Hidde van de Beek

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Work

PhD Pharmacometrics and Statistics (2024-2028)
Leiden University – Leiden Academic Centre for Drug Research (LACDR)
I am currently focused on developing advanced techniques for the analysis of pharmacokinetic and pharmacodynamic data.

- Language: English

Teaching Assistant (2021-2024)
Utrecht University and University Medical Centre Utrecht
I have taught statistics courses at all levels, from beginner to advanced, for the Bachelor's programs in the Faculty of Social Sciences. In the current year, I began teaching statistics for the Bachelor's in biomedical sciences and the Master's in Epidemiology.

Education

MSc Methodology and Statistics for the Behavioural, Biomedical and Social Sciences (2022-2024)
Utrecht University

- Key modules: Biomedical Statistics, Computational Inference with R, Bayesian Statistics, Multilevel Modelling, Causal Inference, Structural Equation Modelling.
- Language: English

BSc Psychology (2018-2022)
Utrecht University

- Minor: Methodology & Statistics and Artificial Intelligence
- Key modules: Mathematics for AI, Missing Data Theory and Causal Effects, Structural Equation Modelling, Adaptive systems, Cognition.
- Language: English/Dutch

Gymnasium - Preparatory Scientific Education (2012-2017)
Utrechts Stedelijk Gymnasium

- Main program: Natural Sciences (Physics, Chemistry, Biology, Math)
- Honourable participation in the National Physics Olympiad
- Language: Dutch

Research Experience

Master's Project:
My thesis, titled "Decoding Predictive Performance: A Simulation Study on Information Criteria vs. Internal Performance Measures," focused on comparing the predictive performance of Information Criteria and Internal Validation Techniques of medical prediction models in various simulated contexts.
- Supervision team: Dr. Maarten van Smeden and Dr. Anne de Hond.
- Rewarded an 8/10

Bachelor's Project:
My thesis, titled "The Difference in Populational Statistics and Physical Activity of Consumer-Grade Fitness Tracker Owners: An Explorative Study into the Usability for Physical Activity Monitoring," was a follow-up to the work of my supervisor, Dr. Vera Toepoel. We collaborated with the Central Bureau of Statistics Netherlands (CBS).
- Rewarded an 8/10.

Additional Experience

Rower - Student athlete (2018-2024)
U.S.R. "Triton"
I trained 10-12 times a week, both at high-performance centers in Utrecht and at the Bosbaan in Amsterdam. During this time, I held a Regional Talent status and competed in several National Championships and prestigious regattas, including the Henley Royal Regatta in the Temple 8+ category. Balancing full-time studies with elite-level training was a continuous process of overcoming challenges, learning, and achieving success. These experiences have greatly contributed to my personal development.

Coach (2019-present)
U.S.R. "Triton"
Since 2019, I have coached rowers of various experience levels, focusing on skill development, performance enhancement, and creating good teamwork dynamics. Coaching at Triton has been a rewarding experience, allowing me to help others reach their full potential.