

# Stefan Rayer

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Bureau of Economic and Business Research  
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## Education

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- 2001      Doctor of Philosophy, Development Sociology, Cornell University  
Concentration in Population and Development, Regional Science, and Research Methods  
Dissertation: "Units of Analysis Matter: A Study of Spatial Structural Change in Large  
Metropolitan Areas of the Northeastern United States."
- 1997      Master of Science, Development Sociology, Cornell University  
Master's Thesis: "The Structural Dimension of Net Migration and Migration Efficiency in  
the Mid-Atlantic Region, 1985–90."
- 1994      Bachelor of Arts with High Honours, Sociology, University of Saskatchewan

## Work, Research, and Teaching Experience

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- 2014–Present      Population Program Director, Associate in, BEBR, University of Florida
- 2011–2014      Research Demographer, Associate in, BEBR, University of Florida
- 2003–2011      Research Demographer, Assistant in, BEBR, University of Florida
- 2001–2003      Demographic Statistician, MISER, University of Massachusetts
- 1997–2001      Research Assistant, Cornell University (Working with Professor David L. Brown)
- 1995–1996      Teaching Assistant, Cornell University (Introductory Sociology, Research Methods)

## Publications (Refereed)

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- 2015      "Demographic Techniques: Small-area Estimates and Projections," by Stefan Rayer. Pp. 162–169 in *International Encyclopedia of the Social & Behavioral Sciences, Second Edition, Volume 6*, edited by James D. Wright. Elsevier.
- 2015      "An Evaluation of Population Forecast Errors for Florida and its Counties, 1980–2010," by Stefan Rayer and Stanley K. Smith. Pp. 11–24 in *Emerging Techniques in Applied Demography*, edited by Nazrul Hoque and Lloyd B Potter. Springer Netherlands.
- 2014      "Population Projections by Age for Florida and its Counties: Assessing Accuracy and the Impact of Adjustments," by Stefan Rayer and Stanley K. Smith, *Population Research and Policy Review* 33: 747–770.
- 2012      "Population Aging, Disability, and Housing Accessibility: Implications for Sub-national Areas in the United States," by Stanley K. Smith, Stefan Rayer, Eleanor Smith, Zhenglian Wang, and Yi Zeng, *Housing Studies* 27: 252–266.
- 2011      "Evaluating Population Forecast Accuracy: A Regression Approach Using County Data," by Jeff Tayman, Stanley K. Smith, and Stefan Rayer, *Population Research and Policy Review* 30: 235–262.
- 2010      "Factors Affecting the Accuracy of Subcounty Population Forecasts," by Stefan Rayer and Stanley K. Smith, *Journal of Planning Education and Research* 30 (2): 147–161.

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### Publications (Refereed), continued

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- 2009 "Empirical Prediction Intervals for County Population Forecasts," by Stefan Rayer, Stanley K. Smith, and Jeff Tayman, *Population Research and Policy Review* 28: 773–793.
- 2008 "Aging and Disability: Implications for the Housing Industry and Housing Policy in the United States," by Stanley K. Smith, Stefan Rayer, and Eleanor A. Smith, *Journal of the American Planning Association* 74 (3): 289–306.
- 2008 "Population Forecast Errors: A Primer for Planners," by Stefan Rayer, *Journal of Planning Education and Research* 27 (4): 417–430.
- 2007 "Population Forecast Accuracy: Does the Choice of Summary Measure of Error Matter," by Stefan Rayer, *Population Research and Policy Review* 26 (2): 163–184.
- 2001 "Geographic Diversity of Inter-County Migration in the United States, 1980–95," by Stefan Rayer and David L. Brown, *Population Research and Policy Review* 20 (3): 229–252.
- 1999 "The Volume and Composition of Internal Migration to and from New York," by David L. Brown and Stefan Rayer. Pp. 228–240 in *New York in the 21<sup>st</sup> Century*, edited by Thomas A. Hirschl and Tim B. Heaton. New York: Greenwood.

### Publications (Technical Reports)

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- 2016 "Estimating and Projecting Florida's Hispanic Population," by Stanley K. Smith, Stefan Rayer, and Ying Wang. Report prepared for the Florida Legislature, December 2016.
- 2016 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2020–2045, with Estimates for 2015" by Stefan Rayer and Ying Wang, *Florida Population Studies*, Bulletin 175.
- 2016 "Projections of Florida Population by County, 2020–2045, with Estimates for 2015" by Stefan Rayer and Ying Wang, *Florida Population Studies*, Volume 49, Bulletin 174.
- 2015 "The Impact of Alternative Migration Models on Population Projections in Florida," by Stanley K. Smith, Stefan Rayer, and Ying Wang. Report prepared for the Florida Legislature, December 2015.
- 2015 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2015–2040, with Estimates for 2014" by Stefan Rayer and Ying Wang, *Florida Population Studies*, Bulletin 172.
- 2015 "Annual Population Estimates by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2000–2010 (Revised and Updated)" by Stefan Rayer, Ying Wang, and Stanley K. Smith, *Special Population Reports*, Number 10, June 2015.
- 2015 "Projections of Florida Population by County, 2015–2040, with Estimates for 2014" by Stefan Rayer and Ying Wang, *Florida Population Studies*, Volume 48, Bulletin 171.
- 2014 "BEER Population Projections for Florida: Data, Assumptions and the Impact of the Baby Boom," by Stanley K. Smith and Stefan Rayer. Report prepared for the Florida Legislature, December 2014.
- 2014 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2015–2040, with Estimates for 2013" by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Bulletin 169.
- 2014 "Projections of Florida Population by County, 2015–2040, with Estimates for 2013" by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 47, Bulletin 168.

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### Publications (Technical Reports), continued

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- 2013 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2015–2040, with Estimates for 2012" by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Bulletin 166.
- 2013 "Projections of Florida Population by County, 2015–2040, with Estimates for 2012" by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 46, Bulletin 165.
- 2012 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2011–2040," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Bulletin 163.
- 2012 "Projections of Florida Population by County, 2011–2040," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 45, Bulletin 162.
- 2011 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2010–2040," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 44, Bulletin 160.
- 2011 "An Evaluation of Population Forecast Errors for Florida and Its Counties, 1980–2010," by Stanley K. Smith, and Stefan Rayer, *Special Population Reports*, Number 9, July 2011.
- 2011 "Projections of Florida Population by County, 2010–2040," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 44, Bulletin 159.
- 2011 "Revised Annual Population Estimates for Florida and Its Counties, 2000–2010, with Components of Growth," by Stanley K. Smith, Scott Cody, and Stefan Rayer, *Special Population Reports*, Number 7, May 2011.
- 2010 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2009–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 43, Bulletin 157.
- 2010 "Projections of Florida Population by County, 2009–2035," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 43, Bulletin 156.
- 2009 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2008–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 42, Bulletin 154.
- 2009 "Projections of Florida Population by County, 2008–2035," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 42, Bulletin 153.
- 2008 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2007–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 41, Bulletin 151.
- 2008 "Projections of Florida Population by County, 2007–2035," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 41, Bulletin 150.
- 2007 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2006–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 40, Bulletin 148.
- 2007 "Projections of Florida Population by County, 2006–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 40, Bulletin 147.
- 2006 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2005–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 39, Number 3, Bulletin 145.

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### Publications (Technical Reports), continued

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- 2006 "Projections of Florida Population by County, 2005–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 39, Bulletin 144.
- 2005 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2004–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 38, Number 3, Bulletin 142.
- 2005 "Projections of Florida Population by County, 2004–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 38, Number 2, Bulletin 141.
- 2004 "Population Projections by Age, Sex, Race, and Hispanic Origin for Florida and Its Counties, 2003–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 37, Number 3, Bulletin 139.
- 2004 "Projections of Florida Population by County, 2003–2030," by Stanley K. Smith and Stefan Rayer, *Florida Population Studies*, Volume 37, Number 2, Bulletin 138.
- 2003 "MISER Population Projections for Massachusetts, 2000–2020," by Stefan Rayer, *Internet Release*, <http://www.umass.edu/miser/population/miserproj.html>.
- 2002 "MISER 1999 Subcounty Population Estimates by Age, Sex, and Race," by Stefan Rayer, *Internet Release*, <http://www.umass.edu/miser/population/index.html>.
- 1998 "Ecological and Social Structural Determinants of Intercounty Migration in the United States: 1980–95," by Stefan Rayer and David L. Brown. Working Paper Series, Population and Development Program, Cornell University, 98–02.

### Professional Presentations

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- 2016 "Calculation of State-Level Migration Rates by Single Year of Age, Sex, Race, and Ethnicity Using ACS PUMS Data for Florida." Federal-State Cooperative for Population Projections, March 30, Washington, DC.
- 2015 "DEMOGRAPHICS NOW AND TOMORROW: Florida Population Characteristics, Movement, and Change. How are Demographic Trends Shaping the Industry in Florida?" Panel Discussant, 2015 CBRE Investor Symposium, Florida Multifamily Focus, October 2, Miami, FL.
- 2015 "Florida's Baby Boomers: Effects on Statewide Projections." Federal-State Cooperative for Population Projections, April 29, San Diego, CA.
- 2014 "BEER Population Projections for Brevard, Orange, and Osceola Counties, 2015–2040." Panel Discussion: Demographic Changes and Community Values. East Central Florida Corridor Task Force Meeting, August 22, Kissimmee, FL.
- 2012 "Population Forecast Errors for Florida Counties by Age, Sex, and Population Size." Southern Demographic Association, October 10–12, Williamsburg, VA.
- 2012 "An Evaluation of BEER Population Projections for Florida Compared to Census 2010." Federal-State Cooperative for Population Projections, May 2, San Francisco, CA.
- 2011 "An Evaluation of Population Forecast Errors for Florida, 1985–2010." Southern Demographic Association, October 19–21, Tallahassee, FL.
- 2009 "Aging, Disability, and Housing: Implications for States." Southern Demographic Association, October 22–24, Galveston, TX.
- 2009 "Subcounty Population Forecast Accuracy: An Analysis Beyond Size and Growth." Population Association of America, April 30–May 2, Detroit, MI.

**Professional Presentations, continued**

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- 2008 "An Evaluation of Subcounty Population Forecasts in Florida." Southern Demographic Association, October 30–November 1, Greenville, SC.
- 2007 "Aging and Disability: Implications for the U.S. Housing Industry." Southern Demographic Association, October 11–13, Birmingham, AL.
- 2007 "Empirical Prediction Intervals for County Population Forecasts." Population Association of America, March 29–31, New York, NY.
- 2006 "Modeling Complexity: Does Forecast Sophistication Pay?" Southern Demographic Association, November 2–4, Durham, NC.
- 2006 "From Swamps to Shopping Malls: A Century of Demographic Change in Florida." Winter Institute in Arts Management, March 3, Palm Beach Gardens, FL.
- 2005 "Small Area Population Projections in Practice: Challenges and Opportunities." Southern Demographic Association, November 3–5, Oxford, MS.
- 2005 "Stability Over Time in the Distribution of County Population Forecast Errors." Southern Demographic Association, November 3–5, Oxford, MS.
- 2005 "Evaluating County Population Projections Using a Century of Census Data." Population Association of America, March 31–April 2, Philadelphia, PA.
- 2004 "Assessing the Accuracy of Trend Extrapolation Methods for Population Projections: The Long View." Southern Demographic Association, October 14–16, Hilton Head Island, SC.
- 2004 "Developing Projection Assumptions in a Cohort-Component Framework." Federal-State Cooperative for Population Projections, March 29–31, Boston, MA.
- 2003 "MISER Subcounty Population Estimates for Massachusetts." Federal-State Cooperative Program for Population Estimates, April 28–29, Minneapolis, MN.
- 2002 "Intra-Metropolitan Linkages in a Polycentric Metropolis." Population Association of America, May 9–11, Atlanta, GA.
- 2002 "Bridging Race: Comparing Census 2000 Race Data to those of Earlier Censuses. The Case Of Massachusetts." The Association of American Geographers, March 19–23, Los Angeles, CA.
- 2001 "Changing Settlement Patterns: An Investigation of Population Change in Boston and New York, 1980 to 2000." Rural Sociological Society, August 15–19, Albuquerque, NM.
- 2000 "The Central City-Suburb Link: An Analysis of Population, Income, and Employment Change in the Boston, New York, and Philadelphia CMSAs." Rural Sociological Society, August 13–17, Washington, DC.
- 2000 "The Evolving Metropolis – Analyzing Changes in Metropolitan Morphology for the Boston, New York, and Philadelphia CMSAs, 1980–98." The Association of American Geographers, April 4–8, Pittsburgh, PA.
- 2000 "Recent Trends in the Distribution of Population and Employment within Large Metropolitan Areas in the Northeastern United States." Population Association of America, March 23–25, Los Angeles, CA.
- 1999 "Recent Patterns of Population Redistribution in the Boston, New York, and Philadelphia CMSAs." Regional Science Association International, November 11–14, Montréal, QC.
- 1998 "Economic, Demographic, and Geographic Complexity of County to County Migration in the United States, 1980–95." Regional Science Association International, November 11–14, Santa Fe, NM.

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### Professional Presentations, continued

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- 1998 "Ecological and Social Structural Determinants of Intercounty Migration in the United States, 1980–95." World Congress of Sociology, July 26–August 1, Montréal, QC.
- 1997 "The Structural Dimension of Net Migration and Migration Efficiency in the Mid-Atlantic Region, 1985–90." Rural Sociological Society, August 13–17, Toronto, ON.

### Professional Service

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- 2012 Discussant, "Intersections Between Internal and International Migration." Population Association of America, May 3–5, San Francisco, CA.
- 2005 Chair, Steering Committee, Federal-State Cooperative Program for Population Projections.
- 2004 Vice-Chair, Steering Committee, Federal-State Cooperative Program for Population Projections.
- 2000 "The Volume and Composition of Internal Migration to and from New York." Legislative Briefing to New York State Assembly, March 2, Albany, NY.
- 1999 Session Chair, "Visual and Geographic Methodological Approaches," Rural Sociological Society, August 4–8, Chicago, IL.
- 1998 Session Chair, "Metropolitan Investments and Policy," Regional Science Association International, November 11–14, Santa Fe, NM.
- Reviewer: *Australasian Journal of Regional Studies, Journal of Maps, Journal of Planning Education and Research, Population Research and Policy Review, Rural Sociology, USDA-ERS Economic Information Bulletin.*

### Awards, Fellowships, and Honors

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- 2011 E. Walter Terrie Award for State & Local Demography, Southern Demographic Association
- 2007 E. Walter Terrie Award for State & Local Demography, Southern Demographic Association
- 1999 Doctoral Dissertation Research Grant, HUD
- 1998 Phi Kappa Phi
- 1997 Alpha Kappa Delta
- 1997 Gamma Sigma Delta
- 1995 University Prize in the Social Sciences, University of Saskatchewan

### Membership

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Federal-State Cooperative Program for Population Estimates  
Federal-State Cooperative Program for Population Projections  
Population Association of America