

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– **Research assistant at FAME|GRAPE, EARHART**

- Statistical analysis, co-authoring papers from social science, popularizing science;

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

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

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

- 2023 **The evolution of labor share in Poland. New evidence from firm-level data**, in *Gospodarka Narodowa*, DOI: <https://doi.org/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

- 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
- 2023 **ASSA 2023**, *American Economic Association*, Token Women: Supervisory and Management Boards
- 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
- 2021 **DwuMIan**, *Warsaw University of Technology and Warsaw University*, Simulation comparison of multiple imputation methods for nominal data

Work in progress

- Gender board diversity across Europe throughout four decades**, 
- Spillovers in gender board diversity and the public eye**, 
- Gender diversity spillovers through ownership network**, 
- Authoritarian Sponsor model. Deconfounding TNAR case**, 
- Sponsored content bandits**, 

Programming

- **Python**
scikit-learn, TensorFlow 2.0, pandas, NumPy; contextual bandits simulation, fuzzy data analysis, ML classification and regression models, deep learning, clustering, text mining
- **R**
Tidyverse, caret, survival, glmnet; financial time series, covariance estimation, data imputation, econometrics, survival analysis
- **STATA**
panel data, network regression
- **SQL**
normalization, queries, transactions
- **LATEX**
beamer, articles, posters

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
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Supervisor in a grant
- **Prof. Katarzyna Bien-Barkowska** 
SGH Warsaw School of Economics
kbien1@sgh.waw.pl
Bachelor's thesis supervisor, class instructor