (eds.), *The Economics of Science and Innovation*. Northampton, MA: Edward Elgar.

Allison, Paul D.

1976 "A simple proof of the Spearman-Brown formula for continuous test lengths." *Psychometrika* 41: 135-36.

Allison, Paul D., Derek de Solla Price, Belver C. Griffith, Michael Moravcsik, and John A. Stewart

1976 "Lotka's law: a problem in its interpretation and application." *Social Studies of Science* 6: 269-76.

Hargens, Lowell L., Barbara F. Reskin, and Paul D. Allison

1976 "Problems in estimating measurement error from panel data: an example involving the measurement of scientific productivity." *Sociological Methods and Research* 4: 439-58.
Reprinted in Hubert M. Blalock (ed.), *Causal Models in Panel and Experimental Designs*. Aldine, 1985.

Allison, Paul D.

1977 "The reliability of variables measured as the number of events in an interval of time." Pp. 238-53 in Karl Schuessler (ed.), *Sociological Methodology 1978*. San Francisco: Jossey-Bass.

Allison, Paul D.

1977 "Testing for interaction in multiple regression." *American Journal of Sociology* 83: 144-53.

Allison, Paul D.

1978 "Measures of inequality." *American Sociological Review*. 43: 865-80.

Allison, Paul D.

1979 "Experimental parapsychology as a rejected science". Pp. 271-91 in Roy Wallis (ed.), *On the Margins of Science: The Social Construction of Rejected Knowledge*. Sociological Review Monograph No. 27. University of Keele.

Long, J. Scott, Paul D. Allison and Robert McGinnis

1979 "Entrance into the academic career." *American Sociological Review* 44: 816-30.

Allison, Paul D.

1980 "Analyzing collapsed contingency tables without actually collapsing." *American Sociological Review* 45: 123-30.

Long, J. Scott, Robert McGinnis and Paul D. Allison

1980 "The problem of junior-authored papers in constructing citation counts." *Social Studies of Science* 10: 127-43.

Allison, Paul D.

1980 "Inequality and scientific productivity." *Social Studies of Science* 10: 163-79.

Allison, Paul D.

1980 "Estimation and testing for a Markov model of reinforcement." *Sociological Methods and Research* 8: 434-53.

Allison, Paul D.

1982 "Discrete-time methods for the analysis of event histories." Pp. 61-98 in Samuel Leinhardt (ed.), *Sociological Methodology 1982*. San Francisco: Jossey-Bass.

McGinnis, Robert, Paul D. Allison and J. Scott Long

1982 "Postdoctoral training in bioscience: allocation and outcomes." *Social Forces* 60: 701-22.

Allison, Paul D., J. Scott Long and Tad K. Krauze

1982 "Cumulative advantage and inequality in science." *American Sociological Review* 47: 615-25.

Allison, Paul D. and Jeffrey K. Liker

1982 "Analyzing sequential categorical data on dyadic interaction." *Psychological Bulletin* 91: 393-403.

Allison, Paul D.

1982 "Regression analysis of inequality measures applied to interval scales." *Quality and Quantity* 16: 251-60.

Furstenberg, Frank F., Judy Shea, Paul D. Allison, Roberta Herceg-Baron and David Webb

1983 "Contraceptive continuation among adolescents attending family planning clinics." *Family Planning Perspectives* 15: 211-17.

Allison, Paul D.

1985 "Survival analysis of backward recurrence times." *Journal of the American Statistical Association* 80: 315-22.

Allison, Paul D.

1987 "Introducing a disturbance into logit and probit regression models." *Sociological Methods and Research*. 15: 355-374.

Allison, Paul D.

1987 "Estimation of linear models with incomplete data." Pp. 71-103 in Clifford Clogg (ed.), *Sociological Methodology 1987*. Washington, DC: American Sociological Association.

Allison, Paul D. and J. Scott Long

1987 "Inter-university mobility of academic scientists." *American Sociological Review* 52: 643-652.

Furstenberg, Frank F., S. Philip Morgan and Paul D. Allison

1987 "Paternal participation and children's well-being after marital dissolution." *American Sociological Review* 52: 695-701.

Bienen, Leigh B., Neil A. Weiner, Deborah W. Denno, Paul D. Allison, and Douglas L. Mills

1988 "The reimposition of capital punishment in New Jersey: The role of prosecutorial discretion." *Rutgers Law Review* 41: 27-372.

Allison, Paul D. and Frank F. Furstenberg, Jr.

1989 "How marital dissolution affects children: Variations by age and sex." *Developmental Psychology* 25: 540-549.

Allison, Paul D.

1990 "Change scores as dependent variables in regression analysis." Pp. 93-114 in Clifford Clogg (ed.), *Sociological Methodology 1990*. Oxford: Basil Blackwell.

Allison, Paul D. and J. Scott Long

1990 "Departmental effects on scientific productivity." *American Sociological Review* 55: 469-478.

Allison, Paul D. and Robert Hauser

1991 "Reducing bias in estimates of linear models by remeasurement of a random subsample." *Sociological Methods and Research* 19: 466-492.

Bienen, Leigh B., Neil A. Weiner, Paul D. Allison, and Douglas L. Mills

1991 "The reimposition of capital punishment in New Jersey: Felony-murder cases." *Albany Law Review* 54:709-817.

- Allison, Paul D.
1992 "Event history analysis." Pp. 599-603 in Edgar F. Borgatta and Marie L. Borgatta (eds.), *Encyclopedia of Sociology*. New York: Macmillan.
- Allison, Paul D.
1992 "Cultural relatedness under oblique and horizontal transmission rules." *Ethology and Sociobiology* 13: 153-169.
- Allison, Paul D.
1992 "The cultural evolution of beneficent norms." *Social Forces* 71: 279-301.
- Long, J. Scott, Paul D. Allison and Robert McGinnis
1993 "Rank advancement in academic careers: Sex differences and the effects of productivity." *American Sociological Review* 58:703-722.
- Allison, Paul D. and Nicholas Christakis
1994 "Logit models for sets of ranked items." Pp. 199-228 in Peter V. Marsden (ed.), *Sociological Methodology 1994*. Oxford: Basil Blackwell.
- Allison, Paul D.
1994 "Using panel data to estimate the effects of events." *Sociological Methods and Research* 23: 174-199.
- Allison, Paul D.
1995 "The impact of random predictors on comparisons of coefficients between models." *American Journal of Sociology* 100:1294-1305.
- Allison, Paul D.
1995 "Exact variance of indirect effects in recursive linear models." Pp. 253-266 in Peter V. Marsden (ed.), *Sociological Methodology 1995*. Oxford: Basil Blackwell.
- Allison, Paul D.
1996 "Fixed effects partial likelihood for repeated events." *Sociological Methods and Research* 25: 207-222.
- Allison, Paul D.
1999 "Comparing logit and probit coefficients across groups." *Sociological Methods and Research* 28: 186-208.
- Allison, Paul D.
2000 "Multiple imputation for missing data: A cautionary tale." *Sociological Methods and Research* 28: 301-309.
- Allison, Paul D. and Richard Waterman
2002 "Fixed effects negative binomial regression models." In Ross M. Stolzenberg (ed.), *Sociological Methodology 2002*. Oxford: Basil Blackwell.
- Keane, Anne, Arlene D. Houldin, Paul D. Allison, Christopher Jepson, Justine Shults, Isaac F. Nuamah, Ann Marie Walsh Brennan, Barbara J. Lowery and Ruth McCorkle. "Factors associated with distress over time in urban residential fire survivors." *Journal of Nursing Scholarship*.
- Smith, Kenwyn K., David L. Eldridge, Dana S. Kaminstein, and Paul D. Allison
2002 "Corporate health revisited: An update on illness and organizational dynamics." Forthcoming in *Journal of Applied Behavioral Science* 38(2).
- Allison, Paul D.
2003 "Missing data techniques for structural equation models." *Journal of Abnormal Psychology* 112: 545-557.
- Allison, Paul D.
2004 "Convergence problems in logistic regression." Pp. 247-262 in Micah Altman, Jeff Gill, and Michael McDonald (eds.) *Numerical Issues in Statistical Computing for the Social Scientist*. New York: Wiley-Interscience.

Cole, Steven R., Paul D. Allison and C. V. Ananth.

2004 "Estimation of cumulative odds ratios." *Annals of Epidemiology*. 14: 172-178.

Allison, Paul D.

2003 "Event history analysis." Forthcoming in Alan E. Bryman and Melissa Hardy (eds.), *Handbook of Data Analysis*. Thousand Oaks, CA: Sage.

Allison, Paul D. and Nicholas Christakis

2006 "Fixed effects methods for the analysis of nonrepeated events." Forthcoming in Ross M. Stolzenberg (ed.), *Sociological Methodology 2006*.

Christakis, Nicholas and Paul D. Allison

2006 "Mortality after the Hospitalization of a Spouse." *New England Journal of Medicine* 354: 719-730.

Cole, Steven R, Haitao Chu, Paul D. Allison and Stephen Gange

2006 "Combined analysis of retrospective and prospective occurrences in cohort studies: HIV-1 serostatus and incident pneumonia." *International Journal of Epidemiology*, forthcoming.

England, Paula, Paul D. Allison and Yuxiao Wu

2006 "Does bad pay cause occupations to feminize, does feminization reduce pay, and how can we tell with longitudinal data?" Forthcoming in *Social Science Research*.

England, Paula, Paul Allison, Su Li, Noah Mark, Jennifer Thompson, Michelle Budig, Han Sun

2007 "Why are some academic fields tipping toward female? The sex composition of U.S. fields of doctoral degree receipt, 1971-2002." *Sociology of Education* 80: 23-42.

Commentary and Reviews:

Allison, Paul D.

1975 "On Clemente's conclusions." *American Journal of Sociology* 80: 1237-39.

Allison, Paul D. and John A. Stewart

1975 "Reply to Faia." *American Sociological Review* 40: 829-31.

Allison, Paul D.

1978 Review of Harriet Zuckerman's *Scientific Elite*. In *Political Science Quarterly* 93: 345-47.

Allison, Paul D.

1978 Review of Elkana et al., *Toward a Metric of Science*. In *Society for Social Studies of Science Newsletter* 3: 33-34.

Allison, Paul D.

1979 "Reply to Jasso." *American Sociological Review* 44: 870-72.

Allison, Paul D.

1981 "Inequality measures for nominal data." *American Sociological Review* 46: 371-73.

Long, J. Scott, Robert McGinnis and Paul D. Allison

1981 "Reply to Chubin, Porter and Boeckman." *American Sociological Review* 46: 496-98.

Allison, Paul D.

1983 Comment on "A model for cancer mortality rates." *Biometrics* 39: 530-31.

Allison, Paul D.

1990 Review of Oliner and Oliner, *The Altruistic Personality*. *Public Opinion Quarterly* 54: 442-444.

Allison, Paul D.

1990 Review of Blossfeld, Hamerle and Mayer, *Event History Analysis*. In *Contemporary Sociology* 19: 624-625.

Allison, Paul D.

1992 Review of Wuthnow, *Acts of Compassion*. In *Contemporary Sociology* 21: 436-438.

Grants:

- 1978-80 Principal Investigator, "Productivity in Science: The Role of University Departmental Resources and Quality," National Science Foundation.
- 1982-83 Principal Investigator, "The Use of Survival Methods to Improve Predictive Models Based on Criminal Histories," National Institute of Justice.
- 1982-84 Co-Principal Investigator, "Contraceptive Use and Clinic Continuation Among Adolescents," Office of Adolescent Pregnancy Programs.
- 1985-86 Principal Investigator, "Effects of Divorce on Children," National Science Foundation.
- 1985-86 Principal Investigator, "Productivity and Prestige in Science," National Science Foundation.

Professional Activities:

- 1976 - Editorial Board Member, *Sociological Methods and Research*
- 1992 -1996 Editorial Board Member, *Sociological Forum*.
- 1993 -1996 Editorial Board Member, *American Journal of Sociology*
- 1987 -1991 Council Member, Methodology Section, American Sociological Association.
Member: American Sociological Association, American Statistical Association

Courses Taught:

Introductory Sociology, Introductory Research Methods, Introductory Statistics, Sociology of Science, Categorical Data Analysis, Multivariate Analysis, Structural Equation Models with Measurement Error, Event History Analysis, Altruism and Society, Judaism as a Sociocultural System.