石田　淳　教授

いしだ　　あつし

●数理社会学

専門分野・キーワード

／　教育・研究内容

　数理社会学を専攻しています。数理社会学とは、数学言語によって、社会現象の様態とメカニズムを記述する「モデル」を作り、それにより社会現象の説明を目指す社会学の一分野です。

　これまで、数理社会学的手法、そして同時に計量的手法を使いながら、雑多なテーマの研究に取り組んできました。これまで取り組んできたのは、コミュニケーション、社会階層意識、災害復興制度、社会的ジレンマ、言語権運動、不平等、分配的正義、ナショナル・アイデンティティ、幸福、人間開発指数、相対的剥奪、戦争と人口構造、軍拡競争モデル、ライフ・イベントによるヴァルネラビリティ、分居モデルなどなどです。

　最近では、ベイズ統計モデリングの手法を応用して、理論的前提に立って経験的データを説明する研究にも取り組んでいます。たとえば、人々の階層帰属意識（どの階層に自分は属しているか）を、背後にランダムウォークプロセスを仮定する意識生成過程によって説明する研究(Ishida 2018b)などに取り組んでいます。

　大学院ゼミについては、院生それぞれが自身の関心に基づき研究テーマを設定し、自主的に研究を進めていけるように支援したいと思います。

／　代表的な著書・論文等

浜田宏・石田淳・清水裕士, 2019,『社会科学のためのベイズ統計モデリング』朝倉書店.

石田淳, 2017,『集合論による社会的カテゴリー論の展開─ブール代数と質的比較分析の応用』勁草書房.

石田淳, 2015,『相対的剥奪の社会学─不平等と意識のパラドックス』東京大学出版会.

Ishida, Atsushi, 2023b, "A Fuzzy Set Extension of Schelling's Spatial Segregation Model," Journal of Computational Social Science, (2023).

Ishida, Atsushi, 2023a, "A Model of Income Evaluation: Income Comparison on Subjective Reference Income Distribution," Journal of Mathematical Sociology, 47(1): 75-96 (published online 01 Oct 2021).

Ishida, Atsushi, 2018b, " Life-Is-like-a-Random-Walk Model of Class Identification," Sociological Theory and Methods (理論と方法), 33(2): 261-76.

Ishida, Atsushi, 2018a," A Bayesian Analysis of Income Distribution Image," SAGE Open, 8(2): 1-12.

石田淳, 2016,「『日本人』の条件─インターネット調査データを用いた社会的カテゴリー分析」『社会学評論』67(2):182-200

Ishida, Atsushi, 2015, "An Initial Condition Game of Richardson's Arms Race Model," Sociological Theory and Methods (理論と方法), 30(1): 37-50.

Ishida, Atsushi, Kenji Kosaka, and Hiroshi Hamada, 2014, "A Paradox of Economic Growth and Relative Deprivation," Journal of Mathematical Sociology, 38(4): 269-84.

／　研究紹介のホームページなど追加情報

　個人ウェブサイト(https://aishidajt9.github.io)に私の研究業績一覧と業績へのリンクを掲載しています。

Professor Atsushi Ishida

Areas of Expertise/Keywords

Mathematical Sociology

I am majoring in mathematical sociology, a branch of sociology that aims to explain social phenomena by creating "models" that describe the state and mechanisms of social phenomena using mathematical language.

I have been working on a variety of topics using mathematical sociological and quantitative methods, including communication, social stratification, disaster recovery systems, social dilemmas, language rights movements, inequality, distributive justice, national identity, well-being, human development indices, relative deprivation, war and population structure, arms race models, vulnerability generated by life events, and segregation model.

Recently, I have been working on research that explains empirical data with theoretical assumptions by applying a Bayesian statistical modeling method. For example, I am currently working on a study to explain people's class identification by assuming a random walk process (Ishida, 2018b).

As for graduate seminars, I would like to support graduate students in setting their own research themes based on their own interests and in proceeding with their research independently.

Main Publications

Ishida, Atsushi, 2023b, "A Fuzzy Set Extension of Schelling's Spatial Segregation Model," Journal of Computational Social Science, (2023).

Ishida, Atsushi, 2023a, "A Model of Income Evaluation: Income Comparison on Subjective Reference Income Distribution," Journal of Mathematical Sociology, 47(1): 75-96 (published online 01 Oct 2021).

Hamada, Hiroshi, Ishida, Atsushi, and Shimizu, Hiroshi, 2019, Bayesian statistical modeling for social sciences, Asakura Shoten. [In Japanese].

Ishida, Atsushi, 2018b, "Life-Is-Like-a-Random-Walk Model of Class Identification," Sociological Theory and Methods, 33(2): 261-276.

Ishida, Atsushi, 2018a, "A Bayesian Analysis of Income Distribution Image," SAGE Open, 8(2): 1-12.

Ishida, Atsushi, 2017. Set-Theoretic Social Category theory: An application of Boolean

algebra and qualitative comparative analysis, Keiso Shobo. [In Japanese].

Ishida, Atsushi, 2016, "The Condition of 'Japanese': A Social Category Analysis Using Internet Survey Data," *Sociological Review*, 67(2): 182-200. [In Japanese].

Ishida, Atsushi, 2015, A sociology of relative deprivation, Paradoxes *of inequality and perception*, University of Tokyo Press. [In Japanese].

Ishida, Atsushi, 2015, "An Initial Condition Game of Richardson's Arms Race Model," *Sociological Theory and Methods*, 30(1): 37-50.

Ishida, Atsushi, Kosaka, Kenji, and Hamada, Hiroshi, 2014, "A Paradox of Economic Growth and Relative Deprivation," *Journal of Mathematical Sociology*, 38(4): 269-284.

Additional information, including My Research Web Site. My Personal Website (https://aishidajt9.github.io) contains a list of my publications and links to them.