

Ronald Demos Lee

September 28, 2017

PERSONAL INFORMATION

Date of Birth: September 5, 1941
Place of Birth: Poughkeepsie, New York
Citizenship: U.S.
Marital Status: Married, three children

EDUCATION

Reed College B.A. Philosophy, 1963
University of California, Berkeley M.A. Demography, 1967
Harvard University Ph.D. Economics, 1971
Dissertation: "Econometric Studies of Topics in Demographic History"
National Institute of Demographic Studies (INED), Paris, France, Post-Doctoral Training (1970-71)

AWARDS AND HONORS

Honorary Doctorate, honoris causa, awarded by the Université de Montréal, June 2 2017.
Laureate of the IUSSP (International Population Association), 2016
Member, American Philosophical Society, 2007-
Fellow of the American Academy of Arts and Sciences, 2005--
Honorary Doctorate, honoris causa, awarded by the Faculty of Social Sciences of Lund University, May 28, 2004
Edward G. and Nancy S. Jordan Endowed Chair in Economics, 2003--2014
Member, US National Academy of Sciences, 1992--
Fellow of the American Association for the Advancement of Science, 2004--
Taeuber Award, from the Population Association of America and Princeton University, Awarded Bi-annually for Outstanding Achievement in Demographic Research, 1999
Corresponding Fellow of the British Academy, elected July 1, 1999.

President, Population Association of America, 1987

MERIT Award, NIA/NIH (R37), 2009-2013

MERIT Award, NIA/NIH (R37), 2004-2008

MERIT Award, NIA/NIH (R37), 1994-2003

Mindel C. Sheps Award, from the Population Association of America for Outstanding Research in Mathematical Demography and Demographic Methods, 1984

Guggenheim Fellowship, 1984-85

Runner-Up for Wells Prize for Best Harvard Economics Dissertation, 1971

COMMITTEE CHAIRSHIPS

Co-Chair of the National Academy of Sciences Committee on the Long Term Macroeconomic Effects of Population Aging, 2010-2015

Chair, National Academy of Sciences Committee on Population, November 1993-December 1997

Co-chair, National Academy of Science Working Group on Population and Economic Development, 1983-85

Chair, National Academy of Sciences Working Group to Summarize Determinants of Fertility in Developing Countries, 1980-83

Chair, NIA Behavioral and Sociology of Aging Review Subcommittee (NIA-S), July 1, 1996 - June 30, 1998.

Chair, NIH Study Section on Social Sciences and Population, July 1, 1987-June 30, 1989

Chair, Economic Demography Committee of the International Union for the Scientific Study of Population, 1982-84

Chair, Program Committee, 1987 Population Association of America

Chair, Nominating Committee for PAA, 1989

Chair, Mindel C. Sheps Award Committee, of the Population Association of America, 1985 and 1979-83

PROFESSIONAL POSITIONS HELD

Professor of the Graduate School in Demography and Economics, 2014--

Professor of Demography and Economics, University of California, Berkeley, 1979-2014

Research Associate of the National Bureau of Economic Research, 2001-

Fellow of IZA (Institute for the Study of Labor/Forschungsinstitut zur Zukunft der Arbeit, 2012 -

Chair, Demography, University of California, Berkeley, 1992-1996

Founding Director, Center for the Demography and Economics of Aging, 1994-2013

Director, NICHD Training Grant in Demography, Graduate Group in Demography, University of California, Berkeley, 1983-2014.

Director, NIA Training Grant in Demography and Economics, University of California, Berkeley, 1995-2014.

Assistant to full Professor of Economics, University of Michigan, 1971-79

Director, Economic Demography Training Grant (NICHD) Department of Economics, University of Michigan, 1976-79.

Research Associate, Population Studies Center, University of Michigan, 1971-79

Post-Doctoral Research at the National Institute for Demographic Studies, Paris, 1970-71

Peace Corps Volunteer, Ethiopia, 1963-65

OTHER SERVICE AND WORK EXPERIENCE

Member of Committee for the Value of Social, Behavioral and Economic Sciences to National Priorities, National Academy of Sciences, 2017.

Co-organizer (with Andrew Mason, University of Hawaii) of Annual Global National Transfer Accounts Workshop 2004--

Member, NICHD Advisory Council (National Institute of Child Health and Human Development), 2007-2010

Member, National Advisory Council on Aging, (National Institute of Aging Council), 2001-2005

Member, Council (elected) of the International Union for the Scientific Study of Population (IUSSP), 1998-2002.

Member, Organizing Committee for the 2001 World Congress of the International Union for the Scientific Study of Population

Co-Organizer (with Alan Auerbach) of a Conference on Demography and Fiscal Policy, October 1998, University of California at Berkeley

Co-Organizer (with Cyrus Chu) of a Conference on Economic Development and the Demographic Transition in Asia, June, 1998, Taipei, Taiwan

Member, NIH Panel on Scientific Boundaries for Review, January 1998--1999

Member, Technical Advisory Panel for the Social Security Administration, 1999.

Member, Panel on Population Projections, Committee on Population, National Academy of Sciences

Member, International Advisory Board, International Encyclopedia of the Social and Behavioral Sciences

Member, Panel on Economic and Demographic Consequences of Immigration, Committee on Population, National Academy of Sciences

Member, Advisory Board for *Population Index*, 1996-98.

Member, Behavior and Sociology of Aging Review Committee of the National Institute on Aging, July 1, 1994-June 30, 1998.

Member, Board of Directors of the Population Association of America, 1988

Member, IUSSP Organizing Committee for the 1989 General Meeting

Member, Social Sciences and Population Studies Section of the National Institutes of Child Health and Human Development, 1985-89

Chair, IUSSP Committee on Economic Demography, 1981-1985.

Principal Organizer of the IUSSP Conference "Population Growth, Food and Rural Development" held in Delhi, India, December 1984

Principal Organizer of the IUSSP/IIASA Seminar on "Economic Consequences of Population Composition in Developed Countries" held at IIASA in Laxenburg, Austria, December 1983

Member, Board of Directors of the Population Association of America, 1981-84

Member, Census Advisory Committee on Population Statistics, U.S. Bureau of the Census, 1981-84

Member, Subcommittee on Population Research of the ACLS-SSRC Joint Committee on Chinese Studies, 1983-1984

Member, IUSSP Nominating Committee, 1981 World Congress

Member, Panel on Determinants of Fertility Change in Developing Countries, National Academy of Sciences, 1979-82.

Consultant, Trustees of Social Security Administration, 1979-80

Member, Panel of Consultants to the Council of Advisors to the Social Security Administration, 1978-79

Member, Ad Hoc Group of Experts on Demographic Forecasting, United Nations Population Division, Nov. 7-11, 1977

Principal Organizer of the MSSB Conference "Behavioral Models in Historical Demography," held at the Population Studies Center of the University of Pennsylvania, October 1974

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

National Academy of Sciences

American Economic Association

Population Association of America

International Union for the Scientific Study of Population

European Society for Population Economics

American Association for the Advancement of Science

American Philosophical Society

EDITORIAL SERVICE

Journal of Population Ageing, (Member of Editorial Board, 2007-)

Review of Economics of the Household (Associate Editor, 2002-)

Explorations in Economic History (Editorial Board, 1992-1997)

Journal of Population Economics (Associate Editor, 1987-)

Mathematical Population Studies (one of five editors, 1986-1996)

Journal of Development Economics (Associate Editor, 1985-1990)

University of California Press Series on Population, Associate Editor (1982-1993)

Referee for numerous journals in demography, economics, and statistics

RESEARCH GRANTS AND CONTRACTS, AND TRAINING GRANTS

Current Grants and Awards

Hewlett Foundation: Counting Women's Work, funded January 1, 2014-December 30, 2016. Ronald Lee, PI.

NIH National Institute on Aging, Research Grant (R24) on

NIH National Institute on Aging Research Grant (R37): Macroeconomic Demography of Intergenerational Transfers, 2005-2015.

NIH National Institute on Aging Training Grant: Training in the Demography and Economics of Aging, 1995-2013.

NIH National Institute on Aging Center Grant (P30): Center on the Economics and Demography of Aging, 1994-2014.

NICHD National Institute of Child Health & Human Development Training Grant: Interdisciplinary Training in Demography, 2011-2016.

Completed Research Support

UC Davis. Intergenerational Transfers and the Evolution of Aging. 2009-2011.

NICHD National Institute of Child Health & Human Development Training Grant: Interdisciplinary Training in Demography, 1984-2009.

NIA/UC Davis Program Project Grant (P01): Intergenerational Transfer and the Evolution of Aging, 2003-2008

NIH National Institute on Aging Research Grant (R03): Improving and Extending the Lee-Carter Method for Forecasting Mortality, 2004-2006

NIH National Institute on Aging K12 Career Award Program: Demography of Aging, 1999-2005 (Co-PI)

Social Security Administration: NBER Retirement Research Consortium – Stochastic Forecasts for Social Security Finances: Structural Time Series and Infinite Horizons

Social Security Administration: NBER Retirement Research Consortium - Project 7: What Can We Learn from Reforms in Europe? 2004-2005

William and Flora Hewlett Foundation Training Grant: Interdisciplinary Demographic Training in Issues in Third World Population and Policy, 2003-2005

NIA supplement to research grant (R37) for Implementing the Lee-Carter Method of Forecasting Mortality for use in the United Nation's Population Projections.

NIA Research Grant (R03) for Interage Transfers and the Role of the Elderly in Maya Subsistence Agriculture

NIA Research Grant (R37 MERIT Award): The Economic Demography of Interage Transfers; 1994-2004.

NIH National Institute on Aging MERIT Award (R37): The Economic Demography of Inter-Age Transfers, 2000-2005

The William and Flora Hewlett Foundation Training Grant: Interdisciplinary Demographic Training for Issues in Third World Population and Policy, 2000-2002.

NICHD Award for "Modeling and Forecasting Demographic Time Series" 1989-1993 (HD 24982)

Rockefeller grant for "Externalities to Childbearing," June 1988 to December 1988.

NIA Training Grant for Training in Demographic Aspects of Aging, supporting one postdoctoral fellow, July 1985 to June 1994.

NICHD Award for “Equilibrium, Growth and Fluctuation in Human Populations,” for August 1, 1983 to July 31, 1986 (HD 18107)

NICHD Award for “Age and Economic Growth: Synthesis and Extensions,” for September 1, 1980 to August 30, 1983 (HD 15020)

NICHD Award for “Desired Family Size, Contraception and Aggregate Rates,” January 1979 to December 1981 (HD 12331)

NICHD Training Grant for Economic Demography, supporting annually ten predoctoral and one postdoctoral student, for July 1976 to June 1981

NICHD Award for “Correcting Census Age Distributions: A New Technique,” for July 1979 to June 1980 (HD 14656)

Social Security Administration Contract for “The Use of Economic Theories of Fertility for Long-run Forecasting,” for June to September 1979

NICHD Award to study “Population Dynamics in Preindustrial England,” funded for May 1974 to April 1976; Competing renewal awarded for May 1976 to April 1978 (HD 08586)

Bureau of Labor Statistics Contract for “Forecasting Fertility and Female Labor Force Participation: An Evaluation of Prospects,” for 1976-77

NICHD Contract for “An Econometric Analysis of U.S. Fertility Change, 1947-1974,” for July 1974-1977 (HD 42857)

Social Science Research Council award to support the conference, Behavioral Models in Historical Demography, October 1974.

BOOKS, EDITED VOLUMES and SUBSTANTIVE REPORTS

Committee for the Value of Social, Behavioral and Economic Sciences to National Priorities (2017) *The Value of Social, Behavioral, and Economic Sciences to National Priorities: A Report for the National Science Foundation* Report of a Committee of the National Academies of Sciences (R Lee was a member).

Ronald Lee, Sang-Hyop Lee, and Andrew Mason Eds. (2016), *Demographic Dividend and Population Aging in Asia and the Pacific*, special issue of the *Journal of the Economics of Ageing* , v.8 (December)

Committee on the Long-Run Macro-Economic Effects of the Aging U.S. Population of the National Academy of Sciences, Phase II. **Co-Chaired by Ronald Lee** (2015). *The Growing Gap in Life Expectancy by Income: Implications for Government Programs and Policy Responses*. National Academy Press.

Concepcio Paxtot, **Ronald Lee**, and Andrew Mason Eds 2015. *Exploring the Generational Economy*, special issue of The Journal of the Economics of Ageing: <http://dx.doi.org/10.1016/j.jeoa.2015.04.001>.

Committee on the Long-Run Macro-Economic Effects of the Aging U.S. Population of the National Academy of Sciences, Phase I. **Co-Chaired by Ronald Lee** (2012). *Aging and the Macroeconomy: Long-Term Implications of an Older Population*. National Academy Press.

with David Reher (eds), *Demographic Transition and Its Consequences, Special Supplement to Population and Development Review*. 37 (Population Council, 2011). <http://onlinelibrary.wiley.com/doi/10.1111/padr.2011.37.issue-s1/issuetoc>

with Andrew Mason, (eds.) (2011), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar. (viewable on the IDRC website <http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=987>)

with Timothy Miller and Ryan Edwards, **The Growth and Aging of California's Population: Demographic and Fiscal Projections, Characteristics, and Service Needs**, a Special Report of California Policy Research Center, University of California, Technical Assistance Program (2003).

with Cyrus Chu, eds., **Population Change in Asia: Transition, Development, and Aging**, a supplement to v. 26 of *Population and Development Review* (2000)

with Alan Auerbach, eds., **Demographic Change and Fiscal Policy** (Cambridge University Press, 2000).

with John Casterline and Karen Foote, co-editor of **United States Fertility: New Patterns, New Theories**, special supplement to *Population and Development Review* volume 22 (December, 1996)

Senior Editor, with "Introduction," with W. Brian Arthur, Allen Kelley, Gerry Rodgers, and T.N. Srinivasan, eds. **Population, Food, and Rural Development**. (Oxford University Press, 1988)

Senior Editor, with "Introduction" and "Introduction to Labor Market Effects," with W. Brian Arthur, and Gerry Rodgers, **Economics of Changing Age Distribution in Developed Countries**, (Oxford University Press, 1988)

With D. Gale Johnson, eds., **Population Growth and Economic Development** (University of Wisconsin Press, 1987)

With Rodolfo Bulatao, eds., **Determinants of Fertility Change in Developing Countries: A Summary of Knowledge**, volumes I and II, A National Academy of Sciences Report (National Academy of Sciences Press, 1982)

and also published as **Determinants of Fertility in Developing Countries**, v.1 **Supply and Demand for Children**, v.2 **Fertility Regulation and Institutional Influences** (Academic Press, 1983), and two chapters therein.

Econometric Studies of Topics in Demographic History (New York: Arno Press, 1978)

Editor, with introduction, **Population Patterns in the Past** (New York: Academic Press, 1977)

Fluctuations in U.S. Fertility, Age Structure and Income, Final Contract Report to NICHD (August 1977)

PAPERS AND PUBLICATIONS

David McCarthy, James Sefton, Ron Lee and Joze Sambt (submitted) “Generational Wealth Accounts”.

Ronald Lee, David McCarthy, James Sefton, and Jože Sambt (forthcoming) “Full Generational Accounts: What do we give to the next generation?” *Population and Development Review*.

Ronald Lee and Yi Zhou (2017) “Does Fertility or Mortality Drive Contemporary Population Aging? The Revisionist View Revisited”, *Population and Development Review* 43(2): 285-301. DOI: 10.1111/padr.12062. ID: PADR12062

Ronald Lee and Andrew Mason (2017) “The Cost of Aging”, *Finance and Development* March, pp.7-9. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5564373>

Andrew Mason, **Ronald Lee**, Michael Abrigo, and Sang-Hyop Lee (2017) “Support Ratios and Demographic Dividends: Estimates for the World” Technical Paper, Population Division of the Department of Economic and Social Affairs, United Nations, www.unpopulation.org.

Alan J. Auerbach, Kerwin K. Charles, Courtney C. Coile, William Gale, Dana Goldman, **Ronald Lee**, Charles M. Lucas, Peter R. Orszag, Louise M. Sheiner, Bryan Tysinger, David N. Weil, Justin Wolfers and Rebeca Wong (2017) “How the Growing Gap in Life Expectancy May Affect Retirement Benefits and Reforms” *The Geneva Papers on Risk and Insurance – Issues and Practice Special Issue on Pension Financing and Insurance*. doi:10.1057/s41288-017-0057-0.

Ronald Lee (2017) “Review of National Academy of Sciences report *The Economic and Fiscal Consequences of Immigration (2016)*”, *Population and Development Review*. [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1728-4457/earlyview](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1728-4457/earlyview).

Alan Auerbach, Lorenz Kueng, **Ronald Lee** and Yuri Yatsynovich (2017) “Propagation and Smoothing of Shocks in Alternative Social Security Systems”; submitted. An earlier draft appeared in 2013 as NBER Working Paper w19137.

Ronald Lee and Andrew Mason (2017) “Some Economic Impacts of Changing Population Age Distributions—Capital, Labor and Transfers”, paper for the World Congress of the IUSSP at Cape Town, South Africa, October 29-Nov 4, 2017.

Ronald Lee and Cyrus Chu (2017) “Production and reproduction: life history strategies for females in humans and other species,” paper for the World Congress of the IUSSP at Cape Town, South Africa, October 29-Nov 4, 2017.

Ronald Lee and Miguel Sanchez-Romero (2017) “Overview of the Relationship of Heterogeneity in Life Expectancy to Pension Outcomes and Lifetime Income” paper

prepared for the 3rd Notional Defined Contribution (NDC) Pensions Conference, Rome October 5-6, 2017.

Ronald Lee and Andrew Mason (2016) “Conséquences macroéconomiques du vieillissement de la population” *REVUE D’ECONOMIE FINANCIERE* – No. 122, Special Issue on *Finance and Demography* edited by Hippolyte d'Albis, pp.83-101. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5552046>.

Ronald Lee (2016) “Macroeconomics, Aging and Growth” Chapter 2 in John Piggott and Alan Woodland, eds., *Handbook of the Economics of Population Ageing* (Elsevier), pp.59-118. Prepublication version is NBER Working Paper w22310 (June, 2016).

Andrew Mason, **Ronald Lee** and Jennifer Xue Jian (2016) “Demographic Dividends, Human Capital, and Saving” *Journal of the Economics of Aging*. [Volume 7](#), April 2016, Pages 106–122. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4918060/>

Ronald Lee, Sang-Hyop Lee, and Andrew Mason (2016) “Introduction” to *Journal of Economics of Aging* Special Issue on the *Demographic Dividend and Population Aging in Asia and the Pacific*, v.8 (December), pp.1-4.

Ronald Lee and Peter Orszag (2016) “What the Growing Inequality in Life Expectancy by Income Means for Federal Benefits for the Elderly” *Communities and Banking*, Federal Reserve Bank of Boston (Summer). On-line at <http://www.bostonfed.org/commdev/c&b/index.htm>.

Ronald Lee (2015) “Becker and the Demographic Transition” *Journal of Demographic Economics* v.81, n.1 pp.67-74.

Ronald Lee (2015) “How Population Aging Affects the Macroeconomy,” in *Revaluating Labor Market Dynamics* (a symposium sponsored by the Federal Reserve Bank of Kansas City at Jackson Hole Wyoming) published by the Federal Reserve Bank of Kansas City, pp.261-283.

Concepció Patxot, Ronald Lee, Andrew Mason (2015) “Introduction” for Special Issue on *Exploring the Generational Economy* *Journal of the Economics of Ageing*, pp. 1-6. DOI information: 10.1016/j.jeoa.2015.04.001

Joshua R. Goldstein Ronald D. Lee (2016) “How large are the effects of population aging on inequality?” *Vienna Yearbook of Population Research*, Volume 13, 2014, p.193b doi: 10.1553/populationyearbook2014s193

Andrew Mason and Ronald Lee (forthcoming) “Economic implications of Population Aging”, Chapter 12 of the *Oxford Textbook of Geriatric Medicine*.

Ronald Lee (forthcoming) “Population aging and systems of intergenerational transfers” in *Population Histories in Context: Past achievements and future directions*. Celebrating

the 50th anniversary of the founding of the Cambridge Group for the History of Population and Social Structure.

Lee, Ronald (2015) "Population aging and the changing economic life cycle: a global perspective." In Cornelius Torp (ed.) *Challenges of Aging: Retirement, Pensions, and Intergenerational Justice*. Palgrave.

Lee, Ronald and Andrew Mason (2014) "National Transfer Accounts: An Overview" *National Transfer Accounts and Generational Flows* a special issue of *Policy in Focus* n.30 (December) pp.4-5.

Ronald Lee, Andrew Mason, et al (2014) "Is Low Fertility Really a Problem? Population Aging, Dependency, and Consumption" *Science* **346**, 229-234 DOI: 10.1126/science.1250542

Ronald Lee (2014) "Comment on Yong Cai, Feng Wang, Ding Li, Xiwei Wu, Ke Shen "China's Age of Abundance: When Might it Run Out" *The Journal of the Economics of Ageing* JEAO44. DOI 10.1016/j.jeoa.2014.10.004.

Ronald Lee (2014) "Intergenerational Transfers, Social Arrangements, Life Histories, and the Elderly" in Maxine Weinstein and Meredith A. Lane, Eds., *Sociality, Hierarchy, Health: Comparative Biodemography: Papers from a Workshop* (National Academies Press, Washington, D.C.)

Ronald Lee (2014) "Macroeconomic Consequences of Population Aging in the United States: Overview of a National Academy Report" *American Economic Review: Papers and Proceedings*. 104(5): 234-39 DOI: 10.1257/aer.104.5.234

Li, Nan, Ronald Lee, and Patrick Gerland (2013) "Extending the Lee-Carter Method to Model the Rotation of Age Patterns of Mortality Decline for Long-Term Projection. *Demography*. DOI: 10.1007/s13524-013-0232-2. Published online August 1, 2013.

Andrew Mason and Ronald Lee (2013) "Labor and Consumption across the Lifecycle." *Journal of Economics of Aging*, v.1, n.1. Published on line July 26, 2013. <http://www.sciencedirect.com/science/article/pii/S2212828X13000030>

Chu, C. Y. and Ronald D. Lee. (2013) "On the Evolution of Intergenerational Division of Labor, Menopause and Transfers Among Adults and Offspring." *Journal of Theoretical Biology*. 332: 171–180. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3763024/>

Ronald Lee and Andrew Mason (2013) "Reformulating the Support Ratio to Reflect Asset Income and Transfers" paper presented at the annual meeting of the Population Association of America, April/May 2013, New Orleans.

Lee, Ronald (2012). “Macroeconomic Implications of Demographic Changes: A Global Perspective” by Ronald Lee. Discussion Paper Series 2012-E-11 of the Bank of Japan.
<http://www.imes.boj.or.jp/research/abstracts/english/12-E-11.html>

Lee, Ronald (2012) “Intergenerational transfers, the biological life cycle and human society.” *Population and Public Policy: Essays in Honor of Paul Demeny*, Supplement to *Population and Development Review* 38: 23–35. PMC ID: PMC3647612
http://popcouncil.org/pdfs/PDRSupplements/Vol38_PopPublicPolicy/Lee_pp23-35.pdf

Mason, A. S-H Lee, and R. Lee (2011) “Asian Demographic Change: Its Economic and Social Implications” written for a volume: *Emerging Asian Regionalism: Ten Years after the Crisis--A Study*. Jong-Wha Lee, Masahiro Kawai, Peter Petri, eds. Asian Development Bank.

Mason, A. S-H Lee, and R. Lee (2011) “Will Demographic Change Undermine Asia’s Growth Prospects?” in *Emerging Asian Regionalism: Ten Years after the Crisis--A Study*. Jong-Wha Lee, Masahiro Kawai, Peter Petri, eds. Asian Development Bank.

Lee, Ronald D. and C.Y. Cyrus Chu (2012) “The Evolution of Transfers and Life Histories,” *Experimental Gerontology*. PMID:22750486 PMCID:PMC3436974
<http://dx.doi.org/10.1016/j.exger.2012.06.004>

Chu, C. Y. and Ronald D. Lee. (2012) “Sexual Dimorphism and Sexual Selection: A Unified Economic Analysis,” *Theoretical Population Biology*. PMID: 22699007; PMCID: PMC3462896
<http://dx.doi.org/10.1016/j.tpb.2012.06.002>

Lee, Ronald and Andrew Mason (2012) “Population Aging, Intergenerational Transfers, and Economic Growth: Asia in a Global Context” in National Research Council of the National Academies. *Aging in Asia: Findings from New and Emerging Data Initiatives*. Panel on Policy Research and Data Needs to Meet the Challenge of Aging in Asia. J.P. Smith and M. Majmundar, Eds. Washington, DC: The National Academies Press.
http://www.nap.edu/openbook.php?record_id=13361&page=77

Lee, Ronald D. (2011) “The Outlook for Population Growth” *Science*. PMCID: PMC3155613; PMID: 2179893
<http://www.pubmedcentral.gov/articlerender.fcgi?artid=3155613>

Lee, Ronald and Gretchen Donehower (2011) “Population ageing, intergenerational transfers, and economic growth,” in *Population ageing, intergenerational transfers and social protection in Latin America and the Caribbean, Latin America in a global context*, pp. 15-29. ECLAC, Project Documents collection, UNITED NATIONS: Santiago, Chile.
http://www.nap.edu/openbook.php?record_id=13361&page=77

Mason, A. and R. Lee. (2011) "Population aging and the generational economy: Key findings." Chapter 1 in R. Lee and A. Mason (eds.), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar.

Lee, R. and A. Mason (2011) "Theoretical Aspects of National Transfer Accounts." Chapter 2 in R. Lee and A. Mason (eds.), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar. (viewable on the IDRC website <http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=987>)

Mason, A. and R. Lee. (2011) "Introducing age into national accounts." Chapter 3 in R. Lee and A. Mason (eds.), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar. (viewable on the IDRC website <http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=987>)

Lee, R., and A. Mason (2011) "Lifecycles, support systems, and generational flows: Patterns and change" Chapter 4 in R. Lee and A. Mason (eds.), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar. (viewable on the IDRC website <http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=987>)

Lee, R. and G. Donehower (2011) "Private transfers in comparative perspective" Chapter 8 in R. Lee and A. Mason (eds.), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar. (viewable on the IDRC website <http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=987>)

Lee, R., G. Donehower, and T. Miller (2011) "The changing shape of the economic lifecycle in the United States, 1970 to 2003" Chapter 15 in R. Lee and A. Mason (eds.), *Population Aging and the Generational Economy: A Global Perspective*. Edward Elgar. (viewable on the IDRC website <http://www.idrc.ca/EN/Resources/Publications/Pages/IDRCBookDetails.aspx?PublicationID=987>)

Douglas A. Wolf, Ronald D. Lee, Timothy Miller, Gretchen Donehower, Alexandre Genest. (2011) "Fiscal Externalities of Becoming a Parent" *Population and Development Review* 37(2): 241-266 (JUNE 2011). PMID: 21760651; PMCID: PMC3134288

Lee, Ronald and Andrew Mason. (2011). "The price of maturity: Aging populations mean countries have to find new ways to support their elderly." *Finance & Development*, June 2011, 48:2, pp. 6-11.

Auerbach, Alan and Ronald Lee. (2011) "Welfare and generational equity in sustainable unfunded pension systems. *Journal of Public Economics*. 95:1-2, February 2011, pp. 16-

27. PMCID: PMC3148111 PMID: 21818166

<http://www.pubmedcentral.gov/articlerender.fcgi?artid=3148111>

Lee, Ronald and Andrew Mason. (2011) "Generational Economics in a Changing World" in Ronald Lee and David Reher (eds), *Demographic Transition and Its Consequences, Special Supplement to Population and Development Review*. 37:115-142. PMCID: PMC3143474; PMID: 21804657

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3143474/>

Lee, Ronald D., and David S. Reher. 2011. "Introduction: The Landscape of Demographic Transition and Its Aftermath." In *Demographic Transition and Its Consequences*, ed. Ronald D. Lee and David S. Reher, Population and Development Review 37 (Supplement s1):1-7. New York: Population Council.

<http://onlinelibrary.wiley.com/doi/10.1111/padr.2011.37.issue-s1/issuetoc>

Lee, Ronald D., Comment on "Long-Term Effects of Early-Life Development: Evidence from the 1959-1961 China Famine", pages 345-348, 2010. Chapter in NBER Book *The Economic Consequences of Demographic Change in East Asia*, NBER-EASE Volume 19, Takatoshi Ito and Andrew Rose, editors <http://www.nber.org/chapters/c8167>

Chu, C. Y. Cyrus, Hung-Ken Chien, and Ronald Lee (2010) "The Evolutionary Theory of Time Preferences and Intergenerational Transfers." *Journal of Economic Behavior and Organization*. 76:3, December 2010, pp. 451-464. PMID: 21218165; PMCID: 3014627

Mason, A., Ronald Lee, and S-H Lee (2010) "The Demographic Transition and Economic Growth in the Pacific Rim." In Takatoshi Ito and Andrew K. Rose (eds.), *The Economic Consequences of Demographic Change in East Asia*, pp. 19-60. Chicago: University of Chicago Press.

Ronald Lee and Gretchen Donehower (2010) "Population aging, intergenerational transfers, and economic growth: Latin America in a Global Context", *Notas de población*, Issue Number 90. (in Spanish)

Lee, Ronald and Andrew Mason (2010) "Some Macroeconomic Aspects of Global Population Aging" In a special supplement to *Demography*. 47(Suppl): S151-S172. PMID: 21302431; PMCID: PMC3470908

Mason, Andrew, Ronald Lee, and Sang-Hyop Lee (2010). Population dynamics: Social security, markets, and families. In David Bloom (ed.), *Social security and the challenge of demographic change*, a special issue of *International Social Security Review*, 63:3-4, pp. 145-175.

Lee, Ronald and Andrew Mason (2010) "Fertility, Human Capital, and Economic Growth over the Demographic Transition," *European Journal of Population*. Volume 26, Number 2 / May, 2010, pp. 159-182. PMCID: PMC2860101; PMID: 20495605

Lee, Ronald, Shripad Tuljapurkar, and Ryan Edwards (2010). "Uncertain Demographic Futures and Government Budgets in the U.S." in Shripad Tuljapurkar, Naohiro Ogawa, and Anne Gauthier, eds., *Responses to Aging in Advanced Industrial States: Riding the Age Wave Volume 3*. Pp. 79-100. (International Series in Population, Springer Verlag, New York).

Lee, Ronald, Andrew Mason, and Daniel Cotlear (2010) "Some Economic Consequences of Global Aging: A Discussion Note for the World Bank." Washington, DC: Mimeo, World Bank.

Bommier, Antoine, Ronald Lee and Timothy Miller, Stephane Zuber (2010) "Who Wins and Who Loses? Public transfer accounts for US generations born 1850-2090, *Population and Development Review*, 36:1, 1-26. PMID: PMC2840408

Lee, Ronald (2010) "Population aging and the economic role of the elderly: bonanza or burden?" commentary on Coall and Hertwig "Grandparental Investment: Past, Present, and Future", *Behavioral and Brain Sciences*. 33(1) pp. 31-32.

Auerbach, Alan J. and Ronald D. Lee (2009) "Notional Defined Contribution Pension Systems in a Stochastic Context: Design and Stability" in Jeffrey Brown, Jeffrey Liebman and David Wise, editors *Social Security Policy in a Changing Environment*. University of Chicago Press. Also NBER Working Paper 12805 (January 2, 2007). *Berkeley Program in Law & Economics, Working Paper Series*. Paper 215.
<http://repositories.cdlib.org/blewp/art215>

Mason, Andrew, Sang-Hyop Lee, and Ronald Lee. (2009) "Will Demographic Change Undermine Asia's Growth Prospects" in *Emerging Asian Regionalism: Ten Years after the Crisis* Jong-Wha Lee, Masahiro Kawai, Peter Petri, eds.

Mason, Andrew, Ronald Lee, An-Chi Tung, Mun Sim Lai, and Tim Miller (2009). "Population Aging and Intergenerational Transfers: Introducing Age into National Income Accounts," *Developments in the Economics of Aging*, edited by David Wise (National Bureau of Economic Research: University of Chicago Press), pp. 89-122.

Auerbach, Alan J. and Ronald Lee (2009) "Welfare and Generational Equity in Sustainable Unfunded Pension Systems". NBER working paper, w14682 January 2009

Mason, Andrew, Sang-Hyop Lee, Ronald Lee, and Chong Bum An (2008), "Aging and Social Policy: An International Perspective," in Sang-Hyop Lee, Andrew Mason, and Kwang-Eon Sul (eds), *Social Policy at a Crossroads: Trends in Advanced Countries and Implications for Korea*, Seoul: Korea Development Institute, pp. 191-210.

Lee, Ronald (2008) "Sociality, Selection and Survival: simulated evolution of mortality with intergenerational transfers and food sharing." *PNAS*. published May 5, 2008, 10.1073/pnas.0710234105 (Social Sciences). PMID: 18458325; PMID: PMC2438215

Chu, C. Y. Cyrus and Ronald D. Lee (2008) "Menopause and the Division of Labor: An Economic Analysis" (under review)

Lee, Ronald D. 2008. "Sauvy, Alfred (1898-1990)." In S. N. Durlauf and L. E. Blume, eds. *The New Palgrave Dictionary of Economics*. Basingstoke, Hampshire; New York: Palgrave Macmillan.
http://dictionaryofeconomics.com/article?id=pde1987_X001938&goto=sauvy&result_number=3096

Ronald D. Lee. (2008) "Demographic Transition" in S. N. Durlauf and L. E. Blume, *The New Palgrave Dictionary of Economics*. Basingstoke, Hampshire; New York: Palgrave Macmillan, v. 2, pp. 433-438.

Ronald D. Lee. (2008) "Population Dynamics" in S. N. Durlauf and L. E. Blume, *The New Palgrave Dictionary of Economics*. Basingstoke, Hampshire; New York: Palgrave Macmillan, v. 6, pp. 512-516.

Lee, Ronald, Sang-Hyop Lee, and Andrew Mason (2008) "Charting the Economic Life Cycle," in *Population Aging, Human Capital Accumulation, and Productivity Growth*, Alexia Prskawetz, David E. Bloom, and Wolfgang Lutz (eds.), a supplement to *Population and Development Review*. 34(Suppl.): 208-237.

Chu, C. Y. Cyrus, Hung-Ken Chien, and Ronald D. Lee (2008) "Explaining the Optimality of U-Shaped Age-Specific Mortality," *Theoretical Population Biology* 73:2 (March 2008), 171-180. PMID: 18178233; PMCID: 2291574; doi:10.1016/j.tpb.2007.11.005

Robinson, Rachel Sullivan, Ronald Lee and Karen Kramer (2008) "Counting Women's Labor: A Reanalysis of Children's Net Production in Mead Cain's Bangladeshi Village" *Population Studies*, 62:1, 25-38. PMID: 18278671; PMCID: PMC2775512; NIHMSID: NIHMS84614

Mason, Andrew and Ronald Lee, 2007. "Transfers, Capital, and Consumption over the Demographic Transition," In *Population Aging, Intergenerational Transfers and the Macroeconomy*, Robert Clark, Naohiro Ogawa, and Andrew Mason (eds) Cheltenham, UK: Edward Elgar 128-162.

Lee, Ronald and Carl Boe (2007) "Intergenerational Transfers, Life Histories and the Evolution of Sociality," paper prepared for Workshop on Sociality and Longevity, Azores, June 2007. }link

Ronald Lee and Andrew Mason, 2007. "Population Aging, Wealth, and Economic Growth: Demographic Dividends and Public Policy" Background Paper for the World Economic and Social Survey, Department of Economic and Social Affairs, United Nations.

http://www.un.org/esa/policy/wess/wess2007files/backgroundpapers/popaging_lee_mason.pdf

Lee, Ronald (2007) "Demographic Change, Welfare, and Intergenerational Transfers: A Global Overview," in Veron, Jacques, Sophie Pennec, and Jacques Legare (eds.) *Ages, Generations and the Social Contract: The Demographic Challenges Facing the Welfare State*. Springer, pp. 17-43.

Lee, Ronald (2007) *Global Population Aging and its Economic Consequences*, Washington, D.C.: The AEI Press, American Enterprise Institute. 45p.

Ronald Lee and Andrew Mason (2006) "What is the Demographic Dividend?" *Finance and Development* (September) 16-17.

Lee, Ronald (2006) "Mortality Forecasts and Linear Life Expectancy Trends" in Bengtsson, Tommy (ed.) *Perspectives on Mortality Forecasting. III. The Linear Rise in Life Expectancy: History and Prospects. Social Insurance Studies. No. 3*. Försäkringskassan, Swedish Social Insurance Agency, Stockholm, 2006, pp. 19-39. forsakringskassan.se/filer/publikationer/pdf/sis_3.pdf

Lee, Ronald and Richard H. Steckel (2006) "Life under Pressure: An Appreciation and Appraisal (review of "Life under Pressure: Mortality and Living Standards in Europe and Asia, 1700-1900, T. Bengtsson, C. Campbell, J. Z. Lee, et al., eds.). *Historical Methods*, 39:4, Fall 2006, pp. 171-6.

Lee, Ronald. (2006) "Discussion of 'The Rate of Return of Pay As You Go Pension Systems: A More Exact Consumption-Loan Model of Interest'" (Chapter 7 of this volume, by Ole Settergren and Boguslaw D. Mikula) in Holzmann, Robert and Edward Palmer (eds.) *Pension Reform: Issues and Prospects for Non-Financial Defined Contribution (NDC) Schemes*. World Bank, 2006, pp. 143-147.

Chu, C.Y. and Ronald Lee (2006) "The co-evolution of intergenerational transfers and longevity: an optimal life history approach. *Theoretical Population Biology*. Volume 69. Issue 2. March 2006. Pp. 193-201. PMID: 16406044; PMCID: 1513193 <http://www.pubmedcentral.nih.gov/articlerender.fcgi?tool=pmcentrez&artid=1513193> doi: 10.1016/j.tpb.2005.11.004 <http://authors.elsevier.com/sd/article/S0040580905001486>

Mason, Andrew and Ronald Lee (2006) "Reform and support systems for the elderly in developing countries: capturing the second demographic dividend." *Genus* (vol. LXII(2): 11-35.

Lee, Ronald and Michael Anderson. "Stochastic Infinite Horizon Forecasts for US Social Security Finances." *National Institute Economic Review*, No. 194. October 2005, pp. 4-15.

Li, Nan and Ronald Lee "Coherent mortality forecasts for a group of populations: An extension of the Lee-Carter method," *Demography*. 42:3, August 2005, pp 575-594. PMID: 16235614; PMCID: PMC1356525; NIHMSID: NIHMS3338 <http://www.pubmedcentral.gov/articlerender.fcgi?artid=1356525>

Ronald Lee (2004) "Quantifying Our Ignorance: Stochastic Forecasts of Population and Public Budgets," Linda J. Waite, ed., a special supplement to v. 30 of the *Population and Development Review*, pp.153-176.

Ronald Lee (2004) "How Fitness Impacts and Tradeoff Costs Shape the Optimal Life History," prepared for a Workshop at Duke (March 11-13, 2004) and presented at the Annual Meeting of the Population Association of America in Boston, April 2004.

Ronald Lee (2004) "Perspectives on Transfers to Children," paper prepared for a Conference on Cross-National Comparisons of Expenditures on Children, held at Princeton, January 7-9, 2004.

Ronald Lee, Timothy Miller and Michael Anderson (2004) "Stochastic Infinite Horizon Forecasts for Social Security and Related Studies," National Bureau of Economic Research Working Paper No. 10917 (<http://papers.nber.org/papers/w10917.pdf>).

Tuljapurkar, Shripad, Ronald Lee, and Qi Li (2004) "Random Scenario Forecasts versus Stochastic Forecasts," *International Statistical Review* 72:2:185-199.

Ronald Lee (2004) "Reflections on Inverse Projection: Its Origins, Development, Extensions, and Relation to Forecasting," in J. Vaupel, E. Barbi, S. Bertino, E. Sonnio, eds., *Inverse Projection Techniques: Old and New Approaches*, from *Demographic Research Monographs*, a series of the Max Planck Institute for Demographic Research, J. Vaupel, Editor-in-Chief (Springer-Verlag-Berlin), pp. 1-9

Nan Li, Ronald Lee and Shripad Tuljapurkar (2004) "Using the Lee-Carter Method to Forecast Mortality for Populations with Limited Data," *International Statistical Review* 72:1:19-36.

Keyfitz, Nathan and Ronald Lee (2004) "Demography," in Adam Kuper and Jessica Kuper, eds., *Social Science Encyclopedia*, Third Edition, (New York: Routledge), pp. 219-223.

Ronald Lee, Andrew Mason and Timothy Miller (2003) "Saving, Wealth, and the Transition from Transfers to Individual Responsibility: The Cases of Taiwan and the United States," *The Scandinavian Journal of Economics*, v. 105, No. 3, pp.339-357.

Ronald Lee "Rethinking the Evolutionary Theory of Aging: Transfers, not Births, Shape Senescence in Social Species," *Proceedings of the National Academy of Sciences* v.100, n. 16 (August 5, 2003), pp.9637-9642. PMID: 12878733; PMCID: PMC170970

Jie Zhang, Junsen Zhang and Ronald Lee (2003) "Rising longevity, education, savings, and growth," *Journal of Development Economics* 70:83-101.

Antoine Bommier and Ronald Lee (2003) "Overlapping Generations Models with Realistic Demography," *Journal of Population Economics* 16:1:135-160.

Ronald Lee, Timothy Miller, and Ryan Douglas Edwards (2003) *A Special Report: The Growth and Aging of California's Population: Demographic and Fiscal Projections, Characteristics and Service Needs*, California Policy Research Center, Technical Assistance Program, University of California.

Ronald Lee, Michael Anderson, and Shripad Tuljapurkar (2003) "Stochastic Forecasts of the Social Security Trust Fund," a report for the Social Security Administration, January 31, 2003.

Ronald Lee (2003) "Age Structure and Dependency," in *Encyclopedia of Population*, Paul Demeny, Geoffrey McNicoll, eds. (New York: Macmillan Reference USA), pp. 24-28.

Ronald Lee (2003) "Interage Transfers," in *Encyclopedia of Population*, Paul Demeny, Geoffrey McNicoll, eds. (New York: Macmillan Reference USA), pp. 542-545.

Ronald Lee and Hisashi Yamagata (2003) "Sustainable Social Security: What Would It Cost?" *National Tax Journal*, v. 56, n. 1, part 1, pp. 27-43.

Ronald Lee and Joshua Goldstein (2003) "Rescaling the Life Cycle: Longevity and Proportionality," *Life Span: Evolutionary, Ecological, and Demographic Perspectives*, a supplement to *Population and Development Review* v. 29, pp. 183-207.

Ronald Lee. (2003) "Demographic Change, Welfare, and Intergenerational Transfers: A Global Overview," *Genus* v.LIX, no. 3-4 (July-December), pp.43-70.

Ronald Lee (2003) "The Demographic Transition: Three Centuries of Fundamental Change," *Journal of Economic Perspectives* v. 17, n. 4 (Fall), pp. 167-190.

Ronald Lee and Timothy Miller (2002) "An Approach to Forecasting Health Expenditures, with Application to the US Medicare System," *Health Services Research*, v. 37, n. 5, pp. 1365-1386 (October 2002).

Ronald Lee and Karen Kramer (2002) "Children's Economic Roles in the Context of the Maya Family Life Cycle: Cain, Caldwell, and Chayanov Revisited," *Population and Development Review*, 28 (3):475-499 (September 2002).

Lee, Ronald, Hillard Kaplan, and Karen L. Kramer (2002) "Children and Elderly in the Economic Life Cycle of the Household: A Comparative Study of Three Groups of Horticulturalists and Hunter-Gatherers," paper prepared for the Annual Meeting of the Population Association of America, May 9-11, 2002 in Atlanta, Georgia.

Ronald Lee (2002) "Mortality Forecasts and Linear Life Expectancy Trends," paper prepared for a meeting on mortality forecasts, for the Swedish National Insurance Board, Lund, Sweden, September 4, 2002.

Ronald Lee and Ryan Edwards (2002) "The Fiscal Effects of Population Aging in the US: Assessing the Uncertainties," James M. Poterba, ed., *Tax Policy and Economy* v.16 (NBER: MIT Press, 2002) pp. 141-181.

Ronald Lee, and John Haaga (2002) "Government Spending in an Older America," *Reports on America*, Population Reference Bureau, Washington, D.C. v.3, n.1, pp. 1-16.

Ronald Lee and Michael Anderson (2002) "Malthus in State Space: Macro Economic-Demographic Relations in English History," *Journal of Population Economics*, v.15, n.2, pp. 195-220.

Ronald Lee, Andrew Mason and Timothy Miller (2002) "Saving, Wealth, and the Demographic Transition in East Asia," in Andrew Mason, ed., *Population Change and Economic Development in East Asia: Challenges Met, Opportunities Seized*, East-West Center Series on Contemporary Issues in Asia and the Pacific, Stanford: Stanford University Press, pp.155-184.

Ronald Lee and Ryan Edwards (2001) "The Fiscal Impact of Population Change," in Jane Sneddon Little and Robert K. Triest, eds., *Seismic Shifts: The Economic Impact of Demographic Change*. Federal Reserve Bank of Boston Conference Series No. 46, pp. 220-237.

Ronald Lee, Andrew Mason, and Tim Miller (2001) "Saving, Wealth, and Population," in Nancy Birdsall, Allen C. Kelley and Steven W. Sinding, eds., *Population Matters: Demography, Poverty, and Economic Growth*, Oxford: Oxford University Press, pp. 137-164.

Ronald Lee and Timothy Miller (2001) "Evaluating the Performance of the Lee-Carter Approach to Modeling and Forecasting Mortality" *Demography*, v.38, n.4 (November 2001), pp. 537-549.

Ronald Lee (2001) "Predicting Human Longevity," a letter to *Science*, v.292 (June 1) pp. 1654-1655, (in Letters).

Ronald Lee (2001) "Immigration: its consequences for fiscal developments in the receiving population," in Neil J. Smelser and Paul B. Baltes, editors, *International Encyclopedia of the Social and Behavioral Sciences*, v.11, pp. 7216-7220, Elsevier Science Ltd., Oxford, U.K.

Ronald Lee (2001) "Externalities to Childbearing," in Neil J. Smelser and Paul B. Baltes, editors, *International Encyclopedia of the Social and Behavioral Sciences*, v.3, pp. 1686-1689, Elsevier Science Ltd., Oxford, U.K.

Ronald Lee and Valentine Villa (2001) "Population Aging in California," working paper of the California Policy Research Center, University of California.

Jie Zhang, Junsen Zhang, and Ronald Lee (2001) "Mortality Decline and Long Run Economic Growth," *Journal of Public Economics*, v.80, n.3 (June), pp. 485-507.

Ronald Lee (2000) "Minorities and Social Security: The Paradox of Demography versus Redistribution," manuscript.

Ronald Lee (2000) "A Cross-Cultural Perspective on Intergenerational Transfers and the Economic Life Cycle," in Andrew Mason and Georges Tapinos, eds., *Sharing the Wealth: Demographic Change and Economic Transfers between Generations* (Oxford University Press, Oxford), pp.17-56.

Ronald Lee and Cyrus Chu (2000) "Introduction" in Cyrus Chu and Ronald Lee editors, *Population and Economic Change in East Asia*, a supplement to v.26 of *Population and Development Review*, pp.1-8.

Ronald Lee, Andrew Mason, and Timothy Miller (2000) "Life Cycle Saving and the Demographic Transition: The Case of Taiwan," Cyrus Chu and Ronald Lee, eds., *Population Change in East Asia, Transition*, a supplement to v.26 of *Population and Development Review*, Population Council, New York, NY, pp.194-222.

Ronald Lee and Timothy Miller (2000) "Immigration, Social Security, and Broader Fiscal Impacts" *American Economic Review: Papers and Proceedings* (May) v.90 n.2, pp.350-354.

Ronald Lee (2000) "Long-Term Projections and the US Social Security System," *Population and Development Review* v.26 n.1 (March) pp.137-143.

Ronald Lee (2000) "The Lee-Carter Method for Forecasting Mortality, with Various Extensions and Applications" *North American Actuarial Journal* v.4, n.1 (January) pp.80-93.

Shripad Tuljapurkar and Ronald Lee (2000) "Demographic Uncertainty and the OASDI Fund," Andrew Mason and Georges Tapinos, eds. *Intergenerational Economic Relations and Demographic Change*, Oxford: Oxford University Press.

Ronald Lee and Shripad Tuljapurkar (2000) "Population Forecasting for Fiscal Planning: Issues and Innovations" in Alan Auerbach and Ronald Lee, eds., *Demography and Fiscal Policy*, Cambridge: Cambridge University Press.

Ronald Lee (2000) drafted Chapter 7 "The Uncertainty of Population Forecasts" in a National Academy of Sciences report *Beyond Six Billion* (National Academy Press, Washington D.C.) pp.188-217. The report is the product of the work of the whole panel, and there is no individually assigned authorship of any part. The report was edited by John Bongaarts and Rodolfo Bulatao.

Ronald Lee, Andrew Mason and Timothy Miller (2000) "From Transfers to Individual Responsibility: Implications for Savings and Capital Accumulation in Taiwan and the US," paper presented at the annual meetings of the PAA in Los Angeles.

Antoine Bommier and Ronald Lee (2000) "Transfers, Life Cycle Planning and Capital Stocks," paper presented at the pre-PAA Economic Demography meetings in Los Angeles.

Bruce M. Alberts, Francisco J. Ayala, David Botstein, Ellen Frank, Edward W. Holmes, Ronald D. Lee, Eduardo R. Macagno, Philippa Marrack, Suzanne Oparil, Stuart H. Orkin, Arthur H. Rubenstein, Carolyn W. Slayman, P., Frederick Sparling, Larry R. Squire, Peter H. von Hippel, and Keith R. Yamamoto (1999) "Grant Review Process. Proposed Changes for NIH's Center for Scientific Review," *Science* 1999 July 30; 285: 666-667. (in Policy Forum) (This article summarizes the product of two years of meetings in Washington, telephone conferences, and so on.).

Ronald Lee (1999) "Probabilistic Approaches to Population Forecasting," in Wolfgang Lutz, James Vaupel and Dennis Ahlburg, eds, supplement to v. 24 of *Population and Development Review*, 1999 *Rethinking Population Projections*, pp.156-190.

Shripad Tuljapurkar and Ronald Lee (1999) "Population Forecasts, Public Policy, and Risk" *Bulletin of the International Statistical Institute, Proceedings*, 52nd annual meeting, ISI, Helsinki, August 1999.

Ronald Lee and Jonathan Skinner (1999) "Will Aging Baby Boomers Bust the Federal Budget? Longevity, Health Status, and Medical Costs in the Next Century" *Journal of Economic Perspectives* v.13 n.1 (Winter) pp.117-140.

Ronald Lee (1999) drafted portions of: 1999 Technical Panel on Assumptions and Methods, *Report to the Social Security Advisory Board* (Nov., 1999) on "Mortality," pp.64-67, and on "The Uncertainty of Long-Term Forecasts," pp.70-77; the final report was, of course, authored by the Panel as a whole.

Ronald Lee and Shripad Tuljapurkar (1998) "Stochastic Forecasts for Social Security," in David Wise, ed., *Frontiers in the Economics of Aging*. Chicago: University of Chicago Press, pp. 393-420.

Ronald Lee and Shripad Tuljapurkar (1998) "Uncertain Demographic Futures and Social Security Finances" *American Economic Review: Papers and Proceedings* (May) pp. 237-241.

Patrick Galloway, Ronald Lee, and Eugene Hammel (1998), "Urban versus rural: fertility decline in the cities and rural districts of Prussia, 1875 to 1910" *European Journal of Population* v.14, pp.209-264.

Patrick Galloway, Ronald Lee, and E.A. Hammel (1998) "Secular Marital Fertility Decline and Infant Mortality: A Reassessment of the European Macro Evidence," in Barney Cohen and Mark Montgomery, eds., *From Death to Birth: Mortality Decline and Reproductive Change* (National Academy Press), pp. 182-226.

Ronald Lee and Timothy Miller (1998) "The Current Fiscal Impact of Immigrants: Beyond the Immigrant Household," in James Smith and Barry Edmonston, eds., *The Immigration Debate* (National Academy Press) pp.183-205.

Ronald Lee, Shripad Tuljapurkar, and Ryan Edwards (1998) "Uncertain Demographic Futures and Government Budgets in the US," unpublished manuscript of the Department of Demography, University of California at Berkeley; presented at the 1998 Annual Meetings of the Population Association of America, Chicago.

Ronald Lee (1997) "Population Dynamics: Equilibrium, Disequilibrium, and Consequences of Fluctuations," Chapter 19 in Mark Rosenzweig and Oded Stark, eds., *Handbook of Population and Family Economics*, v.1B (North Holland, 1997), pp.1063-1115.

Ronald Lee (1997) "Intergenerational Relations and the Elderly," in Kenneth W. Wachter and Caleb E. Finch, eds. *Between Zeus and the Salmon: The Biodemography of Longevity* (National Academy of Sciences Press), pp.212-233.

Ronald Lee and Timothy Miller (1997) "The Life Time Fiscal Impacts of Immigrants and Their Descendants" Project on the Economic Demography of Intergenerational Income Reallocation, Demography, UC Berkeley. Draft of Chapter 7 for *The New Americans*, a report of the National Academy of Sciences Panel on Economic and Demographic Consequences of Immigration, National Academy Press, 1997 (pp.297-362).

Ronald Lee and Shripad Tuljapurkar (1997) "Death and Taxes: How Longer Life Will Affect Social Security," *Demography* v.34, n.1 (February) pp.67-82.

Shripad Tuljapurkar and Ronald Lee (1997) "Demographic Uncertainty and the Stable Equivalent Population," *Mathematical and Computer Modeling* (special issue on Demography) v.26, n.6 pp.39-56.

Ronald Lee (1997) "History of Demography in the U.S. Since 1945," in Jean-Claude Chasteland and Louis Roussel, eds., *Les Contours de la Demographie au seuil du XXIe Siecle* (Institut National d'Etudes Demographiques, Presses Universitaires de France), pp.31-56.

Ronald Lee and Jonathan Skinner (1996) "Assessing Forecasts of Mortality, Health Status, and Health Costs During Baby-Boomers' Retirement," in C. Citro ed., *Assessing Knowledge of Retirement Behavior* (Washington DC: National Academy of Sciences), pp.195-243.

Ronald Lee (1996) "Una Perspectiva Transcultural de las Transferencias Intergeneracionales," *Notas de Poblacion - Pensamiento Iberoamericano* (March/April). (Spanish translation of English paper published in IUSSP volume).

Ronald Lee and John Casterline (1996) "Introduction" to Fertility in the United States: New Patterns, New Theories *Population and Development Review: A Supplement to Volume 22*, pp.1-18.

Ronald Lee, Lawrence Carter, and Shripad Tuljapurkar (1995) "Disaggregation in Population Forecasting: Do We Need It? and How To Do It Simply" *Mathematical Population Studies* v.5, n.3, pp.217-234.

Shripad Tuljapurkar and Ronald Lee, (1995) Comment on "Inference from a deterministic population dynamics model for bowhead whales," by A. Raftery, G. Givens and J. Zeh, *Journal of the American Statistical Association*, v.90, n.430 (June) pp.337-338.

Ronald Lee and Timothy Miller (1995) "Interage Resource Flows in the US: A Descriptive Account" paper presented at the 1995 annual meetings of the Population Association of America, in San Francisco.

Ronald Lee and Shripad Tuljapurkar (1994) "Stochastic Population Projections for the U.S.: Beyond High, Medium and Low," *Journal of the American Statistical Association*, v.89, n.428 (December) pp.1175-1189.

Ronald Lee, Patrick Galloway and Eugene A. Hammel (1994) "Fertility Decline in Prussia: Estimating Influences on Supply, Demand and Degree of Control," *Demography* v.31, n.2 (May 1994) pp.339-373.

Ronald Lee (1994) "The Role of Fertility in Maintaining Population Equilibrium," in Kenneth Campbell and James Wood, eds., *Reproductive Ecology: Interactions of Environment, Fertility, and Behavior*, a special issue of *Annals of the New York Academy of Sciences*, v. 709 (1994), pp.396-407.

Patrick R. Galloway, Eugene A. Hammel, and Ronald Lee (1994) "Fertility Decline in Prussia: A Pooled Cross-Section Time-Series Analysis, 1875-1910," *Population Studies* v.48 n.1 (March 1994) pp.135-158.

Ronald Lee (1994) "Fertility, Mortality and Intergenerational Transfers: Comparisons Across Steady States," in John Ermisch and Naohiro Ogawa, eds., *The Family, the Market and the State in Ageing Societies* (Oxford University Press, 1994), pp.135-157.

Ronald Lee (1994) "The Formal Demography of Population Aging, Transfers, and the Economic Life Cycle," in Linda Martin and Samuel Preston, eds., *The Demography of Aging* (National Academy Press, 1994) pp.8-49.

Ronald Lee (1994) "Population Age Structure, Intergenerational Transfers, and Wealth: A New Approach, with Applications to the U.S.," with the assistance of Timothy Miller (1994) in *Journal of Human Resources* v.XXIX, n.4, (Fall, 1994) special issue edited by Paul Gertler on *The Family and Intergenerational Relations*, pp.1027-1063.

C.Y. Cyrus Chu and Ronald Lee (1994) "Famine, Revolt, and the Dynastic Cycle: Population Dynamics in Historic China," *Journal of Population Economics* v.7 n.4 pp.351-378.

Ronald Lee and Rafael Rofman (1994) "Modelacion y Proyeccion de la Mortalidad en Chile" in *NOTAS de Poblacion*, v.XXII, No. 59 (Junio), pp.183-213. (Translated into Spanish from the otherwise unpublished manuscript "Modeling and Forecasting Mortality in Chile").

Ronald Lee (1993) "Modeling and Forecasting the Time Series of US Fertility: Age Patterns, Range, and Ultimate Level," *International Journal of Forecasting* v.9, pp.187-202.

Ronald Lee (1993) "Inverse Projection and Demographic Fluctuations: A Critical Assessment of New Methods," in David Reher and Roger Schofield, eds, *Old and New Methods in Historical Demography*, Oxford University Press pp.7-28.

Ronald Lee (1993) editor, with Introduction, of Chapter 27 "Economics and Population Research" in Donald J. Bogue, Eduardo Arriaga, and Douglas Anderton, project editors, *Readings in Population Research Methodology* (Social Development Center, Chicago for UNFPA).

Ronald Lee (1993) "Accidental and Systematic Change in Population History: Homeostasis in a Stochastic Setting," *Explorations in Economic History* v.30, n.1 (January 1993) pp.1-30.

Ronald Lee (1993) "Population" in David Henderson, ed., *The Fortune Encyclopedia of Economics* (Warner Books, New York, 1993) pp.51-55.

Ronald Lee (1992) "Modeling and Forecasting Canadian Mortality: An Application of the Lee-Carter Approach, with Extensions," Report to Statistics Canada, November 1992. Revised version presented, with Francois Nault as co-author, at World Congress of the IUSSP, Montreal, August 1993.

Ronald Lee (1992) "Croissance Demographique, Progres et Pauvrete," in a festschrift in honor of Alfred Sauvy, a special issue of *Population* no.6 (1992), pp.1533-1554. "Population, Poverty and Progress," is an English language version of the paper listed above.

Lawrence Carter and Ronald Lee (1992) "Modeling and Forecasting U.S. Mortality: Differentials in Life Expectancy by Sex," in Dennis Ahlburg and Kenneth Land, eds.,

Population Forecasting, a special issue of *International Journal of Forecasting*, v.8, n.3 (November 1992), pp.393-412.

Ronald Lee (1992) "Stochastic Demographic Forecasting," in Dennis Ahlburg and Kenneth Land, eds., *Population Forecasting*, a special issue of *International Journal of Forecasting*, v.8, n.3 (November, 1992), pp. 315-328.

Ronald Lee and Lawrence Carter (1992) "Modeling and Forecasting U.S. Mortality," *Journal of the American Statistical Association* v.87 n.419 (September 1992), pp.659-671, and "Rejoinder," same issue, pp.674-675.

Ronald Lee (1992) "Population and Economic Development," *UNESCO Courier* n.223 (March 1992) pp.12-14.

Ronald Lee (1992) "L'autoregulation de la population: systemes malthusiens en environnement stochastique," in Didier Blanchet, Alain Blume and Noel Bonneuil, eds., *Modeles de la demographie historique* (Institut National d'Etudes Demographique, Presses Universitaires de France, 1992), pp.149-174.

Ronald Lee (1991) "Population Aging and Its Social and Economic Consequences," a series of lectures presented at the Population Research Institute of Peking University, Beijing, China, October 1991; Working Paper No. 32 of the Department of Demography, University of California, Berkeley.

Ronald Lee (1991) "Evaluating Externalities to Childbearing in Developing Countries: The Case of India," *Consequences of Rapid Population Growth in Developing Countries*, Taylor and Francis (1991); in this publication the article is on pp. 297-342.

Ronald Lee (1991) "L'Evaluation des Externalities Liees a l'Enfant dans les Pays en Developpement: le Cas de l'Inde," Chapitre 11 in G. Tapinos, D. Blanchet and D.E. Horlacher, eds., *Consequences de la Croissance Demographique Rapide dans les Pays en Developpement*, Congres et Colloques n.5, Institut National d'Etudes Demographiques, Ronald Lee (1991) Revised and translated version of "Evaluating Externalities to Childbearing..." pp.285-327, listed above.

Ronald Lee and Timothy Miller (1990) "Population Growth, Externalities to Childbearing, and Fertility Policy in the Third World," *Proceedings of the World Bank Annual Conference on Development Economics, 1990*, supplement to *The World Bank Economic Review* and to *The World Bank Research Observer*, pp.275-304.

Ronald Lee (1990) "The Demographic Response to Economic Crisis in Historical and Contemporary Populations," *Population Bulletin of the United Nations*, n.20, pp. 1-15.

Ronald Lee (1990) "Longrun Global Population Forecasts: A Critical Appraisal," in Kinglsey Davis and Michail Bernstam, eds., *Resources, Environment, and Population: Present Knowledge, Future Options*, a Supplement to v.16, *Population and Development Review*, 1990, pp.44-71.

Ronald Lee (1990) "Comment: The Second Tragedy of the Commons," in Kinglsey Davis and Michail Bernstam, eds., *Resources, Environment, and Population: Present Knowledge, Future Options*, a Supplement to v.16, *Population and Development Review*, 1990, pp.315-322.

Ronald Lee (1990) "Population Policy and Externalities to Childbearing," *Annals of the American Academy of Political and Social Science*, special issue edited by Samuel Preston *World Population: Approaching the Year 2000* (July 1990), pp. 17-32.

Kenneth W. Wachter and Ronald Lee (1989) "U.S. Births and Cyclic Models: A Re-examination," *Demography*, v.26, n.1 (February 1989), pp. 99-116.

Ronald Lee and Shelley Lapkoff (1988) "Intergenerational Flows of Time and Goods, and Consequences of Slowing Population Growth," *Journal of Political Economy*, v.96, n.3 (June 1988) pp. 618-651.

Ronald Lee (1988) "Induced Population Growth and Induced Technological Progress: Their Interaction in the Accelerating Phase," *Mathematical Population Studies*, v.1, n.3, pp. 265-288.

Ronald Lee (1987) "Population Dynamics of Humans and Other Animals", Presidential Address to the Population Association of America, *Demography* v.24, n.4 (Nov. 1987). pp. 443-466.

Ronald Lee (1987) entries on "Population Cycles" (5000 words) and "Alfred Sauvy" (500 words) in *The New Palgrave; A Dictionary of Economic Theory and Doctrine*, John Eatwell, Murray Milgate and Peter Newman, eds. MacMillan Press, 1987.

Ronald Lee (1986) "Three Topics in the Demography of the Third World from a Socio-Economic Perspective", paper presented at the 25th Anniversary Celebration of the Population Studies Center of the University of Michigan, June 1986.

Ronald Lee (1986) "Comment" on T. Paul Schultz, "The Cost of Time and Fertility below Replacement," *Population and Development Review*, special supplement to v.12 (1986), pp. 108-110.

Ronald Lee (1986) Malthus and Boserup: A Dynamic Synthesis," in David Coleman and Roger Schofield, eds., *The State of Population Theory*, (Basil Blackwell 1986). pp. 96-130.

Lawrence Carter and Ronald Lee (1986) "Joint Forecasts of U.S. Marital Fertility, Nuptiality, Births and Marriages Using Time Series Models," *Journal of the American Statistical Association*, 1986.

D. Gale Johnson and Ronald Lee, eds. (1986) *Population Growth and Economic Development: Issues and Evidence*, (Academic Press).

Working Group on Population Growth and Economic Development (co-chaired by D. Gale Johnson and Ronald Lee), National Research Council (1986). *Population Growth and Economic Development: Policy Questions*, (National Academy Press, Washington D.C.).

Ronald Lee (1985) "Population Growth and Intergenerational Transfers in a Household Setting," working paper number 20 of the Graduate Group in Demography, University of California, Berkeley, California, 1985.

Ronald Lee (1985) entries on "Baby Boom," "Baby Bust," "Easterlin Hypothesis," "Marriage Squeeze," "Time Series Analysis," in Chris Wilson, ed., *Dictionary of Demography* (Basil Blackwell, 1985).

Ronald Lee (1985) "Population Homeostasis and English Demographic History," *Journal of Interdisciplinary History*, XV:4 (Spring 1985), 635-660.

Ronald Lee (1985) "Inverse Projection and Back Projection: Comparative Results and Sensitivity Tests for England," *Population Studies*, (July, 1985) pp. 233-248.

Ronald Lee (1985) Review of The World Bank's World Development Report: 1984, in *Population and Development Review*, v.11, n.1 (March, 1985) pp. 127-130.

Ronald Lee (1983)"Age and Economic Growth: Synthesis and Extensions," final grant report for NICHD, August 1983.

Ronald Lee (1983)"Age Distribution Adjustments for English Censuses 1821-1931," first author with David Lam, *Population Studies* 37, pp. 445-464.

Ronald Lee (1983)"Economic Consequences of Population Size, Structure and Growth," *Newsletter of the IUSSP*, n. 17 (January 1983), pp. 43-59.

Ronald Lee "Overview of Determinants of Fertility in Developing Countries," with R. Bulatao, Chapter 21 (pp. 757-787), in Bulatao and Lee, v.2, cited above. This article has been translated and published in Spanish.

Ronald Lee "The Demand for Children: A Critical Essay," with R. Bulatao, Chapter 8 (pp. 233-287) in Bulatao and Lee, v. 1, cited above.

Ronald Lee (1982) Review of T. Paul Schultz, *Economics of Population* in *Population and Development Review*, v.8, n.4 (Dec., 1982).

Ronald Lee (1982) "Correcting Census Age Distributions: Extensions of the Demeny-Shorter Method," Final Grant Report to NICHD and Working Paper number 6 of the Program in Population Research, University of California, Berkeley, California, February, 1982.

Ronald Lee (1982) "Current Issues in Economic Demography: An Overview," Chapter 2 in Robert Schoen and David Landman, eds., *Population: Theory and Policy*, (Urbana: The University of Illinois Press, 1982), pp. 21-41.

Ronald Lee (1981) "From Rome to Manila: How Demography Has Changed in Three Decades," Plenary Address, *Proceedings of the International Population Conference*, Manila, 1981, (IUSSP, 1981), pp. 505-516) and also in Spanish translation in *Demographia and Economia*.

Ronald Lee, first author with Roger Schofield (1981) "British Population in the 18th Century," Roderick Floud and Donald McClosky, eds., *A New Economic History of Britain* (Cambridge University Press, 1981), pp. 17-35.

Ronald Lee (1981) "Comment on McDonald: Modeling Demographic Relationships: An Analysis of Forecast Functions for Australian Live Births," *Journal of the American Statistical Association*, December 1981, v.76, n.376, pp. 793-795.

Ronald Lee (1981) "Short-term variation: vital rates, prices, and weather,," Chapter 9 of E.A. Wrigley and Roger Schofield, *The Population History of England 1541-1871: A Reconstruction* (Edward Arnold and Harvard University, 1981).

Ronald Lee (1981) "A Stock Adjustment Model of U.S. Marital Fertility, 1947-1974," in Julian Simon and Peter Lindert, eds., *Research in Population Economics*, v.3 (JAI, 1981).

Ronald Lee (1981) "Model for Forecasting Fertility From Birth Expectations Data," in Gerry Hendershot and Paul Placek, eds., *Predicting Fertility: Demographic Studies of Birth Expectations* (Lexington Books, 1981).

Ronald Lee (1981) "Aggregate Fertility Flows and the Distribution of Family Size Desires," paper presented at the Meetings of the PAA in Washington, D.C., March 1981.

Ronald Lee (1980) "Age Structure, Intergenerational Transfers and Economic Growth: An Overview," in George Tapinos, ed., *Revue Economique: special issue on economic demography*, v.31, n.6 (November 1980), pp. 1129-1156.

Ronald Lee (1980) "Aiming at a Moving Target: Period Fertility and Changing Reproductive Goals," *Population Studies*, v.34, n.2 (July 1980), pp. 205-226.

Ronald Lee (1980) "A Historical Perspective on Economic Aspects of the Population Explosion: the Case of Preindustrial England," R. Easterlin, ed., *Population and Economic Change in Developing Countries: a conference report of the Universities-National Bureau Committee for Economic Research* (University of Chicago, 1980), pp. 517-557.

Ronald Lee (1979) "Appendix B-1. Fertility Assumption" in 1979 Advisory Council Report on *Social Security Financing and Benefits* (U.S.G.P.O., 1980), pp. 287-298.

Ronald Lee (1979) "Economic Theories of Fertility and Longrun Fertility Forecasts: a Review and Evaluation," paper for the Office of Research and Statistics of the Social Security Administration, 1979.

Ronald Lee (1978) "Causes and Consequences of Age Structure Fluctuations: the Easterlin Hypothesis," *Proceedings of the Conference on Economic and Demographic Change: Issues for the 1980s*: Helsinki, 1978, v.1. (I.U.S.S.P., 1979), pp. 405-418.

Ronald Lee (1978) "Models of Preindustrial Population Dynamics, with Applications to England," in Charles Tilly, ed., *Historical Studies of Changing Fertility* (Princeton: Princeton University Press, 1978), pp. 155-207.

Ronald Lee (1978) "New Methods of Forecasting Fertility: An Overview," *Population Bulletin of the United Nations*, n.11, 1978, pp. 6-11. Also in *Prospects of Population: Methodology and Assumptions*. U.N. Population Studies, 67:215-226, 1979.

Ronald Lee (1977) "Target Fertility, Contraception and Aggregate Rates: Toward a Formal Synthesis," *Demography*, 14, n.4 (November 1977), pp. 455-479.

Ronald Lee (1977) "Methods and Models for Analyzing Historical Series of Births, Deaths and Marriages," in Ronald Lee, ed., *Population Patterns in the Past* (New York: Academic Press, 1977), pp. 337-370.

Ronald Lee (1977) "Forecasting Fertility and Female Labor Force Participation: An Evaluation of Prospects," report prepared for the U.S. Bureau of Labor Statistics, October 1977.

Ronald Lee (1976) "Demographic Forecasting and the Easterlin Hypothesis," *Population and Development Review* (September/December, 1976), pp. 459-468.

Ronald Lee (1975) Comment on "A New Look at Some Old Data: The Beveridge Wheat Price Series," *Journal of the Royal Statistical Society, Series A*, v.138, part 2 (1975), p. 296.

Ronald Lee (1975) "Fertility, Age Structure and Income in the United States, 1947-1974," presented at the Econometric Society World Congress held in Toronto, August 1975.

Ronald Lee (1975) "Natural Fertility, Population Cycles, and the Spectral Analysis of Births and Marriages," *Journal of the American Statistical Association*, 70, n.350 (June 1975), pp. 295-304.

Ronald Lee (1974) "The Formal Dynamics of Controlled Populations and the Echo, the Boom and the Bust," *Demography* 11, n.4 (November 1974), pp. 563-585.

Ronald Lee (1974) "Estimating Series of Vital Rates and Age Structures from Baptisms and Burials: A New Technique, with Applications to Preindustrial England," *Population Studies* 28, n. 3 (November 1974), pp. 495-512.

Ronald Lee (1974) "Forecasting Births in Post-Transition Populations: Stochastic Renewal with Serially Correlated Fertility," *Journal of the American Statistical Association* 69, n. 247 (September 1974), pp. 607-617.

Ronald Lee (1973) "Population in Preindustrial England: An Econometric Analysis," *Quarterly Journal of Economics* 87, n. 4 (November 1973), pp. 581- 607.