

# 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**  
Voluntary 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.



## AWARDS

- 2023 ● **Winners of the global data science competition organised by Whiteshield.**  
Our public [GitHub repository](#) is 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 scientific research competition (Demography Section) organised by the National Bank of Hungary**  
[The relationship between the fertility rate and gross output per capita and unemployment](#)

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