

Xichen Mou

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Division of Epidemiology, Biostatistics, and Environmental Health
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EDUCATION

Aug 2019 Ph.D. in Statistics, University of South Carolina, Columbia, SC, USA
Dec 2013 M.S. in Statistics, University of Illinois at Urbana-Champaign, Champaign, IL, USA
Jun 2010 B.S. in Statistics, Shandong University, Shandong, China

PROFESSIONAL EXPERIENCE

Aug 2019 - present Assistant Professor, Division of Epidemiology, Biostatistics, and Environmental Health,
School of Public Health, University of Memphis, TN, USA
Aug 2014 - Aug 2019 Graduate Assistant, Department of Statistics, University of South Carolina, Columbia, SC, USA

PUBLICATION

Mou, X., Zhang, H., Arshad, H. (in press). Identifying intergenerational patterns of correlated methylation sites. *Annals of Applied Statistics*.
Zhan, L., **Mou, X.**, Gill, M. (2021). Adverse Childhood Experiences (ACEs): Development of an ACEs Knowledge Scale. *Journal of Nursing Measurement*. Advanced online publication. <https://doi.org/10.1891/JNM-D-20-00117>
Wang, D., **Mou, X.**, Liu, Y. (2021). Varying-coefficient regression analysis for pooled biomonitoring. *Biometrics*. Advanced online publication. <http://doi.org/10.1111/biom.13516>
Wang, D., **Mou, X.**, Li, X., Huang, X. (2020). Local polynomial regression for pooled response data. *Journal of Nonparametric Statistics*, 32:4, 814-837.
Qi, R., Cardenas, D. A., **Mou, X.**, Hudson, S. (2018). The strategic value of advertising expenditures in the tourism and hospitality industry. *Tourism Economics*. 24(7), 872-888.

PRESENTATION

* *The presenter(s)'s name is underlined.*

Mou, X., Zhang, H., Karmaus, W., Arshad, H., & Holloway, J. (Aug 2020). Identifying transgenerational patterns of correlated methylation sites. Joint Statistical Meetings, virtual.
Qi, R. & **Mou, X.** (July 2020). Airbnb and smoking-related risks. Poster presentation accepted at the 2020 International Council on Hotel, Restaurant, and Institutional Education (ICHRIE) Conference, virtual.
Wang, D., **Mou, X.**, & Tebbs, J. (July 2019). Nonparametric conditional density estimation for pooled biomarker data. Joint Statistical Meetings, Fort Collins, CO.
Wang, D., **Mou, X.**, & Tebbs, J. (June 2019). Nonparametric conditional density estimation for pooled biomarker data. Invited session at ICSA 2019 Applied Statistics Symposium, Raleigh, NC.

Wang, D., Mou, X., & Tebbs, J. (Mar 2019). Nonparametric conditional density estimation for pooled biomarker data. Oral presentation at the ENAR 2019 Spring Meeting, Philadelphia, PA.

Qi, R., Mou, X., & Cárdenas, D.A. (Jan 2019). Understanding the long-term effects of advertising expenditures. Oral presentation at the 24th Annual Hospitality Graduate Conference, Houston, TX.

Mou, X., Wang, D., & Tebbs, J. (Mar 2018). Nonparametric conditional density estimation based on pooled assessments. Oral presentation at the ENAR 2018 Spring Meeting, Atlanta, GA.

Mou, X. & Tebbs, J. (Mar 2017). Back-end screening using information theory. Oral presentation at the ENAR 2017 Spring Meeting, Washington, DC.

Mou, X. & Tebbs, J. (Mar 2017). Information theory in group testing. Oral presentation at the South Carolina Chapter of American Statistical Association 46th Annual Meeting, Columbia, SC. Outstanding Presentation Award.

GRANT

[Extramural Funding]

Evaluation and characterization of a cohort of adolescents with obesity and the impact on clinical social and financial outcomes

Source: Novo Nordisk

Role: Co-I

PI: Pedro A. Velasquez

1/2021-12/2021

Does epigenetic methylation explain the gender-switch in adolescent asthma?

Source: NIH/NIAID

Role: Co-I

PI: Hongmei Zhang, John W. Holloway

1/2016 - 12/2020

Building a Culture of Health for Urban Children and Families

Source: The Urban Child Institute

Role: Statistician

PI: Lin Zhan

2017 - 2020

[Intramural Funding]

COVID-19 screening using pool testing in Memphis

Community of Research Scholars Grant, University of Memphis

Role: PI

11/2020 - 4/2021

[Resubmitted]

Heterogeneity in epigenetic inheritance and its connection to the intergenerational inheritance of atopic dermatitis

NIAID/NIH

Role: PI

7/2022 - 6/2024

[Submitted but Unfunded]

Heterogeneity in epigenetic inheritance and its connection to the intergenerational inheritance of atopic dermatitis

NIAID/NIH

Role: PI

11/2021 - 10/2023

Back-end Screening Using Information Theory

SPARC Graduate Research Grant, University of South Carolina

Role: PI

5/2017 - 7/2018

TEACHING

[Instructor]

PUBH 8400 – Special Problems: Time Series Spring 2022

PUBH 7152/8152 – Biostatistical Methods II. University of Memphis. Spring 2021, Fall 2021, Spring 2022

PUBH 7150/8150 – Biostatistical Methods I. University of Memphis. Fall 2019, Spring 2020, Fall 2020, Spring 2021

STAT 201 – Elementary Statistics. University of South Carolina. Fall 2017, Spring 2018, Fall 2018

STAT 201 – Elementary Statistics Lab. University of South Carolina. Spring 2017, Fall 2016, Spring 2016, Fall 2015, Spring 2015, Fall 2014

Calculus II. Shandong University. Spring 2011

[Teaching Assistant]

STAT 506 – Introduction to Experimental Design. University of South Carolina. Spring 2017

STAT 519 – Sampling. University of South Carolina. Summer 2016

STAT 100 – Statistics. University of Illinois at Urbana-Champaign. Fall 2012, Spring 2013

HONORS & AWARDS

Outstanding Presentation Award at the South Carolina Chapter of American Statistical Association 46th Annual Meeting, 2017

University of South Carolina Graduate Student Travel Grant, 2017

Department of Statistics Graduate Student Travel Grant, 2017

Best First Year Ph.D. Student in the Department of Statistics at the University of South Carolina, 2015

Excellent Student Scholarship at Shandong University, 2009 & 2010

INDUSTRY EXPERIENCE

Jan 2019 - May 2019 Decision Science Professional Intern, Disney, Orlando, FL, USA

PROFESSIONAL ACTIVITIES

Session Chair, “Measurement Error.” ENAR 2018 Spring Meeting. Atlanta, GA

Journals Reviewed

International Journal of Environmental Research and Public Health, Statistics in Medicine

Memberships

2020 – present American Statistical Association (ASA)