

YONGCHAO MA

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RESEARCH INTERESTS

Adaptive Survey Design, Survey Nonresponse, Quantitative Methods, Inequality & Stratification

EDUCATION

Utrecht University, The Netherlands

May 2021

M.Sc., Methodology and Statistics (cum laude)

Track: European Master in Official Statistics (EMOS)

University of Macau, Macau

Jun 2019

M.S.Sc., Criminology and Criminal Justice

Linköping University, Sweden

Jan 2019

Exchange, Computational Social Science

PROFESSIONAL EXPERIENCE

Statistics Netherlands

Sep 2020 - Present

Intern, Department of Methodology

The Hague, The Netherlands

- Optimal stratification in Bayesian adaptive survey designs
- Supervised by Dr. Nino Mushkudiani, Prof. Dr. Barry Schouten
- Reduce survey nonresponse bias by effectively and efficiently stratifying the target population into subgroups that can be approached by different data collection strategies

Utrecht University

Feb 2020 - Present

Research Assistant, Faculty of Social and Behavioural Sciences

Utrecht, The Netherlands

- ASReview: open-source software for screening academic papers with machine learning techniques
- Supervised by Prof. Dr. Rens van de Schoot
- Preprocess the metadata of training data sets
- Back-end Python API and front-end JavaScript user interface development

PUBLICATIONS

van de Schoot, R., de Bruin, J., Schram, R., Zahedi, P., de Boer, J., Weijdem, F., Kramer, B., Huijts, M., Hoogerwerf, M., Ferdinands, G., Harkema, A., Willemsen, J., **Ma, Y.**, Fang, Q., Hindriks, S., Tummers, L., & Oberski, D. L. (2021). An open source machine learning framework for efficient and transparent systematic reviews. *Nature Machine Intelligence*, 3(2), 125-133.

PRESENTATIONS

Ma, Y., Mushkudiani, N., Schouten, B., 2021. Optimal Stratification for Adaptive Survey Design. Paper presented at the European Survey Research Association 2021 Conference.

Ma, Y., 2016. The Change of the Sociopolitical Attitudes of the Middle Class in China: 2003–2013. Paper presented at the Annual Meeting of the Chinese Sociological Association.

SOFTWARE DEVELOPMENT

asreview ASReview: Active learning for systematic reviews

asreview-wordcloud Wordclouds: A tool to create a visual impression of the verbal content within a systematic review dataset

HONORS & AWARDS

Outgoing Exchange Scholarship, University of Macau

May 2018

CERTIFICATES

China National Computer Rank Examination, Level 4 (Network Engineering)

Sep 2015

China National Computer Rank Examination, Level 3 (Computer Network)

Mar 2015

China National Computer Rank Examination, Level 2 (C Programming Language)

Sep 2014

TECHNICAL SKILLS

Programming Language R, Python, JavaScript, Markdown, SQL

Statistical Software SPSS, Stata, HLM, Mplus

Other Software git, L^AT_EX

PROFESSIONAL AFFILIATIONS

Asian Criminological Society

European Survey Research Association