

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
• Academic research papers in financial econometrics.
• Took part at national and international conferences.

Budapest
- 2022
August -

Teaching Assistant (Current position)
John von Neumann University
(part-time)
• Academic research papers in econometrics and statistical modeling.
• Subject manager of Big Data course
• Lecturer

Kecskemét
- 2022
January
|
2022
May

Professional Proofreader
Makronóm Institute
(part-time)
• Approval and improvement of professional data analyses about current economic topics (e.g. Energy crisis, Tourism)

Budapest
- 2021
May
|
2022
January

Data Analyst
Makronóm Institute
• 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*).

Budapest



CONTACT INFO

- [E-mail](#)
- [Website](#)
- [GitHub](#)
- [LinkedIn](#)
- [Medium](#)

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**.

Last updated on 2023-01-30.
Highly skilled in Microsoft Excel, 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. [Slides](#) 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

- 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](#)
- 2022 ● **Expect the unexpected: Did the equity markets anticipate the Russo-Ukrainian war?**
[Annual Financial Market Liquidity Conference](#)
- 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](#)