NIKODEM LEWANDOWSKI

Data Scientist | Academic Researcher

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PROFESSIONAL SUMMARY

Detail-oriented data scientist with expertise in data wrangling, visualization, Bayesian modeling, and machine learning. Skilled in statistical analysis and reproducible research practices. Effective communicator with experience in teaching, academic writing, and technical documentation. Track record of success in both academic and industry settings.

AREAS OF EXPERTISE

Data Wrangling - Data Visualization - Bayesian Modeling - Machine Learning - Statistical Analysis - Reproducible Research - Teaching and Instruction - Academic Writing - Dashboard Development - Version Control - Technical Documentation - Exploratory Data Analysis - Data Cleaning - Predictive Modeling - Problem Solving - Critical Thinking

EXPERIENCE

University of Gdansk October 2023 - Present
Junior Researcher *Gdansk, Poland*

- Instructing lectures and tutorials on Bayesian methodology, specializing in Bayesian model building in R (course: 'Criminological Research Methods).
- Contributing to the Polish National Centre of Science (NCN) project *Reconceptualization of probabilism in legal contexts*, undertaking tasks such as proofreading, computational analysis using R-markdown and Python notebooks, and document formatting in LaTeX.
- Proficient in academic teaching in English, ensuring effective communication and understanding across diverse student groups.
- Conducting courses on data visualization in R for students of Journalism, and teaching 'Semiotics and General Methodology' to philosophy students.

Basis AI December 2023 - January 2024
Cotractor *Remotely*

- Served as a contributor within the data analysis team for the development of Polis, a sophisticated tool facilitating the computation of jurisdictional similarities based on customizable metrics like GDP trends and income distribution. Developed for the The Opportunity Project (TOP) 2023 in collaboration with the U.S. Department of Commerce.
- Leveraged Python programming extensively to manipulate and analyze datasets, thereby playing a key role in the tool's development process.
- Conducted code reviews, authored comprehensive tutorials, and developed and implemented essential functions required for the seamless operation of the program, demonstrating proficiency in algorithmic design and problem-solving skills.

Basis AI October 2023 - December 2023
Internship *Remotely*

- Gained hands-on experience in data science and analytics through my involvement in the TOP Sprint project.

University of Gdansk October 2022 - September 2023
Teaching and Research Assistant *Gdansk, Poland*

- Gained experience in creating materials and co-running courses for students of criminology, journalism, and philosophy (mostly in English).

- Conducted proofreading and editorial work using R, Python, and Markdown for the NCN project.

TECHNICAL SKILLS

Languages	R, Python
ML Libraries	scikit-learn, Pyro, NumPyro, Rethinking
Databases	MS SQL
Reproducibility	Markdown, Shiny, LaTeX
Tools	Git, Linux

PROJECTS

Bayesian Modeling of HIV Risk Factors

- This project challenges the stereotype associating HIV infection primarily with non-heteronormative males. Utilizing Bayesian logistic regression models and risk profile analysis, I revealed that risky behaviors, rather than sexual identity or gender, are the primary drivers of HIV infection.
- Implemented in Python, this project leverages a variety of libraries, with a focus on NumPyro for model development.

Cohabitation and Divorce

- This project analyzes the NSFG dataset (National Survey of Family and Growth) to investigate the influence of premarital cohabitation on the probability of divorce. The analysis challenges the common belief that partners who cohabited before marriage are more prone to divorce.
- Developed in R, this project utilizes standard libraries along with the Rethinking package, facilitating the construction of Bayesian statistical models.

EDUCATION

University of Gdansk 2021-2023
MA in Philosophy *Gdansk, Poland*

Higher School of Banking in Gdansk 2021-2022
Data Science Degree *Gdansk, Poland*

University of Gdansk 2018-2021
BA in Philosophy *Gdansk, Poland*

LANGUAGES

- Polish | Native
- English | TOEFL iBT 101