Theo Blauberg

Profile

I am a professional with a advanced degree in Economics, and a nearly finished one in Data Science from the University of Helsinki. I have specialized in machine learning methods, particularly Bayesian ones, and also have experience in econometrics, statistics, and mathematics. I'm proficient in R, Python, and SQL, and have worked extensively on building and maintaining data pipelines, creating machine learning models, and informative data visualization.

Contact

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Education

Master's Program in Data Science
University of Helsinki

09/2021 -

- **Major:** Data Science
- Specializing in machine learning methods, with a particular emphasis on Bayesian methods.

Master's Program in Economics
University of Helsinki

09/2020 − 12/2022

- **Major:** Economics
- **Minors:** Statistics, Mathematics, Computer Science
- **Master's Thesis:** Impact of Policy Shocks in the EU Emissions Trading System on Finland.

Exchange Program
Fudan University, Shanghai

09/2018 − 06/2019

Studied Chinese language, politics, and economics, and their implications for other East Asian countries.

Language Course
University of Vienna

09/2015 − 12/2015

Strengthened German language skills through a language course.

Certifications

- **DataCamp** Deep Learning in Python
- **NVIDIA:** Fundamentals of Deep Learning

- **NVIDIA:** Fundamentals of Accelerated Computing with CUDA Python
- **DataCamp:** Data Scientist with R
- **DataCamp:** Data Visualization with R

Work Experience

Data Analyst (GFCP Expert)
Nordea

06/2023 -
- Collaborated within a team responsible for building, maintaining, and monitoring models that deliver real-time stopping power for card and account-to-account transactions.
- Developed and maintained an internal R package to facilitate data analysis and visualization. Additionally, spearheaded the establishment of a Data & Analytics community within the department.

Data Analyst
VATT Data Room

08/2022 – 07/2023
- I was responsible for conducting analyses and co-authoring reports on electricity market data, with a particular focus on consumer and company responses to price shocks.
- Designed and developed a Shiny app-based web page to showcase research results, enabling interactive data visualization and enhancing the communication of findings to stakeholders.

Project Worker
City of Tampere

05/2022 – 08/2022
- I was responsible for data analysis in a joint research project by the City of Tampere, the University of Helsinki, and VATT. Responsibilities included preparing raw data for researchers and integrating external data sources. The data was then further utilized in a working paper.

Intern
Embassy of Finland in Vienna

05/2021 – 08/2021
- Monitored and reported on the Austrian economic situation as part of my role at the Finnish Embassy, delivering valuable insights into economic trends and developments to inform policy decisions for the Finnish Government.
- Attended and provided detailed reports on meetings with UN organizations and local politicians, ensuring comprehensive coverage of diplomatic and political engagements.

Side projects

Petanque liga website

- Latest side project is a Petanque Liga website which generates a match schedule, and stores the results of the games. The back-end is powered by a Google Sheet, enabling seamless input from multiple devices while ensuring consistent data display across all platforms.

ASCII Art generator
- Currently developing a Julia package, ImagesToAscii.jl, which converts .jpg and .png images into ASCII art. As part of this side project, I deepened my understanding of matrix operations and image processing.

Positions of Responsibility

Vote Counter
Authorized by the group of Western countries to serve as a vote counter in the Secretary-General Election of the United Nations Industrial Development Organization.

Board Member
Actively served as a board member of the Economics Students' Association, contributing to the organization's strategic planning and activities.