Dániel Kofrán

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Professional Summary

Aspiring 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 looking for a new challenge to deepen data science related skills.

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 anti-corruption tool created by GTI and used by international organisations such as the World Bank. Reduced time needed by 80% by implementing a funciton-based approached, on track to become a standalone R package.
- Was a lead analyst on international projects focusing on assessing data quality and tailoring the Government Risk Assessment System working with 2 national government partners (Indonesia and South Africa).
- Successfully delivered quantitative analysis in 7 major projects using advancded machiene learning (ML) and econemtric tools such as Coersed exact matching (CEM), logistic regressions with clustered standard errors (cse), 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.

Teaching Assistant   *Budapest, Hungary*
Rajk College for Advanced Studies   *Sep 2021 – Jan 2023*

- Assisted in teaching Introduction to Econometrics and Data Analysis, Advanced Econometrics and Data Analysis and Experimental Methods

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

- Graduated with Excellence
- **About:** Rajk is an educational institution providing students with exceptional educational opportunities.
- **Coursework:** Casual forests (the intersection of machine learning (ML) and causal data analysis, taught by Susan Athey, UCLA), Advanced Programming I. & II. (Python), Machine Learning (Python), Network Science (R), Text Mining (R), Data Visualization (Tableau)