LENNERT JANSEN

MSc Student Artificial Intelligence &
MSc Econometrics

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EDUCATION

MSc in Artificial Intelligence

University of Amsterdam

Sep 2019 – Present Amsterdam, the Netherlands

- Current GPA: 8.3 / 10.0
- Courses in Machine Learning, Deep Learning, Reinforcement Learning, Natural Language Processing, and Information Retrieval.

MSc in Econometrics

Erasmus University Rotterdam

Sep 2018 – April 2020 Rotterdam, the Netherlands

- GPA: 8.2 / 10.0
- Courses in Advanced Econometrics, Bayesian Statistics, Machine Learning, Computer Science and Quantitative Marketing
- Thesis on algorithmic fairness and bias mitigation in recidivism prediction. Grade: 8.8 / 10.0.

BSc in Econometrics & Operations Research

University of Amsterdam

Sep 2014 – June 2018 Amsterdam, the Netherlands

- GPA: 7.3 / 10.0
- Thesis on neural network training using differential evolution, with applications in forecasting the 2016 US presidential elections. Grade: 8.5 / 10.0.
- Thesis was published in online journal of university's Econometrics study association

Pre-University Education (Dutch: VWO)

Peter Stuyvesant College

Aug 2007 – May 2013 Willemstad, Curaçao

GPA: 7.7 / 10.0

EXPERIENCE

Student data scientist

Adyen

Jan 2020 – Aug 2020 Amsterdam, the Netherlands

- Helped data scientists improve models for anti-money laundering detection.
- Set up and developed a foreign exchange benchmarking tool to optimize pricing strategies using Python and the Oanda API.

Research Intern

IBM

April 2019 – Sep 2019 Amsterdam, NL

- Researched methods for detection and correction of unfair racial and gender biases in Machine Learning-guided criminal risk assessment tools.

Student data scientist

Delph Business Intelligence

Oct 2016 – May 2017 Amsterdam, NL

- Gained work experience in entry-level data analysis in R and Excel

Lecturer in Mathematics and Statistics

WeTeach

Feb 2015 – Jul 2017 Amsterdam, NL

- Prepared and conducted 4-to-7 hour tutoring sessions covering bachelor-level statistics and mathematics material at VU (Free University) Amsterdam and Utrecht University

PROJECTS

Robust interpretability of self-explaining neural networks

- We used relevance score redefinitions to improve reliability and intelligibility of Self-Explaining Neural Networks on the COMPAS dataset.
- **Tools:** Python/PyTorch

Churn rate modelling using customer lifetime value for retail banking

- Used three-step logit regression, AIC variable selection, and Random Forests to predict customer lifetime value on empirical retail banking dataset.
- **Tools:** R/R-studio

Data-driven consultancy project for EYE Film-museum

- We developed a dynamic inventory model for a local museum's gift shop, based on visitor data.
- **Tools:** R, Excel and STATA
- **Role:** Team lead

LANGUAGES & SKILLS

- **Native:** Dutch, English, Papiamentu
- **Conversational:** Spanish
- **Beginner:** Portuguese, German

- **Advanced:** Python, R/R-studio, MATLAB, STATA
- **Intermediate:** JavaScript, Excel
- **Basic:** C/C++, SQL