Yuqian Hu

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🎓 Education Background

Central China Normal University, School of Mathematics and Statistics, Wuhan, Hubei

- *D.Sc. in Statistics* : Educational Big Data,Cognitive Diagnosis,CAT.   2025 – now
- *MA.Sc. in Statistics* :Educational Big Data,CD,Cumputer Adaptive Testing.   2022 – 2025
- *B.Sc. in Statistics* :Regression Analysis,Mathematical Statistics,Data Mining.   2017 – 2021

📖 Research Experience

- *RCD: Tackling the Cold-Start Problem by Retrieval-based Cognitive Diagnosis; Yufan Lin,* **Yuqian Hu**[†], *Jinrui Zhang, Wenjing Zhou, and Bo Li; Submitted; 2024*
- *Machine learning in predicting pathological complete response to neoadjuvant chemoradiotherapy in rectal cancer using MRI: a systematic review and meta-analysis;British Journal of Radiology;2024*
- *Optimization of the Q-Matrix in Cognitive Diagnostic Modeling base on DINA: A New Approach Combining Sample Selection and Hypothesis Testing; Bo Li,Yuqian Hu,Yi Tian;Journal of Central China Normal University Natural Sciences;2024*
- *Criminal Investigation Inference Model Based on Knowledge Graph and Weighted Bayesian Mechanism; Bo Li, Yong Zhang,Yuqian Hu*[*];*Mathematical modelling and its applications;2024*
- *An Analysis of Digital Reading Literacy Among Adolescent Students Under Expectancy Theory: A Moderated Chain Mediation Model; Bo Li, Lei Chen,Yuqian Hu*[*]; *Educational Measurement and Evaluation;2024*

👥 Internship / Projects

- **Bayer Healthcare Co., Ltd,**, Wuhan, China,Statistics Advisor   2022.12 – 2024.05
  - *Local Rectal Cancer Meta-Analysis (Published).*

- **Elite Talent Selection Program**,Chaoyang District, Beijing,enginer   2023.10 – 2024.06
  - *Based on the full-cycle data of high school students in Chaoyang District, establish an elite talent selection model, talent prediction, and analysis.*

- **Other Project**, Laboratory, Project Management   2022.09 – 2025.06
  - *Wuhan Public Security Bureau and CCNU Collaborative Research Project (Public Security), Top-tier Discipline Construction Evaluation System in Education (Education), Analysis of Factors Influencing Elderly Pain and Recommendation of Treatment Plans (Medicine), etc..*

🤍 Awards and Honors

- *National Third Prize*, 8th Numerical Mathematics Cup University Student MMC   2023
- *Second Prize in the Central China Region*, 15th Central China Cup University Student MMC   2023
- *First Prize in Hubei Province*, 9th National University Student SMC   2023
- *National Second Prize*, 19th Huawei Cup China Graduate Student MMC   2022
- *National Second Prize*, 8th Teddy Cup Data Mining Challenge   2019
- *First Prize in Hubei Province*, 2019 National University Student MMC   2019
- *Second Prize in the Central China Region*, 12th "Central China Cup" University Student MMC   2018
- *Outstanding Graduate (Undergraduate),Recipient of the 2023 National Postgraduate Scholarship.*

ℹ Other

- Github: https://github.com/wujyuhin
- blog: https://wujyuhin.github.io/blog/   home page: https://wujyuhin.github.io/
- Program: Python,R,matlab   Graph Database: neo4j   CET-6: 492   NCRE(MS office)