Located Resear	graphic ^{A fr} rch	ee, open access, expedit population science since its first volume, v	ed, peer-reviewed journal of the s published regularly on the web olume 1 (July - December 1999)
www.den	mographic-research.org		ISSN 1435-9871
Home	e Reviewers Associate Editors	Editor Publisher	Contact
Journal Contents SEARCH	Estimating multistate tran distributions	sition rates from	population
Current Volume Volumes	Robert Schoen Stefan H. Jonsson		
Articles Special Collections	VOLUME 9 - ARTICLE 1 http://www.demographic-research.or	Date Received: 11 Nov 2002 Date Published: 29 Aug 2003 rch.org/volumes/vol9/1/	
General Information About the Journal	Bookmark this pageSend this article to a friend		
Information for Authors	Click the icon to view and/or of Once you are in the PDF file, u	lownload the PDF file. use your browser back bu	utton to return to this page.
Copyright Information	Abstract The ability to estimate transition rates (or probabilities) from population distributions has many potential applications in demography. Iterative Proportional Fitting (IPF) has been used for such estimation, but lacks a meaningful behavioral, or demographic, foundation. Here a new approach, Relative State Attractiveness (RSA), is advanced. It assumes that states become more (or less) attractive, and that rates respond accordingly. The RSA estimation procedure is developed and applied to model and actual data where the underlying rates are known. Results show that RSA provides accurate estimates under a wide range of conditions, usually yielding values similar to those produced by IPF. Both methods are then applied to U.S. data to provide new estimates of interregional migration		
Register for e-mail alerts			
Submit a Paper © 1999 - 2008 Max-Planck-Gesellschaft • Copyright & Legal			

Author's affiliation Robert Schoen Pennsylvania State University, United States of America Stefan H. Jonsson Pennsylvania State University, United States of America

Keywords entropy, estimation techniques, iterative proportional fitting, multistate models

Word count (Main text) 3819

between the years 1980 and 1990.

Other Articles by the same author/authors (in *Demographic Research*)

- [19-49] A behaviorally-based approach to measuring inequality
- [13-5] Changing mortality and average cohort life expectancy
- [13-3] Age-specific contributions to changes in the period and cohort life expectancy
- [12-3] Intrinsically dynamic population models
- [9-6] A diminishing population whose every cohort more than replaces itself
- [6-3] On the Impact of Spatial Momentum
- [4-6] Toward a General Model for Populations with Changing Rates

Similar Articles (in *Demographic Research*)

- [19-49] A behaviorally-based approach to measuring inequality (entropy)
- [10-6] Fertility and Public Policies Evidence from Norway and Finland (multistate models)
- [10-2] Marriage in Russia: a reconstruction (multistate models)
- [6-1] The Survivor Ratio Method for Estimating Numbers at High Ages (estimation techniques)

[Back to previous page]