

Hiroki Oda

Department of Methodology, London School of Economics and Political Science
h.oda@lse.ac.uk | <https://github.com/hirokiodd>

Education

London School of Economics and Political Science

Sep 2023 - present

MSc Applied Social Data Science

London, UK

Modules: Computer Programming, Social Science Research Design, Managing and Visualising Data, Applied Machine Learning for Social Science, Causal Inference for Observational and Experimental Studies, Social Network Analysis

Supervisor: Dr. Milena Tsvetkova

The University of Tokyo

2015 – 2020

BA Sociology

Tokyo, Japan

Modules: Principle of Sociology, Research Methods in Sociology, Quantitative analysis of inequality and social stratification, Sociological Theory, Sociology of science and technology, Dissertation

BA Thesis: Empirical Analysis of Educational Assortative Mating in Japan

Supervisors: Prof. Sawako Shirahase, Prof. Kazuo Seiyama, Prof. Takeshi Deguchi

The best thesis of the year

Honours Programme

The University of Tokyo Global Education for Innovation and Leadership (GEfIL) Programme

2017 - 2019

Modules:

Research project on Rohingya refugees in Japan, Global Leader Lecture Series (problem-solving strategies by globally engaged speakers)

University Exchange Program

University of Durham, School of Applied Social Sciences

2017 - 2018

Durham, UK

Modules: Sociology of Work and Profession, Social Policy, Research Methods in Action, Economics of Social Policy, Microeconomics

Summer International Honors Program

Stanford University

Jun 2017 - Aug 2017

Stanford, USA

Intensive Studies, International Management

Modules: Introduction to Decision Making, Comparative Corruption, Accounting for Managers and Entrepreneurs

Summer School

Sciences Po

Jul 2016

Paris, France

Social Sciences Track: Comparative Perspectives on Migration Issues

Research Experience

Research on Algorithmic Influence in Digital Music Platforms

Master's Research for MSc degree at London School of Economics, Department of Methodology. Conducted empirical research on the influence of recommendation algorithms on cultural tastes, utilizing advanced data analysis and experimental methods to explore the impact on music genre diversity and atypicality.

Empirical Analysis of Educational Assortative Mating in Japan

Bachelor's Dissertation Research for BA degree at The University of Tokyo, Department of Sociology. (60,000 words in Japanese, approx. 30,000 words in English)

Analysed mechanism of educational assortative mating in Japan from both quantitative and qualitative perspectives. Developed discussion of assortative mating on dating apps in Japan.

Student Retention in Secondary Education in Cambodia

Field research project for the Global Education for Innovation and Leadership (GEfIL) Programme. Led qualitative interview research on educational sociological questions about student retention in the secondary educational scheme.

Presentations

Poster Presentations

"Algorithmically Created Cultural Tastes: How Recommendation Algorithms in Digital Platforms Control Individuals' Music Tastes" 2024

INSNA (International Network for Social Network Analysis) Sunbelt

Scholarships

Japan Student Services Organization (JASSO) July 2017

Awarded for exchange programme at Durham University.

GLP-GEfIL Scholarship for Abroad Experience June 2017 / Feb 2019

Awarded for summer program at Stanford and the research project in Cambodia.

Alumni Scholarship for Abroad Experience June 2016

Awarded for Science Po summer school.

Awards

Krone Award

The University of Tokyo, Department of Sociology

March 2020

The award for the most distinguished dissertation in a single year.

Professional Experiences

Research Assistant

Aug 2024 - Present

London School of Economics and Political Science, London

- Engaging in experimental research on human-machine interaction by reviewing literature and conducting experiment

Data Consultant

Jun 2023 - Sep 2023

Freelance, Tokyo

- Delivered expert consultancy services in data management strategy for a pharmaceutical company
- Implemented data management strategy, including master data management and data catalogue systems, validated through a successful Proof of Concept.

Data Analyst / Back-End Developer

Mar 2022 - May 2023

CADDi Inc., Tokyo

- Served as a leader in the Cost Algorithm Team
- Improved product cost discrepancy analysis, resulting in a 50% increase in cost estimation accuracy
- Designed and implemented a pioneering cost calculation logic in Python.

Strategy Consultant

Apr 2020 - Feb 2022

Accenture Japan, Tokyo

- Played a pivotal role in strategic planning for clients in Japan's manufacturing and electronics sectors.
- Developed business and operating models that led to a 30% cost reduction and a 10% profit increase for clients.
- Led big data analysis tasks (over 1M columns), substantially improving client operations and profitability.

Technical Skills**Programming Language**
SystemsPython, R, SQL
Git(Hub), Google Cloud Platform