MARCELL GRANAT

Currently working as a researcher and participating in PhD programme

Motivated and responsible Data Analyst with significant experience in increasing comprehension of reports, studies and presentations. Beside my studies at the University I took part actively in research and teaching projects. Thanks to lecturing statistical courses for years, I am confident in any conventional or innovative Data Analysis project, like standard econometrics or natural language processing.

💼 PROFESSIONAL EXPERIENCE

2022 February -

Research and Education Expert (Current position)
Central Bank of Hungary MNB 📍 Budapest
• Academic research papers in financial econometrics.

2022 August -

Teaching Assistant (Current position)
John von Neumann University 📍 Kecskemét
(part-time)

• Academic research papers in econometrics and statistical modeling.
• Subject manager of Big Data & Data Visualisation course
• Lecturer
• TDK (Student Scientific Conference) secretary

2022 January | 2022 May

Professional Proofreader
Makronóm Institute 📍 Budapest
(part-time)

• Approval and improvement of professional data analyses about current economic topics (e.g. Energy crisis, Tourism)

2021 May | 2022 January

Data Analyst
Makronóm Institute 📍 Budapest
• Instant data analyses for the Ministry of Innovation.
• Wrote Shiny (R) app demos.
• Converted statistical tutorials from STATA to R language.

My job included empirical analysis, managing a financial measure databases (CREFO, ORBIS), and developing related applications (Shiny). Two major projects took place with the contribution of my work: Sector 1000 (managing and analyzing *interviews* with company managers) and Inclusive Growth Index (*Structural Equations Modelling* and *factor analyzing*).

CONTACT INFO

✉ E-mail
🌐 Website
⃝ GitHub
in LinkedIn

For more information, please contact me via email.

SKILLS

Experienced in statistical analysis, econometrics, machine learning, economics and research.

Full experience with **R and Python programming**. Intermediate level in Julia.

Highly skilled in PowerPoint, Excel and VBA

🎓 EDUCATION

2022 - • **Eötvös Loránd University**
PhD in Economics 📍 Budapest

Research field: Asset pricing and inflation forecast (FaVAR)

2022 • **Corvinus University of Budapest**
MSc in Economic Analysis 📍 Budapest

Thesis: Empirical analysis of Hungarian Household Consumption:
Application of Multivariate Adaptive Regression Splines

2020 • **Corvinus University of Budapest**
BSc in Applied Economics 📍 Budapest

Thesis: The relationship among fertility rate, gross output per capita and
unemployment (panel models, VAR models)

👨‍🏫 TEACHING EXPERIENCE

2023 • **Big Data and Data Visualisation**
Lecturing master students for R programming and statics. Website
are available.
📍 John von Neumann University

2020-2022 • **Data Analysis**
Instructor of R, data visualization and statistics for foreign master
students. Coursebook available.
📍 Corvinus

2019-2021 • **Econometrics**
Teaching cross-section econometrics and R basics for undergraduate
students.
📍 Corvinus

2019-2021 • **Statistics**
Teaching descriptive statistics and inferential statistics for
undergraduate students.
📍 Corvinus

2017-2022 • **History and civics**
Voluntery teaching high schools students through Studium Generale
student organization.
📍 Corvinus

💻 RESEARCH EXPERIENCE

2022 • **Expect the unexpected: Did the equity markets anticipate
the Russo-Ukrainian war?**
Finance Research Letters

2023 — **Digitalisation and business performance - focusing on Hungarian manufacturing firms**
Economic Review

2022 — **Media Attention to Environmental Issues and ESG Investing**
Financial and Economic Review

2021 — **Empirical investigation of the recession forecasting ability of European yield curves**
Best paper award at Corvinus Scientific Student Conference.
Currently in press at Financial and Economic Review.

🎗 AWARDS

2023 — **Winners of the global data science competition organised by Whiteshield.**
Our public GitHub repository is available.   📍 Dubai

2023 — **2nd place at Quant Challenge organised by Morgan Stanley.**
Essay, slide and codes are available.

2022 — **Winners of the data science competition organised by Hungarian Statistical Office.**
TV interview available.

2018-2022 — **5x Winner at Corvinus Scientific Student Conference.**
Some of the winning papers (others are in publication process in academic journals, thus I did not make them public):
An Analysis of Customer Reviews of the Airbnb online platform (English)

Empirical investigation of the recession forecasting ability of European yield curves (Hungarian)

2021 — **Special award at National Scientific Student Conference**
The trend of fertility rates and the related soci-economic changes in Hungary

2020 — **Winner of the New Future scienctif research competition (Demography Section) organised by the National Bank of Hungary**
The relationship between the fertility rate and gross output per capita and unemployment

Last updated on 2023-09-06.