Rui Wang (王瑞)

PHD STUDENT · UW BIOSTATISTICS

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Education

University of Washington — *Seattle, WA, USA*
PHD STUDENT IN BIOSTATISTICS — *2022.9 - present*

- Current RA Advisor: Dr. Fei Gao

Peking University — *Beijing, China*
MS IN EPIDEMIOLOGY AND HEALTH STATISTICS — *2020.9 - 2022.7*

- Advisor: Dr. Xiao-Hua Zhou

Peking University — *Beijing, China*
BS IN ECONOMICS — *2016.9 - 2020.7*

Peking University — *Beijing, China*
BS IN MEDICINE — *2015.9 - 2020.7*

Publications and working papers

PUBLISHED

Ichikawa, K., **Wang, R.**, McClelland, R. L., Manubolu, V. S.,Susarla, S., Lee, D., Pourafkari, L., Fazlalizadeh, H.,Aldana-Bitar, J., Robin, R.;Kinninger, A., Roy, S.K., Post, W.S., Budoff, M. J. (2024) The prognostic value of thoracic aortic calcification comparison with coronary artery calcification. *Heart*.

Barforoshi, S., Manubolu, V. S., **Wang, R.**, McClelland, R. L., Budoff, M. J. (2023). Incremental value of ABI and CAC beyond traditional risk markers in long-term prediction of cardiovascular disease incidence in participants with diabetes and impaired fasting glucose: Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*, 117186.

Wang, R., Wang, J., Hu, T., Zhou, X.-H.(2022). Population-Level Effectiveness of COVID-19 Vaccination Program in the United States: Causal Analysis Based on Structural Nested Mean Model. *Vaccines*.

Deng, Y., Chen, F., Li, Y., Qian, K., **Wang, R.**, Zhou, X.-H. (2021). A powerful test for the maximum treatment effect in thorough QT/QTc studies. *Statistics in Medicine*. 40(8), 1947-1959.

UNDER REVIEW

Joshi, M.A., Manubolu, V. S., Kinninger, A, **Wang, R.**, McClelland, R. L., Roy, R. K., Budoff, M. J.(2024+) Sex Differences in Aortic Arch Calcification with Zero Coronary Artery Calcium. Submitted to *Journal of the American College of Cardiology*.

IN PREP

Wang, R., Zhao, Y., Dukes, O., Zhang, B.(2024+) Nested Instrumental Variables Design: Switcher Average Treatment Effect, Identification, Efficient Estimation and Generalizability

Zhang, B.,De Rosa, S.C., Gilbert, P.B., Wu, J.,**Wang, R.**, McElrath, J.(2024+) Cellular immune correlates of protection in rhesus macaques by four vaccine candidates against SARS-CoV-2

Awards, Fellowships, & Grants

2019 **Merit Student**, Peking University

2017 **Merit Student**, Peking University

2016 **Merit Student**, Peking University

Presentations

INVITED TALKS

April 2024. *Nested Instrumental Variables Design: Switcher Average Treatment Effect, Identification, Efficient Estimation and Generalizability*. Invited talk: Econometrics Workshop, Peking University

CONTRIBUTED PRESENTATIONS

Wang, R.. May 2024. *Nested Instrumental Variables Design: Switcher Average Treatment Effect, Identification, Efficient Estimation and Generalizability.* The 2024 American Causal Inference Conference, Seattle, WA, the USA

Teaching Experience

Fall 2023 **Categorical Data Analysis in Epidemiology**, Teaching Assistant, University of Washington
Spring 2022 **Probability and Statistics**, Teaching Assistant, Peking University
Spring 2021 **Probability and Statistics**, Teaching Assistant, Peking University
Spring 2019 **Special Topics in China Economic Research**, Teaching Assistant, Peking University
Fall 2018 **Intermediate Macroeconomics**, Teaching Assistant, Peking University
Spring 2018 **Economics Field Research**, Teaching Assistant, Peking University