



Indrek Seppo

DATA SCIENTIST, ENTREPRENEUR, LECTURER

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*In depth knowledge from **applied econometrics** to **state of the art neural network models**. Experienced in teaching data science from the very beginners up to graduate students.*

Lecturing and training

University of Tartu, Taltech, Estonian Business School

Tartu and Tallinn, Estonia

COURSES GIVEN AT THE UNIVERSITIES

2014 –

- master-level courses at University of Tartu, Faculty of Economics and Business Administration: “Multidimensional statistics” (2 EAP, 2014 – 2016; in Estonian), “Introduction to R” (3 EAP, 2016 – ...; In English) and “Data Munging, Visualisation and Communication” (6 EAP, 2017 – ...; In English). The courses have always had one of the best student feedbacks in the faculty.
- “Introduction to R” (2018 – ...; in English) at Taltech for the masters and PhD students.
- “Data analysis and visualisation” (6EAP, 2020; in English) graduate level course at Estonian Business School, half of the course

Estonian Center of Applied Research CentAR

Tallinn, Estonia

ADULT TRAINING

2014 –

- More than 20 three and four-days comprehensive intensive courses on data science using R.
- Tens of thematic lectures in statistics and data science, including lectures introducing modern understanding of statistical thinking “Uncertainty, statistical relationships and causality”, and lectures introducing specific methods “Regression analysis”, “Differences in differences and regression discontinuity” and “Causal inference”

Data-science related activities in private sector

Marduk Technologies

Tallinn, Estonia

CO-FOUNDER, CEO (UNTIL JAN 2021), DATA SCIENTIST

2016 – 2021

- Marduk Technologies is a technology development startup concentrating on applying modern machine learning methods for the needs of defense, security and borderguard sectors.
- Real time discovery and classification of flying objects (drone/bird/plane/chopper) for the new generation counter-UAV product Marduk Shark.
- Machine vision application helping in discovering lost people from the drones

Estonian Center of Applied Research Centar

Tallinn, Estonia

ECONOMIST, ECONOMETRICIAN, LECTURER

2008 – (since 2016 adjunct)

- Centar is one of the leading economic analysis houses in Estonia, specializing in complex data analysis, economic modelling and cost-benefit studies for public and private sector.
- Methodological design and realisation of a number of advanced data analysis projects for the government sector, including working with and joining different national registers, proposing and piloting statistical views provided by the state.
- Socio-economic cost benefit analysis for large scale infrastructure projects (e.g. renovation of Tallinn-Tartu railway, EstFor wood refinement factory).
- Consulting ministries and the analysis departments of state authorities in a number of either large scale or advanced projects.

Data-science related activities in public sector

e-Residency

Tallinn, Estonia

BUSINESS INTELLIGENCE ANALYST

2021 – ...

- Building up the data acquisition, analysis and presentation pipeline in e-Residency. Converting raw data to actionable knowledge.

Education

University of Tartu, faculty of Economics and Business Administration

Tartu, Estonia

PHD STUDIES, ECONOMICS

2008 –

- participation in scientific projects, analysis of the unified data of Business registrer, Tax office data and national register.

University of Tartu, faculty of Economics and Business Administration

Tartu, Estonia

MASTERS DEGREE, ECONOMICS AND MARKETING

1996 – 2005

Kiel Institute for the World Economy

KIEL ADVANCED STUDIES PROGRAM IN INTERNATIONAL ECONOMIC POLICY RESEARCH

Kiel, Germany

2010-2011

- Intensive PhD courses in economics and econometrics from ten top scientist (MIT, Harvard, UC Davies, Chicago etc).