

Hubert Drazkowski

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Education

2020–2023 **M.Sc. in Mathematics: Mathematical Statistics and Data Analysis**,
Warsaw University of Technology

- Thesis: *Sponsored content in contextual multi-armed bandit*
- Final grade: 4.77/5, (5/5), summa cum laude
- GPA: 4.62/5
- Dean's award for top students
- Ministry of Higher Education award for academic excellence

2017–2020 **B.A. in Quantitative Methods in Economics and Information Systems**,
SGH Warsaw School of Economics

- Thesis: *Notion of realized volatility. Comparison of HAR-RV and rGARCH models*
- Final grade: 4.68/5, (5/5)
- GPA: 4.38/5; major GPA: 4.67/5
- Dean's award for top students

Research experience

06/2021–06/2024 **Research assistant at FAME|GRAPE**, *EquAI in Reaching Aspirations - Norway Grants and National Science Center Poland*

- Statistical analysis, econometrics, writing papers from social science, presenting research at conferences, popularizing science

06/2023–10/2023 **Student researcher at Warsaw University of Technology**, *Cyber Summer @WUT-3*

- Summer internship, program for 10 university students, working on a paper: *Authoritarian Sponsor model. Deconfounding TNAR case*

09/2020–06/2021 **Student researcher at Warsaw School of Economics**, *Young Scientist SGH*

- Academic year internship, program for 9 students from the university, working on a paper: *Simulation comparison of multiple imputation methods for nominal data*

Awards

- **Ministry of Higher Education award for academic excellence in 2021/2022**
Awarded the prize for 18 students from the field of mathematics from all Polish universities among 414 students from all disciplines
- **Dean's list award at Warsaw University of Technology**
Awarded for being academic-wise at least in the 92 quantile in the program
- **Dean's list award at Warsaw School of Economics**
Awarded twice for being GPA-wise at least in the 90 quantile in the program
- **BNY Mellon Science Master's Thesis Competition award**
Top 3 placement in national Master's thesis competition, for the thesis defended in 2022/2023 in the field of applied mathematics

Publications

- 2024 **with Tyrowicz, J. and Zalas, S.: Gender board diversity across Europe throughout four decades**, *Nature Scientific Data*, DOI:10.1038/s41597-024-03181-8
- 2023 **with Zalas, S.: The evolution of labor share in Poland. New evidence from firm-level data**, in *Gospodarka Narodowa*, DOI:10.33119/GN/170227
- 2022 **Simulation comparison of multiple imputation methods for nominal data**, in *Contemporary economic challenges in the analyzes of the participants of the Young Scientist program at SGH*, ISBN 978-83-8030-550-2
- 2021 **Dimensions of sanctions success. On the quest of measuring effectiveness**, in *Political Economy in theory and practice. Anthology of students' articles*, ISBN 978-83-8030-462-8

Conferences

- 2024 **RES 2024: Royal Economic Society Annual Conference**, *Royal Economic Society*, Gender board diversity spillovers and the public eye, Poster
- 2024 **COPE 2024: Colloquium on Personnel Economics**, *University of Zurich, COPE*, Token women: are there spillovers from gender board diversity?, Oral
- 2023 **MIUE 2023: XIII Conference on use of mathematics and information science in economics research**, *Poznan University and Statistics Poland*, Authoritarian Sponsor model. Deconfounding TNAR case, Oral
- 2023 **ASSA 2023**, *American Economic Association*, Token Women: Supervisory and Management Boards, Oral
- 2022 **MIUE 2022: XII Conference on use of mathematics and information science in economics research**, *Poznan University and Statistics Poland*, Gender diversity spillovers between boards, Oral
- 2021 **DwuMIan**, *Warsaw University of Technology and Warsaw University*, Simulation comparison of multiple imputation methods for nominal data, Oral

Work in progress

Gender Board Diversity Spillovers and the Public Eye, *submitted*

Implicit Gender Quota in Boardrooms, *submitted*

Gender Tokenism in Corporate Boardrooms in Europe, *submitted*

Gender Board Diversity Spillovers Through Ownership Network, 

Sponsored content bandits, 

Authoritarian Sponsor model. Deconfounding TNAR case, 

Programming

- **Python**: e.g., scikit-learn, TensorFlow 2.0, pandas, NumPy, JAX, PyTorch, pyMC, networkX, dill; contextual bandits simulation, fuzzy data analysis, ML classification and regression models, deep learning, clustering, text mining, networks, explainability
- **R**: e.g., Tidyverse, caret, survival, glmnet, mice; financial time series, covariance estimation, data imputation, econometrics, survival analysis, econometrics
- **STATA**: e.g., panel data, network regression
- **SQL**: e.g., normalization, queries, transactions
- **LATEX**: beamer, articles, posters
- **Git**: working proficiency

Hackathons

- **Lion's Den ING Risk Modelling Challenge 2024**
3rd place in data science and presentation competition; working in a team of 3 people. It was a 2 days competition for students and early graduates from all Polish universities.
- **Warsaw Econometric Challenge 2022**
3rd place paper wise and 2nd place prediction accuracy wise out of 28 university teams from Poland. It was a 24 hours coding and paper writing data science contest in a 4 people team at most at a PhD program.




Languages

- **Polish**: Native
- **English**: C2 (advanced)
2016 CAE: 199/210
2023 TOEFL: 110/120
- **Spanish**: B2 (intermediate)
2019 Business Spanish: B2

Other work experience

- 08/2020–07/2021 **Actuarial intern**, *Aviva Global Service Center*, VaR validation, automating reporting in VBA
- 10/2019–01/2020 **Economics tutor**, *Edufactory*, Tutoring microeconomics and macroeconomics to undergraduate students

References

- **Prof. Szymon Jaroszewicz** 
Warsaw University of Technology, IPIPAN
s.jaroszewicz@ipipan.waw.pl
Master's thesis supervisor, advisor in a student grant, class instructor
- **Prof. Joanna Tyrowicz** 
FAME|GRAPE, University of Warsaw, University of Regensburg, IZA, RCEA
j.tyrowicz@grape.org.pl
Supervisor in a grant
- **Prof. Katarzyna Bien-Barkowska** 
SGH Warsaw School of Economics
kbien1@sgh.waw.pl
Bachelor's thesis supervisor, class instructor