14 October 2021

**CURRICULUM VITAE**

**Nozomu INOUE**

Department of Theoretical Social Security Research

National Institute of Population and Social Security Research

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**Education**

Ph.D., Economics, Aoyama Gakuin University 2020

M.S., Economics, Aoyama Gakuin University 2012

B.S., Economics, Aoyama Gakuin University 2010

**Languages:**

Japanese (Native), English (Fluent), Spanish (Conversational)

**Experience**

Researcher, National Institute of Population and Social Security Research,   
 2018 to present.

Research Associate, Aoyama Gakuin University, 2018.

Temporary Research Assistant, National Institute of Population and Social Security Research, 2015-2018

Associate Researcher, Chuo University, 2014-2015.

Visiting Researcher, Chuo University, 2012-2014.

Sales Associate, Oki Electric Industry Co., Ltd., 2012-2014

**Research and Teaching Fields**

Demography, Econometrics, Geographic Information, Social Security

**Discussion Paper**

Inoue, N. 2018. Simplified Projection of the Insurance Premiums in the Greater Tokyo Area, 2020-2060.  
*IPSS Discussion Paper Series* No.2018-E01, pp.1-21.

**Publications ‐ Peer-reviewed journal articles**

Inoue, N. (2020) The Suitability of Depopulated Area Requirements as an Indicator of the Risk of Becoming Uninhabited: Using Logit Analysis *Aoyama Gakuin University Economic Review* No.12 pp.31-41. (Aoyama Gakuin University)

Inoue, N. (2020) Classiﬁcation of Small Areas Belonging to Depopulated Municipalities: Using Economic Population Potential *The Aoyama Journal of Economics* Vol.71 No.4 pp.15-28. (Aoyama Gakuin University)

Inoue, T. and Inoue, N. (2019) An　Examination　of　the　Risk　of　Becoming　Uninhabited　at　the　Small Area Scale: Using Data from the Web System of Small Area Population Projections for the Whole Japan *Journal of Population Problems* Vol.75 No.4 pp.421-431. (National Institute of Population and Social Security)

Inoue, N. and Matsumoto, S. (2019) An examination of losses in energy savings after the Japanese Top Runner Program? *Energy Policy* Vol.124 pp.312-319. (Elsevier)

Inoue, N. (2018) Automation of GIS Operating by Visual Programmin: A Case of Generating Grid-Cell Data with Areal Distribution Method *The Aoyama Journal of Economics* Vol.70 No.2 pp.179-212. (Aoyama Gakuin University)

Inoue, N. (2018) Mapping of Population Statistics Using GIS: A Case of Daytime-Nighttime Population Ratios *The Aoyama Journal of Economics* Vol.70 No.1 pp.51-76. (Aoyama Gakuin University)

Inoue, N. (2018) GIS Analysis of Nursing Facilities in the Tokyo Metropolitan Area, 2010-2060 *The Aoyama Journal of Economics* Vol.70 No.1 pp.1-10. (Aoyama Gakuin University)

Inoue, N. (2017) Some Issues on GIS Education in Universities, Companies and Local Governments: Through Interviews for GIS Trainers *Aoyama Journal of Social Sciences* Vol.45 No.2 pp.39-66. (Aoyama Gakuin University)

Inoue, N. (2016) A Comparative Study on the Pregress in GIS: Utilization between Japan and United States by Using Reginal Demographic Analysis *Aoyama Journal of Social Sciences* Vol.45 No.1 pp.37-58. (Aoyama Gakuin University)

Inoue, N. (2013) An Analysis of Factors on the Difference in Employment Change among Depopulated Areas of Japan: Focused on Reginaol Special Effects in Shift-share Analysis *Annals of Japan Association of Economic Geographers* Vol.59 No.2 pp.216-228. (Nihon Keizai Hyouronsha Ltd.)

**Publications ‐ Papers in Collection and Book Chapters**

Inoue, N. 2014. Labor Market Analysis of an Aging Society *[Kourei Syakai No Roudou Sijyou Bunseki]* (In Japanese) (ISBN: 978-4-8057-2252-7) Edited by Matsuura, T., Chuo University Press. (Chapter 5)

**Presented Papers**

Inoue, N. and Koike, S. and Inoue, T. (2021) Overview of IPUMS International *ESTRELA* No.330 pp.48-51. (Mizukami Insatsu Co Ltd.)

Inoue, N. and Koike, S. and Inoue, T. (2021) Overview of IPUMS CPS *ESTRELA* No.328 pp.48-51. (Mizukami Insatsu Co Ltd.)

Inoue, N. and Koike, S. and Inoue, T. (2021) Overview of IPUMS USA *ESTRELA* No.326 pp.48-51. (Mizukami Insatsu Co Ltd.)

Inoue, N. and Koike, S. and Inoue, T. (2021) IPUMS Configuration and Registration *ESTRELA* No.324 pp.54-57. (Mizukami Insatsu Co Ltd.)

Inoue, N. (2019) A Case Study of Flood Hazard Map Using Free GIS Software *ESTRELA* No.307 pp.50-53. (Mizukami Insatsu Co Ltd.)

Inoue, T., Inoue, N. Katayama, R. (2018) Population Estimation by Elevation and Slope Using "Small Area Population Projections for the Whole Japan" *ESTRELA* No.295 pp.2-7. (Mizukami Insatsu Co Ltd.)

Inoue, T. and Inoue, N. (2018) Population Estimation by Elevation and Slope Using "Small Area Population Projections for the Whole Japan" *ESTRELA* No.295 pp.14-19. (Mizukami Insatsu Co Ltd.)

Inoue, T. and Inoue, N. (2018) Japan's Population Decreasing, Declining Birthrate and Aging Population Based on "Small Area Population Projections for the Whole Japan" *ESTRELA* No.295 pp.2-7. (Mizukami Insatsu Co Ltd.)

Inoue, N. (2016) A Study on the Trend of Environmental Improvement for Spatial Population Analysis in the United States: Focusing on Introduction of Data Providing Websites *ESTRELA* No.262 pp.10-25. (Mizukami Insatsu Co Ltd.)

**International Conference**

2021/8/16 Future Prospects of Population Aging in Japan: A Cluster Analysis Using Small Area Population Projection Data (34th International Geographical Congress, Online) (Joint with Inoue Takashi)

2021/6/5 An Evaluation of the Risk of Becoming Uninhabited at the Small Area Scale by Logit Models: Using Projected Population of Japan (Population Association of America 2021 Annual Meeting, Online) (Joint with Inoue Takashi)

2019/10/24 The Change of the Number of Households vs. the Change of Energy Usage: Focused on the Energy Consumption Change of Elderly Households in Japan (Southern Demographic Association, New Orleans, Louisiana) (Joint with Matsumoto Shigeru)

2019/7/1 The Web System of Small Area Population Projections for the Whole Japan and its Applications: Focusing on Rapid Aging in Japan (International Conference on Population Geographies, Loughborough UK) (Joint with Inoue Takashi)

2019/6/5 The impact of demographic change on residential energy consumption: Evidence from Japanese household survey between 1989 and 2014 (Canadian Population Society, Vancouver Canada) (Joint with Matsumoto Shigeru)

2018/10/11 An Analysis of Japan's Aging Population: Using Data from the Web System of Small Area Population Projections for the Whole Japan (Southern Demographic Association, Durham USA) (Joint with Inoue Takashi and Katayama Rina)

2017/11/4 Did the energy efficiency improvement of home appliances lead to the reduction of household electricity consumption? Experience from Japan Top Runner Program (The Japan Economic Policy Association, Okinawa JAPAN) (Joint with Matsumoto Shigeru)

2017/6/29 An Application of the Weaver Method to Estimating Local Demographic and Industrial Characteristics (Population Geographies, Seattle USA)

2014/10/16 The Demographic Segmentation of the Financial Asset and Projection of the Market size in Japan (Southern Demographic Association, Memphis USA) (Joint with Wada Kohei)

**Presented Papers** **Domestic Conference**

2021/6/6 Verifying the Effects of Municipal Merger on Depopulated Areas Using Small Area Data (Population Association of Japan, Online)

2020/11/14 Depopulated Area Research Using Small Area Demographic Data (Population Association of Japan, Online)

2019/5/31 How to Create Hazard Maps Using Free GIS Software: Focused on Takamatsu, Kagawa in Japan (Population Association of Japan, Kagawa)

2018/11/3 A Cluster Analysis of Japan's Aging Population: Using Data from The Web System of Small Area Population Projections for the Whole Japan (Center for Spatial Information Science, Chiba) (Joint with Inoue Takashi)

2018/10/20 Application to Population Estimation by Elevation and Slope Using Small Area Population Projections for the Whole Japan (GIS Association of Japan, Tokyo) (Joint with Inoue Takashi)

2018/10/20 The basic summary of the data of the “Small Area Population Projections for the Whole Japan” (GIS Association of Japan, Tokyo) (Joint with Inoue Takashi and Katayama Rina)

2018/6/16 Verification of Risk of Becoming Uninhabited in Small Area Using “Small Area Population Projections for the Whole Japan” (Japan Association on Geographical Space, Tokyo) (Joint with Inoue Takashi)

2018/6/3 A Study of Combinatorial Analysis by Hypothesis Testing: Comparative Study with Modified Weaver Method (Population Association of Japan, Chiba)

2017/6/11 An Application of the Weaver Method to Estimating Local Demographic and Industrial Characteristics (Population Association of Japan, Sendai)

2014/6/15 Statistical Analysis of Migration and Population Potential using Agent Based Model (Population Association of Japan, Tokyo)

2012/4/28 An Analysis of Inequality in Employment Growth in Depopulated Areas (The Japan Association of Economic Geographers, Tokyo)

2012/3/23 An Empirical Analysis of Factors on the Difference in Employment Change among Depopulated Areas of Japan (Population Association of Japan, Tokyo)

**Professional Service**

Member of Meeting Organizing Committee (The International Conference on Population Geographies 2022 Tokyo), 2019 to present.

Manager for Annual Meeting Organizing Committee (Population Association of Japan), 2017 to present.

**Grants and Contracts**

Title: Construction of a Web Mapping System for Population Estimation by small area in the Asia-Pacific Region

Description: Grant-in-Aid for Scientific Research (B), 2020-2024

Role: Co-investigator.

Amount: \17,030,000.

Title: The Solving the Basic Pension Problem with Actuarial Model

Description: Grant-in-Aid for Scientific Research (C), 2017-2020

Role: Co-investigator.

Amount: \4,290,000.

Title: Demographic Segmentation and Population Estimation in Financial Asset Market

Description: Resampling Data Usage Promotion Program, 2016-2018.

Role: Organizer.

Amount: \100,000.