Artúr Ferenc Velkey

Economist, data scientist
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Professional Experience

Data Scientist · Wizz Air (contracted via Nextent) · Sep 2023 – present

- Translating business needs into analytical questions and models. I manage projects independently from problem definition to deployment and work closely with business decision-makers throughout.
- Tools: Python, SQL, Databricks, Git, Streamlit

Research Assistant · Central European University (CEU) · Jun 2022 – Jul 2023

- Studied supplier choice among Hungarian firms in an international research project led by Attila Lindner (UCL), Balázs Muraközy (University of Liverpool) and Ádám Szeidl (CEU).
- Empirical analysis of the factors that drive supplier choice, using Hungarian Tax Authority (NAV) and administrative data.
- Tools: R, Stata

Methods and Technical Skills

Methods: demand estimation and forecasting, cross-sectional and time-series econometrics, causal inference, elasticity and substitution analysis, pricing, machine learning, spatial data analysis, experimental design
Tools: Python, SQL, R, Stata, Databricks, Git, Streamlit

Education

PhD, Doctoral School of Economics · Corvinus University of Budapest · 2026 –

- Research area: urban economics

MSc in Economic Analysis, Microeconomics specialization · Corvinus University of Budapest · 2020 – 2022

- Thesis: intertemporal substitution in Spanish high-speed rail ticket sales; estimating spatial cross-price elasticities and substitution effects from demand data

Rajk College for Advanced Studies · 2018 – 2023

- Courses: Transport Economics, Causal Inference, Econometrics I–II, Network Science, Machine Learning, Political Economy, Data Analysis for Corporate Competitiveness, Applied Data-Driven Algorithms, Theory of Algorithms
- Masterclasses: Raj Chetty (Harvard, 2023) – administrative data and policy evaluation; John A. List (University of Chicago, 2022) – experimental design and field experiments; Matthew Gentzkow (Stanford, 2022) – NLP methods and spatial data analysis; Susan Athey (Stanford, 2019) – advanced machine learning methods and applied econometrics
- Positions: Student Committee member (2020), Secretary (2022), Admissions Committee member (2023)