

# François Nielsen

## Curriculum Vitae

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### Addresses

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### Personal

Born in Watermael-Boitsfort, Belgium. US citizen.

### Education

- 1972 B.A. Sociology. University of Brussels, Belgium. (*Licence en Sciences Sociales A – Pays Industrialisés. Université Libre de Bruxelles.*)  
With *Grande Distinction*.
- 1978 Ph.D. Sociology. Stanford University.

### Other Training

- 15th Annual International Workshop on the Methodology of Twin and Family Studies. Boulder, CO. 4–8 March 2002.
- Advanced Workshop on Methodology for Gene Finding and Genetic Epidemiology, sponsored by GenomEUtwin. Egmond-aan-Zee, Netherlands. 4–8 October 2004.
- 22th International Statistical Genetics Methods Workshop. Leuven, Belgium. 11–15 August 2008.

## Professional Experience

- 2007–2010 Editor, *Social Forces* (1 July 2007–30 June 2010)
- 1982–present Assistant to Full Professor, Department of Sociology  
University of North Carolina at Chapel Hill
- 1981–1982 Research Associate, School of Education  
University of North Carolina at Chapel Hill
- 1978–1982 Assistant Professor, Department of Sociology  
University of Chicago (on leave 1981–1982)
- 1978–1982 Research Associate, National Opinion Research Center  
University of Chicago
- 1977–1978 Assistant Professor, Department of Sociology  
McGill University
- 1976 Instructor, ICPSR Summer Program  
University of Michigan
- 1976 Instructor, Department of Sociology  
Stanford University

## Teaching Awards

- 1996–1997 Sociology Graduate Students Association Award for Excellence in Teaching. University of North Carolina at Chapel Hill
- 2008–2009 Sociology Graduate Students Association Award for Excellence in Mentoring. University of North Carolina at Chapel Hill

## Theses

- Nielsen, François. 1972. *Problèmes de méthode dans l'oeuvre de V. Pareto*. [Problems of Method in the Work of Vilfredo Pareto.] *Mémoire de Licence*. Université Libre de Bruxelles. (158 pp.)
- Nielsen, François. 1978. *Linguistic Conflict in Belgium: An Ecological Approach*. Ph.D. Dissertation. Stanford University. (x+242 pp.)

## Monographs

- Nielsen, François and Roberto M. Fernandez. 1982. *Achievement of Hispanic Students in American High Schools: Background Characteristics and Achievement*. NCES 82-219. (ERIC document ED 218-036.) Washington, DC: U.S. Government Printing Office. (xiv+83 pp.)

## Articles & Chapters

- Nielsen, François and Michael T. Hannan. 1977. "The Expansion of National Educational Systems: Tests of a Population Ecology Model." *American Sociological Review* 42:479–490.
- Nielsen, François and Michael T. Hannan. 1979. "The Expansion of National Educational Systems: Tests of a Population Ecology Model." Pp 56–71

- in *National Development and the World System: Educational, Economic and Political Change, 1950–1970*, edited by John W. Meyer and Michael T. Hannan. Chicago, IL: University of Chicago Press. [Reprinted from Nielsen and Hannan 1977.]
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- Nielsen, François and Rachel A. Rosenfeld. 1981a. “Substantive Interpretations of Differential Equation Models.” *American Sociological Review* 46:159–174.
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- Rosenfeld, Rachel A. and François Nielsen. 1984. “Inequality and Careers: A Dynamic Model of Socioeconomic Achievement.” *Sociological Methods and Research* 12:279–321.
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- Fernandez, Roberto M. and François Nielsen. 1986. “Bilingualism and Hispanic Scholastic Achievement: Some Baseline Results.” *Social Science Research* 15:43–70.
- Nielsen, François. 1986a. “Hispanics in High School and Beyond.” Pp 71–103 in *Latino College Students*, edited by Michael Olivas. New York: Teachers College Press.
- Nielsen, François. 1986b. “Structural Conduciveness and Ethnic Mobilization: The Flemish Movement in Belgium.” Pp 173–198 in *Competitive Ethnic Relations*, edited by Susan Olzak and Joane Nagel. New York: Academic Press.
- Nielsen, François and Steven J. Lerner. 1986. “Language Skills and School Achievement of Bilingual Hispanics.” *Social Science Research* 15:209–240.
- Nielsen, François. 1987. “Subnationalism and Collective Action.” Review essay on *New Nationalisms of the Developed West*, edited by Edward A. Tiryakian and Ronald Rogowski. *Contemporary Sociology* 16:57–59.
- Nielsen, François. 1994a. “Sociobiology and Sociology.” Pp 267–303 in *Annual Review of Sociology* 20, edited by John Hagan and Karen S. Cook. Palo Alto, CA: Annual Reviews.
- Nielsen, François. 1994b. “Income Inequality and Industrial Development: Dualism Revisited.” *American Sociological Review* 59:654–677.
- Nielsen, François. 1995a. “Meritocratic and Monopoly Inequality: A Computer Simulation of Income Distribution.” *Journal of Mathematical Sociology* 20: 319–350.

- Nielsen, François. 1995b. "Feminism and Selfish Genes." (Roundtable Commentaries: Feminism and Reproduction.) *Politics and the Life Sciences* 14: 182–184.
- Nielsen, François and Arthur S. Alderson. 1995. "Income Inequality, Development, and Dualism: Results from an Unbalanced Cross-National Panel." *American Sociological Review* 60:674–701.
- Marks, Gary, François Nielsen, Leonard Ray, and Jane Salk. 1996a. "Competencies, Cracks, and Conflicts: Regional Mobilization in the European Union." *Comparative Political Studies* 29:164–192.
- Marks, Gary, François Nielsen, Leonard Ray, and Jane Salk. 1996b. "Competencies, Cracks, and Conflicts: Regional Mobilization in the European Union." Pp 40–63 in *Governance in the European Union*, edited by Gary Marks, Fritz W. Scharpf, Philippe C. Schmitter, and Wolfgang Streeck. Thousand Oaks, CA: Sage. [Reprinted from Marks, Nielsen, Ray and Salk 1996a.]
- Nielsen, François and Arthur S. Alderson. 1997. "The Kuznets Curve and the Great U-Turn: Income Inequality in U.S. Counties, 1970 to 1990." *American Sociological Review* 62:12–33.
- Nielsen, François. 1998. "Sociobiology: The Evolution of Human Behavior." Chapter for *PRIMIS Perspectives Database*, edited by Craig Calhoun and George Ritzer. New York: McGraw-Hill. 28 pp.
- Nielsen, François and Jane Salk. 1998. "Ecology of Collective Action and Regional Representation in the European Union." *European Sociological Review* 14:231–254.
- Nielsen, François and Charles S. Warren. 1998. "Patterns of Income Inequality in North Carolina, 1980." *Sociological Analysis* 1(3):87–112.
- Alderson, Arthur S. and François Nielsen. 1999. "Inequality, Development, and Dependence: A Reconsideration." *American Sociological Review* 64:606–631.
- Nielsen, François and Arthur S. Alderson. 2001. "Trends in Income Inequality in the United States." Pp 355–385 in *Sourcebook on Labor Markets: Evolving Structures and Processes*, edited by Ivar Berg and Arne L. Kalleberg. New York: Plenum.
- Delacroix, Jacques and François Nielsen. 2001. "The Beloved Myth: Protestantism and the Rise of Industrial Capitalism in Nineteenth Century Europe." *Social Forces* 80:509–553.
- Alderson, Arthur S. and François Nielsen. 2002. "Globalization and the Great U-Turn: Income Inequality Trends in 16 OECD Countries." *American Journal of Sociology* 107:1244–1299.
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- Alderson, Arthur S. and François Nielsen. 2003b. "Globalisierung und die Große Kehrtwende: Entwicklung der Einkommensungleichheit in 16 OECD Staaten." Pp 323–362 in *Mehr Risiken – Mehr Ungleichheit? Abbau von Wohlfahrtsstaat, Flexibilisierung von Arbeit und die Folgen*, edited by Walter Müller and Stefani Scherer. Frankfurt, Germany: Campus Verlag. [Adapted in German from Alderson and Nielsen 2002.]
- Alderson, Arthur S. and François Nielsen. 2003c. "Income Inequality, Development, and Dependence: A Reconsideration." Pp 357–378 in *Development and Underdevelopment: The Political Economy of Global Inequality*, 3d edition, edited by John T. Passé-Smith and Mitchell A. Seligson. Boulder, CO : Lynne Rienner. [Adapted from Alderson and Nielsen 1999.]
- Bradley, David, Evelyne Huber, Stephanie Moller, François Nielsen, and John Stephens. 2003. "Distribution and Redistribution in Post-industrial Democracies." *World Politics* 55:193–228.
- Moller, Stephanie, David Bradley, Evelyne Huber, François Nielsen, and John Stephens. 2003. "Determinants of Relative Poverty in Advanced Capitalist Democracies." *American Sociological Review* 68:22–51.
- Nielsen, François. 2004a. "The Ecological-Evolutionary Typology of Human Societies and the Evolution of Social Inequality." In *Essays in Honor of Gerhard Lenski* [special issue], edited by Bernice McNair Barnett. *Sociological Theory* 22:292–314.
- Nielsen, François. 2004b. "The Vacant 'We': Remarks on Public Sociology." *Social Forces* 82: 4 (June): 1619–1627.
- Nielsen, François. 2005. "Sociobiology and Sociology." Pp 189–229 in *Nature: Critical Concepts in the Social Sciences – Volume 2: The Nature of 'Human Nature'*, edited by David Inglis, John Bone and Rhoda Willie. New York: Routledge. [Reprinted from Nielsen 1994a.]
- Alderson, Arthur S., Jason Beckfield, and François Nielsen. 2005a. "Exactly How Has Income Inequality Changed? Patterns of Distributional Change in Core Societies." *International Journal of Comparative Sociology* 46:405–424.
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- Nielsen, François. 2006. "Achievement and Ascription in Educational Attainment: Genetic and Environmental Influences on Adolescent Schooling." In *The Linking of Sociology and Biology* [special section], edited by Guang Guo. *Social Forces* 85: 1 (September): 193–216.
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- Huber, Evelyne, François Nielsen, Jenny Pribble, and John D. Stephens. 2006. "Income Inequality and the Welfare State in Contemporary Latin America." *American Sociological Review* 71 (6): 943–963.
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- Moller, Stephanie, Arthur S. Alderson, and François Nielsen. 2009. "Changing Patterns of Income Inequality in U.S. Counties, 1970–2000." *American Journal of Sociology* 114: 4 (January): 1037–1101.
- Nielsen, François. Forthcoming 2009. "Toward a Theory of Ethnic Solidarity in Modern Societies." In *Ethnic Conflict*, edited by Rajat Ganguly. London, England: SAGE Publications. ISBN: 978-1-84787-272-2. [Reprinted from Nielsen 1985.]

## Work In Progress

- Nielsen, François. "Macrosociology for the Emerging Synthesis." 45 pp. R&R.
- Nielsen, François and Craig Owen. "Social Inequality and Subsistence Technology: Cultural Inheritance or Internal Development?"

- Angle, John, François Nielsen, and Enrico Scalas. “The Kuznets Curve and the Inequality Process.” Draft in preparation for presentation at the Econophys-Kolkata IV International Workshop on Econophysics of Games and Social Choices, Indian Statistical Institute, Kolkata. 9–13 March 2009.
- Nielsen, François. “Industrial Revolution.” for *Blackwell Encyclopedia of Sociology – Abridged Edition*, edited by George Ritzer. Oxford, England: Blackwell Publishing. (Draft completed.)
- Salk, Jane E., François Nielsen, and Gary Marks. “Patterns of Cooperation Among Regional Offices in Brussels: Homophily, Complementarity, and National Embeddedness.” 40 pp.
- Lee, Peggy M. and François Nielsen. “Scientific Advisory Boards in the Drug Industry: Institutional or Competitive Isomorphism?”
- Ellis, Lee and François Nielsen. Textbook on Social Stratification [provisional title].
- “The Regions Come to Brussels: A Survey of Regional Organizations” (with Gary Marks). Survey in the field Fall 1998–Spring 1999.

## Book Reviews

- The Unexpected Rebellion: Ethnic Activism in Contemporary France*, by William R. Beer. *Contemporary Sociology* 11:756–758. 1982.
- Overshoot: The Ecological Basis of Revolutionary Change*, by William R. Catton. *American Journal of Sociology* 88:456–458. 1982.
- Conceptualization and Measurement in the Social Sciences*, by Hubert M. Blalock, Jr. *American Journal of Sociology* 89:1239–1241. 1984.
- Sociological Human Ecology: Contemporary Issues and Applications*, edited by Michael Micklin and Harvey M. Choldin. *Science* 226 (30 November):1066. 1984.
- Polyethnicity and National Unity in World History*, by William H. McNeill. *Contemporary Sociology* 17:605. 1988.
- Publish and Perish: The Organizational Ecology of the Newspaper Industries*, by Glenn R. Carroll. *Social Forces* 68:983–984. 1990.
- The Limits of Rationality*, edited by Karen Schweers Cook and Margaret Levi. *Contemporary Sociology* 21:277–278. 1993.
- The Bell Curve: Intelligence and Class Structure in American Life*, by Richard J. Herrnstein and Charles Murray. *Social Forces* 74:337–342. 1995.
- Biosociology: An Emerging Paradigm*, by Anthony Walsh. *Politics and the Life Sciences* 16 (March):154–156. 1997.
- “Happy Days Are Here Again!”, review of *Inequality by Design: Cracking the Bell Curve Myth*, by Claude S. Fischer, Michael Hout, Martín Sánchez Jankowski, Samuel R. Lucas, Ann Swidler, and Kim Voss. *Social Forces* 76:701–704. 1997.

*Nationalism, Liberalism, and Progress: The Rise and Decline of Nationalism*, by Ernst B. Haas. *Contemporary Sociology* 28:463–464. 1999.

*Biosociology of Dominance and Deference*, by Allan Mazur. *Contemporary Sociology* 36 (1): 28–29. 2007.

## Papers Presented At Professional Meetings

Young, Alice A. and François Nielsen. 1975. “Estimation in Multi-Wave Panel Models.” Pacific Sociological Association annual meeting in Victoria, BC.

Hannan, Michael T., Alice A. Young, and François Nielsen. 1975. “Specification Bias Analysis of the Effects of Grouping of Observations in Multiple Regression Models.” American Educational Research Association annual meeting in Washington, DC.

Nielsen, François. 1978. “A Competition Model of Collective Action.” Southern Sociological Society annual meeting in New Orleans, LA.

Nielsen, François. 1978. “The Flemish Movement in Belgium after World War II: A Dynamic Analysis.” International Sociological Association quadrennial meeting in Uppsala, Sweden.

Nielsen, François and Rachel A. Rosenfeld. 1978. “Substantive Interpretations of Differential Equation Models.” International Sociological Association quadrennial meeting in Uppsala, Sweden.

Nielsen, François. 1978. “Structural Conduciveness and Ethnic Mobilization: The Flemish Movement in Belgium.” American Sociological Association annual meeting in San Francisco, CA.

Nielsen, François. 1979. “Dynamic Analysis of Electoral Change: The Flemish Movement in Belgium after World War II.” Mathematical Models of Social Change conference in Bad Homburg, Germany.

Nielsen, François and Steven J. Lerner. 1982. “Language Skills and School Achievement of Bilingual Hispanics.” Part C Conference of the National Institute of Education in Leesburg, VA.

Nielsen, François. 1982. “Toward a Theory of Ethnic Solidarity in Modern Societies.” International Sociological Association quadrennial meeting in Mexico City, Mexico.

Fernandez, Roberto M. and François Nielsen. 1982. “Bilingualism and Hispanic Scholastic Achievement: Some Baseline Results.” American Sociological Association annual meeting in San Francisco, CA.

Nielsen, François. 1983. “Hispanics in High School and Beyond.” Educational Testing Service conference on Latino College Students in Princeton, NJ. January.

Nielsen, François. 1989. “Meritocratic and Monopoly Inequality: A Computer Simulation of Income Distribution.” Research Committee 28 (Social Stratification) of the International Sociological Association annual meeting in Stanford, CA. August.

- Nielsen, François. 1991. "Income Inequality and Development: Dualism Revisited." American Sociological Association annual meeting in Cincinnati, OH.
- Warren, Charles S. and François Nielsen. 1992. "A Structural Model of Child Abuse and Neglect." Southern Sociological Society annual meeting in New Orleans, LA. April.
- Nielsen, François and Charles S. Warren. 1992. "Income Inequality and Development in North Carolina Counties." American Sociological Association annual meeting in Pittsburgh, PA. August.
- Nielsen, François. 1993. "Human Behavior and the Basic Principles of Sociobiology." Southern Sociological Society annual meeting in Chattanooga, TN. April.
- Nielsen, François and Arthur S. Alderson. 1993. "Income Inequality and the Industrial Transition: Results from a Pooled Unbalanced Cross-National Data Set." Research Committee 28 (Social Stratification) of the International Sociological Association annual meeting in Durham, NC. August.
- Nielsen, François and Arthur S. Alderson. 1993. "Income Inequality Trends and the Great U-Turn: Evidence from North Carolina Counties, 1970–1990." American Sociological Association annual meeting in Miami, FL. August.
- Marks, Gary, François Nielsen, and Jane Salk. 1993. "Regional Offices in the European Union." Regions and Regional Mobilization in Western Societies conference in London, Ontario. 5–7 November.
- Marks, Gary, François Nielsen, and Jane Salk. 1993. "Regional Mobilization in the European Union." EC Cohesion Policy and National Networks conference in Nuffield College, Oxford. 2–5 December.
- Nielsen, François, Jane Salk, and Gary Marks. 1994. "Ecology of Collective Action & Regional Representation in the European Union." Southern Sociological Society annual meeting in Raleigh, NC. 7–10 April.
- Nielsen, François and Arthur S. Alderson. 1994. "Income Inequality, Development & the World System: Results from an Unbalanced Cross-National Panel." International Sociological Association quadrennial meeting in Bielefeld, Germany. July.
- Nielsen, François and Arthur S. Alderson. 1994. "Income Inequality, Development, & Dualism: Results from an Unbalanced Cross-National Panel." American Sociological Association annual meeting in Los Angeles, CA. August.
- Warren, Charles S., Arthur S. Alderson, and François Nielsen. 1994. "Structural Models of Reported Child Maltreatment in North Carolina Counties, 1980 & 1990." American Sociological Association annual meeting in Los Angeles, CA. August.
- Salk, Jane E., François Nielsen, and Gary Marks. 1994. "Patterns and Determinants of Cooperation among Sub-National Offices in Brussels: An Empirical Investigation." Strategic Management Society conference in Jouy-en-Josas, France. 20–23 September.

- Nielsen, François and Arthur S. Alderson. 1995. "Income Inequality, Development, and World System Position: Results from an Unbalanced Cross-National Panel." Southern Sociological Society annual meeting in Atlanta, GA. 6–9 April.
- Nielsen, François and Charles S. Warren. 1995. "Patterns of Income Inequality in North Carolina Counties, 1980." Rural Sociological Society annual meeting in Washington, DC. 17–20 August.
- Angle, John and François Nielsen. 1995. "The Inequality Process and the Kuznets Curve." American Sociological Association annual meeting in Washington, DC. 19–23 August.
- Nielsen, François and Arthur S. Alderson. 1995. "The Kuznets Curve and the Great U-Turn: Patterns of Income Inequality in United States Counties, 1970–1990." American Sociological Association annual meeting in Washington, DC. 19–23 August.
- Nielsen, François and Arthur S. Alderson. 1996. "Race Dualism and Income Inequality in Southern States." Southern Sociological Society annual meeting in Richmond, VA. 12–14 April.
- Nielsen, François and Arthur S. Alderson. 1996. "Patterns of Change in Income Inequality in United States Counties, 1970–1990." American Sociological Association annual meeting in New York, NY. August.
- Delacroix, Jacques and François Nielsen. 1997. "Protestantism and Industrial Capitalism: A Historical Empirical Inquiry." Southern Sociological Society annual meeting in New Orleans, LA. 3–6 April.
- Nielsen, François. 1997. "Cognitive Partitioning in the General Social Surveys." American Sociological Association annual meeting in Toronto, Ontario. August.
- Alderson, Arthur S. and François Nielsen. 1998. "Globalization and the U-Turn on Inequality: A Cross-National Analysis of Recent Changes in Income Inequality in 16 OECD Countries." American Sociological Association annual meeting in San Francisco, CA. August.
- Alderson, Arthur S. and François Nielsen. 2000. "Income Inequality Trends in U.S. Counties Over Four Decades: 1950–1990." Research Committee 28 (Social Stratification) of the International Sociological Association spring meeting in Libourne, France. 11–14 May.
- Alderson, Arthur S. and François Nielsen. 2001. "Globalization and the Great U-Turn: Income Inequality Trends in 16 OECD Countries." Re-Inventing Society in a Changing Global Economy conference at the University of Toronto, Ontario. 8–10 March.
- Salk, Jane E., François Nielsen, and Gary Marks. 2001. "Patterns of Cooperation Among Regional Offices in Brussels: Homophily, Complementarity, and National Embeddedness." Southern Sociological Society annual meeting in Atlanta, GA. 4–7 April.
- Alderson, Arthur S. and François Nielsen. 2001. "Globalization and the Great U-Turn: Income Inequality Trends in 16 OECD Countries." Research Committee 28 (Social Stratification) of the International Sociological Association spring meeting in Mannheim, Germany. May.

- Bradley, David, Evelyne Huber, Stephanie Moller, François Nielsen, and John Stephens. 2001. "Distributive Processes in Post-Industrial Democracies." American Political Science Association annual meeting in San Francisco, CA. 30 August–2 September.
- Moller, Stephanie, David Bradley, Evelyne Huber, François Nielsen, and John Stephens. 2001. "The State and Poverty Alleviation in Advanced Capitalist Democracies." American Sociological Association annual meeting in Anaheim, CA. 16–19 August.
- Huber, Evelyne, John D. Stephens, David Bradley, Stephanie Moller, and François Nielsen. 2002. "The Economic Position of Women and the Welfare State". 13th International Conference of Europeanists in Chicago, IL. 14–16 March.
- Nielsen, François and Jane E. Salk. 2002. "Organizational Ecology of EU Regional Representations in Brussels." Organizational Ecology Conference at the Stanford Graduate School of Business, Stanford University, Stanford, CA. 13–14 December.
- Nielsen, François. 2004. "Achievement and Ascription in Comparative Mobility Research: Genetic and Environmental Influences on Adolescent Schooling." Research Committee 28 (Social Stratification) of the International Sociological Association spring meeting in Neuchâtel, Switzerland. 7–9 May.
- Nielsen, François. 2004. "Achievement and Ascription in Adolescent Schooling: A Behavior Genetic Approach." American Sociological Association annual meeting in San Francisco, CA. August.
- Lee, Cheol-Sung, François Nielsen, and Arthur S. Alderson. 2004. "Income Inequality, Dependence, and the Role of the State." American Sociological Association annual meeting in San Francisco, CA. August.
- Alderson, Arthur S., Jason Beckfield, and François Nielsen. 2005. "Income Inequality trends in Core Societies." Future of World Society conference at the University of Zürich. Zürich, Switzerland. 23–24 June.
- Huber, Evelyne, François Nielsen, Jennifer Pribble, and John Stephens. 2006. "Politics and Inequality in Latin America and the Caribbean." American Sociological Association annual meeting in Montréal, Québec. 13 August.
- Nielsen, François and Craig Owen. 2007. "Social Inequality and Subsistence Technology: Cultural Inheritance or Internal Development?" American Sociological Association annual meeting in New York, NY. 13 August.
- Nielsen, François. 2008. "The Nature of Exploitation." American Sociological Association annual meeting in Boston, MA. 3 August.

## Other Reports

- Nielsen, François. 1980. *Hispanic Youth in U. S. Schools: A Design for Analysis*. Report to the National Center for Education Statistics, Department of Education. (162 pp.)

## Research

### Current Research Areas

**Cross-national Comparison of Income Inequality** Causes of variation in inequality of the distribution of income across nations and over time, especially in relation to economic development. From a theoretical point of view I have argued for revisiting and generalizing Kuznets's notion of sector dualism to explain the trajectory of income inequality in a society as a function of development. Methodologically I have pioneered the use of statistical models for unbalanced pooled time series of cross section data in the cross-national comparative study of income inequality. Arthur Alderson is a long time collaborator in this work. I am currently pursuing this research with a new emphasis on the roles of institutional factors (such as welfare state development) and aspects of globalization (such as immigration and Southern imports) on income inequality. Besides Alderson collaborators currently include David Bradley, Evelyne Huber, Cheol-Sung Lee, Stephanie Moller, and John Stephens. See Nielsen (1994b); Nielsen and Alderson (1995); Alderson and Nielsen (1999, 2002); Brady, Huber, Moller, Nielsen and Stephens (2003); Moller, Bradley, Huber, Nielsen and Stephens (2003).

**The Great U-Turn and Contemporary Income Inequality Trends** I was among the first sociologists to notice and analyze the upswing in income inequality that began in the US and a few other industrialized countries in the early 1970s. My research strategy has been to use census data on inequality in the distribution of family income at the county level for the 3,000 plus counties of the US in 1970, 1980, 1990, and now 2000, to sort out the causes of the inequality upswing. I am currently extending this research in collaboration with Arthur Alderson and Stephanie Moller. We have used pooled time series of cross sections models and more recently hierarchical models (census year within counties within states) to better capture institutional and political processes that take place at the state level. See Nielsen and Alderson (1997, 2001); Nielsen and Warren (1998); Moller, Alderson and Nielsen (in progress).

**Evolution of Social Stratification Systems** Using ecological-evolutionary theory developed by emeritus colleague Gerhard Lenski to explain variation in the nature of stratification systems over the full comparative range of human societies (i.e., from hunting and gathering to industrial and post-industrial societies), using macro-sociological comparative data from *Ethnographic Atlas* and *Standard Cross-Cultural Sample*. I have found evidence for *agrarian reversals*, or trends of improvement in some aspect of inequality in societies at the agrarian level, compared to societies at the horticultural level, that deviate from the monotonic trend of worsening inequality originally postulated by Lenski (Nielsen 2004a). I am currently developing a variable-based (as opposed to typology-based) version of Lenski's ecological-evolutionary theory. In related comparative-historical work Jacques Delacroix and I study the impact of Protestantism on the rise of industrial capitalism in 19th Century Europe (Delacroix and Nielsen 2001). This line of research is in part inspired by my undergraduate class *Human Societies* (socio111).

**Genetics and Socio-economic Achievement** The rapid development of human genetics has affected our understanding of a wide range of behaviors. This expanding knowledge has important implications for understanding social stratification processes. Clarification of central theoretical notions

of stratification theory and comparative social mobility research – opportunity for achievement, meritocracy, ascription, social reproduction – depends on being able to disentangle the contributions of genes, family environments, and individual life histories to individual differences in abilities and personality traits that affect socio-economic achievement. I have been learning the statistical methodology (based on structural equation models and regression techniques) used to estimate behavior-genetic models from data on twins and other relatives. I am currently studying a model of adolescent school achievement that separates genetic from environmental effects, using data on sibling pairs with different degrees of genetic relatedness (MZ twins, DZ twins, full siblings, half siblings, cousins, and unrelated pairs) (Nielsen, forthcoming (c)).

**Evolution of Human Behavior** I have a long-standing interest in the evolutionary bases of human behavior; Nielsen (1994a) is an extensive review of the field. My motive is the belief that the development of sociological theory has been hampered by the lack of a realistic model of human nature. Evolutionary theory can provide that model. My undergraduate class *Human Societies* (socio11) now incorporates a substantial component on the evolutionary bases of human nature. In Fall 2005 I taught a graduate seminar *Evolutionary Sociology* that covers the biological bases of human nature among a broad range of topics.

## Other Research Areas

**Organizational Ecology of Collective Action** Beginning with my dissertation on the rise of electoral support for the Flemish movement in Belgium in the 20th Century I have been interested in resurgences of ethnic solidarities in modern industrial societies and other forms of collective action in an organizational ecology perspective (Nielsen 1980a, 1980b, 1985, 1986b). Some of my more recent work on regional mobilization in the EU (see below) is situated within this perspective (e.g., Nielsen and Salk 1998).

**Estimation of Dynamic Models With Panel Data** Methodology for estimating regression-type models – especially dynamic models based on linear differential equations – using panel data (observations on a sample of units observed at different points in time). In graduate school I developed software for estimating fixed and random effects models with panel data used by Nielsen and Hannan (1977). (This article may be the first empirical study estimating random-effects models from panel data published in the sociological literature.) Other work in this area includes Nielsen (1980b); Nielsen and Rosenfeld (1981a, 1981b); Rosenfeld and Nielsen (1984).

**Regional Mobilization in the European Union** With Gary Marks and Jane Salk. We investigate the political and organizational mobilization of regions within the European Union (EU), as manifested by the opening of regional offices in Brussels and lobbying effort directed at EU institutions (Marks, Nielsen, Ray and Salk 1996a; Nielsen and Salk 1998).

**Computer Simulation of Income Distribution Processes** Using computer simulation to study the consequences of varying the parameters of a general model of income distribution in society. Theoretical propositions relating underlying parameters of the model to levels of inequality, social mobility

and meritocracy in human societies are derived (Nielsen 1995a); for related discussion of income inequality processes see Nielsen (forthcoming (b)).

## Fellowships & Awards

Stanford University Graduate Fellowship. 1972–1973.

NIMH Traineeship, Stanford University. 1974–1975.

PI, “Field Test Year: Hispanic Supplement of High School and Beyond.” National Center for Education Statistics, U. S. Department of Health, Education, and Welfare. 1978–1979.

Co-PI, “High School and Beyond Base Year Analysis.” National Center for Education Statistics, U. S. Department of Education. 1979–1981.

PI, “Hispanic Students and U. S. Schools: Language and Achievement.” Spencer Foundation grant. 1981–1983.

DuPont Multicultural Course Development Award. Summer 1992. (\$3,500)

PI, “Regional Mobilization in the European Economic Community.” University Research Council Award. 4 January 1993–3 January 1995. (\$2,000)

PI, “Income Inequality Trends in United States Counties, 1950–1990.” Institute for Research in Social Science Faculty Summer Research Stipend. Summer 1995. (\$4,000)

PI, “Income Inequality and Development in United States Counties, 1950–1990.” Revised proposal for \$81,635 submitted to National Science Foundation for 15 August 1993 target date. (Not funded despite high scores.)

PI, “Upgrading Odum Lab for Instructional Technology.” Chancellor’s Program on Instructional Technology Grant. October 1997–June 1998. (\$80,000)

Member (elected), Sociological Research Association. 1999.

PI, “Mechanisms of Inheritance of Social Status.” University Research Council Award. 1 December 2001–30 November 2003. (\$2,504)

PI, “Achievement & Ascription: Genetic & Environmental Influences on Adolescent Schooling.” University Research Council Award. 1 May 2004–30 April 2006. (\$2,000)

## Courses Taught

**Stanford University 1976** Introduction to European Societies

**University of Michigan (ICPSR Summer Program) 1976** Multi-Level Analysis

**McGill University 1977–1978** Introduction to Quantitative Analysis, Ecology of Ethnic Boundaries, Multi-Level Analysis, Human Ecology

**University of Chicago 1978–1981** Soc 202 Sociological Methods, Soc 251 (317) Ecology of Ethnic Boundaries, Soc 365 Principles of Human Ecology, Soc 421 Multi-Level Analysis, Soc 489 Advanced Sociological Methods

**University of North Carolina 1982–present** Soci 011 Human Societies, Soci 110 Formal Organizations and Bureaucracy, Soci 111 Social Movements and Collective Behavior, Soci 113 Social Organization in an Ecological Perspective, Soci 201 Construction of Social Theories and Models, Soci 208 Statistics for Sociologists, Soci 209 Linear Regression Models, Soci 218 A, B Human Ecology, Soci 230 Social Stratification, Soci 326a Sociobiology/Human Behavior Evolution, Soci 326a Evolutionary Sociology.

## Administrative Assignments<sup>1</sup>

Sociology Department Ph.D Part I Examination; Graduate Studies Committee; Human Subjects Committee; Placement Committee; Supervisor, Sociology 11; Admissions Committee

Sociology Department Computer Committee (Chair)

Sociology Department Publications Committee

Ph.D. Examination Committees: Advanced Methods (Chair), Social Movements and Collective Behavior (Chair), Sociology of Development (Chair), Sociology of Education, Social Stratification (Chair)

Chair, Applied Statistics Faculty Working Group (Chair 1993–1994; Co-chair 1995–1996). Institute for Research in Social Science.

Member, University Research Council. 1996–2000.

Member, Center for European Studies Advisory Committee. 1 July 1998–30 June 2009.

Member, Office of Arts and Sciences Information Services (OASIS) Faculty Advisory Committee. 1 September 2005–30 June 2007.

Member (Internal), Program Review Team, Department of Political Science. 9–11 April 2006.

## Memberships

American Sociological Association

Research Committee 28 (Social Stratification) of the International Sociological Association

Southern Sociological Society

Human Behavior & Evolution Society

Sociological Research Association

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<sup>1</sup>University of North Carolina at Chapel Hill

## Other Professional Activities

- Member, Editorial Board, *American Journal of Sociology*. 1978–1982.
- Associate Editor, *Social Forces*. 1982–present.
- Associate Editor, *American Sociological Review*. 1985–1988.
- Member, Editorial Board, *Research in Social Stratification and Mobility*. 1990–1993.
- Member, Editorial Board, *Rose Monograph Series*. 1996–.
- Reviewer for *Administrative Science Quarterly*, *American Journal of Sociology*, *American Sociological Review*, *American Political Science Review*, *Canada Council*, *Canadian Journal of Sociology and Anthropology*, *Demography*, *Ethnicity*, *Journal of Mathematical Sociology*, *National Science Foundation*, *Policy Studies Journal*, *Politics and the Life Sciences*, *Social Forces*, *Social Problems*, *Social Science Quarterly*, *Sociological Inquiry*, *Sociological Methodology*, *Sociological Methods and Research*, *Sociological Perspectives*, *Sociological Theory*, *Western Sociological Review*
- Discussant, Session on Multi-Level Analysis (organized by Alice Young). American Sociological Association annual meeting in San Francisco, CA. 1978.
- Organizer/Presider, Session on Human Ecology. American Sociological Association annual meeting in San Francisco, CA. 1978.
- Presider, Session on Mathematical Models of the Social Structure (organized by Aage Sørensen). World Congress of Sociology in Mexico City, Mexico. 1982.
- Discussant, Session on Longitudinal Data Analysis (organized by Ronald Kessler). American Sociological Association annual meeting in Detroit, MI. 1983.
- Presider/Discussant, Session on Methodology (organized by Michael Hannan). American Sociological Association annual meeting in San Antonio, TX. 1984.
- Invited presentation, “Ethnic Resurgences in Belgium: The Dual Nature of Group Competition.” International Symposium on Cultural Pluralism in Montreal, Québec. 19–20 October 1985.
- Presider, Thematic session on Linguistic Pluralism in the United States (organized by Richard Curtis). American Sociological Association annual meeting in Cincinnati, OH. 1991.
- Invited presentation, “Income Inequality and Development.” Department of Sociology, Duke University. 10 March 1992.
- Faculty Seminar (with Gary D. Gaddy), “Analysis of Pooled Time Series of Cross Sections.” Institute for Research in Social Science, University of North Carolina. 13 November 1992.
- Discussant, Interdisciplinary Seminar on Comparative Aspects of National Identity, Nationalism, and Ethnicity. Duke University. 24 March 1993.

- Invited presentation (with Arthur S. Alderson), "Income Inequality and Development: Results from an Unbalanced Cross-National Panel." Triangle Area Organizations and Stratification Seminar. Duke University. 21 January 1994.
- Invited presentation (with Jane Salk), "Subnational Regional Mobilization in the European Union: Regional Offices in Brussels." Interdisciplinary Seminar on Comparative Aspects of Identity, Nationalism, and Ethnicity. Center for International Studies, Duke University. 28 February 1994.
- Discussant, Session on Hidden Hands and Visible Humans (presided by Jeff Leiter). Southern Sociological Society annual meeting in Raleigh, NC. 7–10 April 1994.
- Organizer, Session on Sociobiology/Evolution of Behavior. American Sociological Association annual meeting in Chicago, IL. August 1999.
- Invited presentation. "Remarks on Public Sociology." North Carolina Sociological Association annual meeting in Chapel Hill, NC. 5 March 2004.
- Invited presentation. "Educational Opportunity and Genetics." Department of Sociology, University of North Carolina at Charlotte. 3 March 2006.
- Panelist, Presider and Organizer, Section on Methodology Invited Session: Approaches to Evolutionary/Genetic Analysis in Sociology. American Sociological Association annual meeting in Montréal, Québec. 13 August 2006.
- Discussant, Author-Meets-Critics Session – Giovanni Arrighi, *Adam Smith in Beijing*, (presided by Harry F. Dahms). Southern Sociological Society annual meeting in Richmond, VA. 9–12 April 2008.
- Organizer and Presider, Regular Session on Biosociology/Biosocial Interactions. American Sociological Association annual meeting in Boston, MA. 1 August 2008.
- Discussant, Author-Meets-Critics Session – Wilma A. Dunaway, *Women, Work and Family in the Antebellum Mountain South*, (presided by Bradley Nash). Southern Sociological Society annual meeting in New Orleans, LA. 1–4 April 2009.