

# YONGCHAO MA

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*Updated Jun 2021*

## RESEARCH INTERESTS

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

## EDUCATION

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**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

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**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

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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

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**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

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**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

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Outgoing Exchange Scholarship, University of Macau

*May 2018*

## CERTIFICATES

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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

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**Programming Language** R, Python, JavaScript, Markdown, SQL

**Statistical Software** SPSS, Stata, HLM, Mplus

**Other Software** git, L<sup>A</sup>T<sub>E</sub>X

## PROFESSIONAL AFFILIATIONS

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Asian Criminological Society

European Survey Research Association