

Welcome to Demographic Research

ISSN 1435-9871

5

published by the Max Planck Institute for Demographic Research. A free, open access, expedited, peer-reviewed journal of the population sciences, published regularly on the web since July 1999.

	\mathbf{m}	\sim	
\mathbf{U}		e	

Reviewers

Associate Editors

Editor

Publisher Contact

Journal Contents	Estimation of multi-state life table functions variability from complex survey data using the	and their ne SPACE Program
Current Volume	Liming Cai Mark Hayward	 References View the references of this article
Articles Special Collections	Yasuhiko Saito James Lubitz Aaron Hagedorn Eileen Crimmins	 Services Bookmark this page Send this article to a friend
General Information	VOLUME 22 - ARTICLE 6Date Received: 7 Jan 2009PAGES 129 - 158Date Published: 26 Jan 2010http://www.demographic-research.org/volumes/vol22/6/	Download to Citation Manager Refman format (RIS)
Information for Authors	doi: 10.4054/DemRes.2010.22.6	 EndNote format BibTeX format
Copyright Information Register for e-mail alerts Submit a Paper	Click the icon to view and/or download the PDF file. Once you are in the PDF file, use your browser back button to return to this page. Abstract The multistate life table (MSLT) model is an important	Articles PubMed Articles by Liming Cai Articles by Mark Hayward Articles by Yasuhiko Saito Articles by James Lubitz Articles by Aaron
© 1999 - 2010 Max-Planck-Gesellschaft • Copyright & Legal	demographic method to document life cycle processes. In this study, we present the SPACE (Stochastic Population Analysis for Complex Events) program to estimate MSLT functions and their sampling variability. It has several advantages over other programs, including the use of microsimulation and the bootstrap method to estimate the sampling variability. Simulation enables researchers to analyze a broader array of statistics than the deterministic approach, and may be especially advantageous in investigating distributions of MSLT functions. The bootstrap method takes sample design into account to correct the potential bias in variance estimates.	 Hagedorn Articles by Eileen Crimmins Google Scholar Articles by Liming Cai Articles by Mark Hayward Articles by Yasuhiko Saito Articles by James Lubitz Articles by Aaron Hagedorn Articles by Eileen Crimmins Article and its Citations

Author's affiliation Liming Cai National Center for Health Statistics, United States of America Mark Hayward University of Texas at Austin, United States of America Yasuhiko Saito Nihon University, Japan James Lubitz National Center for Health Statistics, United States of America Aaron Hagedorn University of Southern California, United States of America **Eileen Crimmins** University of Southern California, United States of America

Keywords bootstrap, health expectancy, multi-state life table, population aging

Word count (Main text) 7708

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

[20-19] Trends in healthy life expectancy in Japan: 1986
 2004

[3-9] Change in the Prevalence of Diseases Among Older Americans: 1984-1994

Similar articles in Demographic Research

- [13-7] Decomposing the change in labour force indicators over time (population aging)
- [10-11] Children facing economic hardships in the United States: Differentials and changes in the 1990s. (bootstrap)
- [10-8] Population aging and the extended family in Taiwan: A new model for analyzing and projecting living arrangements (population aging)

[Back to previous page]