

Curriculum Vitae

1) Personal information

Name: Hao Wu, M.S.

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Personal website: <https://haowu1701.github.io/>

2) Education

- 2023.8-present **Vanderbilt University**

PhD in Biostatistics, under the supervision of Dr. Bryan E. Shepherd and Dr. Jinyuan Liu

- 2021.8-2023.5 **University of Michigan-Ann Arbor**

Master in Biostatistics, under the supervision of Dr. Lu Wang

- 2017.9-2021.7 **China Agricultural University**

Bachelor in Food science and Engineering Minor: Bachelor in Data Science

3) Bibliography and products of scholarship

Methodology publications

1. **H Wu, L Shao, TT Gui, TC Wu, Z Huang, S Tu, XM Tu, J Liu, T Lin.** *Why is Doubly-Robust Estimator for Causal Inference Not Doubly Robust? (Submitted)*

2. **Hao Wu, Chun Li, Bryan E. Shepherd.** *Doubly Robust Estimators of Quantile Treatment Effects With Semiparametric Cumulative Probability Models (Submitted)*

3. **Hao Wu, Tuo Lin, Xin M. Tu, Jinyuan Liu.** *A Simple Augmentation of Weighted Generalized Estimating Equations for Doubly Robust Estimation in Longitudinal Data with Missingness (Submitted)*

Collaboration publications

1. **Yoon AP, Wu H, Chung WT, Wang L, Chung KC.** *Revision Thumb CMC Arthroplasty: Risk Factors and Healthcare Economic Implications. Plast Reconstr Surg.* 2025 Nov 10. doi: 10.1097/PRS.00000000000012592.

2. **J Liu, M Chen, H Wu, H Cai, S Tu, E Lee, X Zhang (2025).** *An effective short form of the 20-item University of California Los Angeles Loneliness Scale version 3: item response theory and network psychometrics. General Psychiatry,* 38 (4).

3. **JN Fahmy, JS Nasser, H Wu, L Wang, KC Chung (2024).** *Impact of Regional Surgeon Competition on Use, Cost, and Outcomes of Breast Reconstruction in the United States. Plastic and Reconstructive Surgery,* 10.1097.

4. **AP Yoon, H Wu, WT Chung, L Wang, KC Chung (2024).** *Comparison of Long-Term Healthcare Cost and Utilisation of Nonoperative and Surgical Management of Thumb CMC Arthritis. The Journal of Hand Surgery (Asian-Pacific Volume),* 29(03).

5. S Dwivedi, MN Cichocki, **H Wu**, CA Kettaneh, L Wang, et al. (2024). *Factors in Hand Surgery Access for Rheumatoid Arthritis Before vs After the Patient Protection and Affordable Care Act.* *JAMA surgery*, 159(4).
6. M Jayaram, **H Wu**, AP Yoon, RL Kane, L Wang, et al. (2023). *Comparison of distal radius fracture outcomes in older adults stratified by chronologic vs physiologic age managed with casting vs surgery.* *JAMA network open*, 6(2).
7. M Ji-kun, Z Nan, **WU Hao**, Z Xiu-qing (2023). *Optimization of ultra-high pressure extraction technology of polysaccharide from Dendrobium officinale and its antioxidant activities.* *Food and Machinery*, 39 (1).
8. Grace Kambach, **Hao Wu**, Keipp Talbot. *Outcomes of adults with COPD hospitalized with laboratory-confirmed influenza (Submitted)*
9. JN Fahmy, JS Nasser, **H Wu**, L Wang, KC Chung. *Use of Postoperative Prophylactic Antibiotics in Breast Surgery: Predictors of Adherence to Evidence-Based Guidelines (Submitted)*
10. Brandee Feola, **Hao Wu**, Jinyuan Liu, Julia M Sheffield. *Contributions of worry and social anxiety to paranoia in clinical and non-clinical samples: cross-sectional and longitudinal results (Submitted)*

Posters and conference proceedings

1. *Short course: Unlocking the Power of Semiparametric Models: A Practical Tutorial for Analyzing Complex Data with Minimum Assumptions, Joint Statistical Meetings (JSM): H Wu, T Lin, X Tu, JY Liu (2025). Augmented Weighted Generalized Estimating Equations of Longitudinal Data with Monotone Missing.*
2. *Conference: American Association of Plastic Surgeons (AAPS) (Poster): JN Fahmy, JS Nasser, **H Wu**, L Wang, KC Chung (2025). Decreasing Antibiotic and Surgical Site Infections in Reconstructive Breast Surgery: Results From a 2015 To 2022 National Evaluation.*
3. *Conference: American Association of Plastic Surgeons (AAPS) (Poster): JN Fahmy, JS Nasser, **H Wu**, L Wang, KC Chung (2024). The Association of Surgeon Density on Breast Reconstruction Access, Outcomes, and Cost in the United States.*

4) Professional Service

2025-present Biostatistics Graduate Student Association: first-year liaison.
Vanderbilt University

2023-present Membership of International Chinese Statistical Association – ICSA

2025-present Membership of American Statistical Association 2025

2025- present Membership of Eastern North American Region