Dániel Kofrán

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Professional Summary

Quantitative analyst and novice data scientist with 2.5 years' experience working on big data projects, with a focus on building and enhancing data-driven anti-corruption tools and measurement practices. Skilled in multiple programming languages, with a proven track record of building and enhancing models using machine learning and econometric methods. Currently obsessed with and exploring the use of AI agent-based workflows.

Experience

Quantitative Analyst   *Budapest, Hungary*
Government Transparency Institute (GTI)   *November 2022 – Present*

- Streamlined and upgraded the calculation of the Corruption Risk Index (CRI), a data-driven anticorruption tool created by GTI and used by international organisations such as the World Bank. Reduced the time needed by more than 80% by implementing a function-based approach.
- Was a lead analyst on international projects focusing on assessing data quality and tailoring the Government Risk Assessment System working with multiple national government partners (e.g., Indonesia and South Africa).
- Successfully delivered quantitative analysis in 10+ major projects using advanced ecometric and machine learning (ML) tools such as coersed exact matching (CEM), logistic regressions with clustered standard errors (cse) and the event study (ES) method on unbalanced panel data.

Lecturer   *Budapest, Hungary*
Rajk College for Advanced Studies   *Jan 2023 – Jul 2024*

- Taught Introduction to Econometrics and Data Analysis and Advanced Econometrics and Data Analysis.
- Was entrusted to be a teaching assistant 1.5 years prior to being recalled as a lecturer.

Education

Corvinus University of Budapest   *Sept 2020 – Jun 2022*
MSc in Economic Analysis

- **GPA:** 4.9/5.0 - Graduated with Excellence
- **Specialisation:** Industrial Organization Analyst
- **Coursework:** Machine Learning in Economics (R), Financial Algorithms (Python), Causal Data Analysis (Stata), Mechanism Design in Matching Markets

Corvinus University of Budapest   *Sept 2017 – Jun 2020*
BA in Applied Economics

- **Main focus** on econometrics, introductory level programming (R, Stata)

Rajk College for Advanced Studies   *Jun 2018 – Jun 2023*
Diploma

- **About:** Rajk is an educational institution providing students with exceptional educational opportunities.
- **Graduated with Excellence**
- **Coursework:** Casual forests (taught by Susan Athey, Stanford), Advanced Programming I. & II. (Python), Machine Learning (Python), Network Science (R), Text Mining (R), Data Visualization (Tableau)

Awards

Heller Farkas Award for Academic Excellence   *Jul 2023*

- Issued by Rajk College for Advanced Studies, given to individuals demonstrating outstanding professional performance and academic excellence.