YONGCHAO MA

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RESEARCH INTERESTS

Adaptive Survey Design, Survey Nonresponse, Quantitative Methods, Web Development

EDUCATION

Utrecht University, The Netherlands   *May 2021*

M.Sc. in Methodology and Statistics (cum laude)
Track: European Master in Official Statistics (EMOS)

University of Macau, Macau   *Jun 2019*

M.S.Sc. in Criminology and Criminal Justice

Linköping University, Sweden   *Jan 2019*

Exchange, Computational Social Science

PROFESSIONAL EXPERIENCE

Utrecht University   Aug 2021 - Present
Research and Education Assistant   *Utrecht, The Netherlands*

· Full-time 38 hours per week
· Develop the back-end API and the front-end user interface of ASReview LAB, an open-source software for screening academic papers with machine learning techniques

Utrecht University   Feb 2020 - Jul 2021
Graduate Research Assistant   *Utrecht, The Netherlands*

· Part-time 16 hours per week
· Pre-process the metadata of the training datasets and develop the back–end API and front–end user interface for ASReview LAB
· Supervised by Prof. Dr. Rens van de Schoot

Statistics Netherlands   Sep 2020 - Jul 2021
Intern Methodologist   *The Hague, The Netherlands*

· Full-time 40 hours per week
· In the research on Bayesian adaptive survey design, my task is to reduce survey nonresponse bias by effectively and efficiently stratifying the target population into subgroups that can be approached by different data collection strategies
· Supervised by Dr. Nino Mushkudiani and Prof. Dr. Barry Schouten

PUBLICATIONS

van de Schoot, R., de Bruin, J., Schram, R., Zahedi, P., de Boer, J., Weijdema, 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 in Bayesian Adaptive Survey Designs. Paper presented at the European Survey Research Association 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, HTML, CSS, SQL, Markdown
Statistical Software	SPSS, Stata, HLM, Mplus, JAGS
Other Software	`git`, LaTeX

PROFESSIONAL AFFILIATIONS

Asian Criminological Society

European Survey Research Association