

Louis Gehringer

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About Me

Portfolio: <https://louexes.github.io/>

Languages: German (Native), English (Native), French (Basic), Arabic (Basic).

Technical: Python, R, SQL, OOP, Machine Learning, Data Visualization, Databases, Scikit-Learn, Tensorflow, Keras.

Education

Bsc Econometrics and Data Science, University of Amsterdam

2021-2024

Amsterdam, Netherlands

- Specialized in Data Science.
- Quantitative degree program with an emphasis on Statistics, Mathematics and Computer Science.
- Developed proficiency in Object Oriented Programming in Python as well as Data Structures and Algorithms.
- Relevant Modules: Statistical Learning, Reinforcement Learning, Time Series Analysis, Multivariate Analysis, Real Analysis, Optimization, Data Structures and Algorithms in Python.

Bsc Economics and Business Economics, Erasmus University Rotterdam (First Year Completed)

2020-2021

Rotterdam, Netherlands

- Relevant Modules: Behavioural Economics, Mathematics & Game Theory, Intro to Data Analysis, Accounting
- Invitation to Bachelors Honours Class after First Semester.

International Baccalaureate Diploma, Raha International School (Points: 37, Top ~5% worldwide)

2018-2020

Abu Dhabi, United Arab Emirates

- Higher Level: Business Management, Biology, English Literature.
- Standard Level: Mathematics, French, Economics.
- Wrote 3000 word essay on propagating plant colonies on Mars, awarded Grade B.

Work Experience

Academic Tutor, FBSB

2022-2024

Amsterdam, Netherlands

- Facilitated intensive one-on-one tutoring for students of the BSc Econometrics and Data Science, BSc Actuarial Science and BSc Business Analytics covering coursework in Mathematics, Statistics and Econometrics.
- Wrote full course summary for the course Mathematics 1: Calculus.

Assistant Coach, ISM Sports UAE

2017-2019

Abu Dhabi, United Arab Emirates

- Instructed tennis clinics involving students of various ages during weekly sessions, winter camps and summer camps.

Volunteering

Event Lead, UvA Google Student Developer Club

2023-Present

Amsterdam, Netherlands

- Responsible for organizing various educational events in the tech domain such as Hackathons, Coding Workshops, Guest Speaker Events and In House Days for students from all educational backgrounds.

Data Analyst, Analytics Academy

2023-2024

Amsterdam, Netherlands

- In a team with three other students, developed a Google Looker Studio dashboard to display website analytics for Dutch non-profit organization paxvorvreede.
- Processed donation and website traffic data in Excel and Python to create interactive dashboard.

Personal Projects

Conformalized Quantile Regression applied to Medical Data

- Replicated research from Angelopoulos and Bates (2023) on Conformal Prediction and applied it to quantile regression.
- Demonstrated the use of conformal prediction for quantifying uncertainty in drug response data.

LSTM Time Series Weather Prediction Model (In progress)

- Created LSTM model to accurately predict weather metrics for the Amsterdam region.
- Connected the model to OpenWeather's API to receive current weather data and create up to date forecasts on demand.