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LinkedIn Personal website

Noah Stegehuis

PROFILE

Research data scientist and PhD researcher, with a solid foundation in advanced statistical modelling, data science and machine learning. Proven expertise in developing and implementing data-driven solutions to complex problems, with a strong emphasis on causal inference and experimental methodologies. Highly skilled in Python, SQL, R, with experience communicating insights to technical and non-technical stakeholders. Passionate about applying cutting-edge techniques to real-world challenges to make societal impact.

WORK EXPERIENCE

Research Data Scientist
Churned AI
Amsterdam, the Netherlands
Oct 2021-May 2022

- Designed and implemented a scalable data pipeline for automating machine learning model estimation, regularisation and prediction of client datasets
- Developed a Python package that is integrated into the dashboard of the client company, providing real-time insights into their customer churn rates

Data Science Work Student
Logex Healthcare Analytics
Amsterdam, the Netherlands
Sep 2018 – Jul 2019

- Contributed to data science projects with large-scale societal impact, providing benchmark reports for medical specialists and healthcare stakeholders to improve healthcare policy
- Drafted and visualized reports for the Dutch National Healthcare Authority and the first international clients.

Bachelor Thesis Intern
Accenture
Heerlen, the Netherlands
Apr 2018-Jun 2018

Developed sales forecasting models using Vector Auto-Regressive techniques for a Dutch football club, delivering actionable recommendations.

EDUCATION

PhD Candidate Econometrics – Vrije Universiteit Amsterdam and Tinbergen Institute
Amsterdam, The Netherlands
Sep 2020 - present

- Department of Econometrics and Data Science
- Leading all stages of the research process—problem identification, methodological developments, data cleaning, feature engineering, and model evaluation, academic reporting—providing a strong foundation in research methodologies
- Presenting work at international conferences (Tokyo, Oslo) and teaching students in econometrics and data science: ability to explain complex issues to diverse audiences
- Research: Theoretical developments for causal inference with experimental and observational data, time varying instrumental variable parameter models, synthetic control methods

Master of Science in Econometric Theory –Vrije Universiteit Amsterdam
Amsterdam, The Netherlands
Sep 2019-Aug 2020

- Relevant courses: Deep Learning, Data Mining Techniques, Advanced Econometrics, Time Series Analysis, Causal Inference
- Cum Laude and Honours Programme

Bachelor of Science in Econometrics & Operations Research - Maastricht University
Maastricht, The Netherlands.
Sept 2015-Jul 2018

- Exchange semester at Hong Kong University of Science and Technology (HKUST)
- Cum Laude and Honours Programme

SKILLS

Programming Skills: Python (object oriented), R, SQL, Matlab**,** LaTeX, Git

AI & Data Science Tools: causal inference, deep learning architectures (CNNs, RNNs), scikit-learn, TensorFlow, PyTorch, ensemble methods (RF, gradient boosting), XGBoost, Matplotlib, Seaborn, NumPy, Pandas, Statsmodels, joblib, pickle

Languages: English (fluent), Dutch (native), French (intermediate), Spanish (pre-intermediate)