Rianne M. Schouten, PhD – Resume

Personal: Date of birth: 11 May 1991; Nationality: Dutch;
Living in Eindhoven, the Netherlands
Contact: Phone: +31 (0) 6 406 405 16;
Email: riannemargarethaschouten@gmail.com
Webpages: Website, LinkedIn, GitHub, Google Scholar

Education

2020-2025	PhD in Data Mining, TU/e
2015-2017	MSc in Methodology and Statistics for the Behavioural, Biomedical and Social Sciences, UU
2013, 2014	Two premasters: Social Policy @ UU, Social Sciences @ UvA
2009-2012	BSc in Medicine, UU

Experience

2025 - Now	Postdoctoral Researcher @ TU/e	· Data mining research (explainable AI, recommender systems) · **Leading €40K grant** (hiring student assistants, work allocation, definition of sub-projects, interviewing potential customers, financial management, writing project reports) · Supervision of 2 PhD candidates
2020-2025	PhD Candidate @ TU/e	· Data mining research (explainable AI, recommender systems) · Teaching (led tracks of 20-50 students, lectures, **2 awards for excellent student evaluations**) · Supervision of 15 groups, and 20 individual MSc students · Initiated and **led >8 collaborative projects**, obtained €45K seed money grant
2018-2020	Developer Data & Analytics @ Youth-care organization	· SQL Database management (**led architecture migration**) · Dashboarding (led migration to PowerBI) · Stakeholder communication (financial and HR department), allocating work to person, alignment with external consultancy team
2017-2019	Researcher Missing Data & Statistical consultant @ UU	· Missing data research · Providing statistical support for researchers @ UMCU · **Creating software packages**, such as `ampute` and `parlmice` in `R`-package `mice`, and `pyampute` in `Python`
2017	Data Scientist @ DPA Professionals	Traineeship Consultancy training

Software skills

R, Python	> 1500 hours each
SQL	> 1000 hours
SPSS	> 700 hours
Logi Analytics, Power BI	> 700 hours together
Javascript, Shiny, Bokeh, Highcharts	> 50 hours each
OpenBugs, RJags, HLM, MPlus	> 40 hours each

Collaborations and project management

2025-Now	Take-off grant: Founder	· **Business plan** (business model, slide decks, demonstrator, interviews, competitive landscape, market analysis, website)
2025-Now	AlgebraKit (B2B)	· **Quality control** of math exercises · New data mining method + scientific publication · Demonstrator (ongoing)
2023-Now	LOAD Consortium (a.o. BSS Group Utwente)	· **Recommender system** for patients with knee OA · Supervision of PhD Candidate · 3 poster presentation, 2 manuscripts
2022-Now	Turku Research Institute for Learning Analytic	· Detecting dyscalculia in young children · New data mining method + scientific publication (finished) · **Individual learning insights + recommendations** (ongoing)
2022-Now	Erasmus MC (DEPAR)	· **Handling missing values in longitudinal data** (1 publication, 1 MSc thesis, 4 BSc theses) · Discovering exceptional responses to treatment (4 BSc theses, 2 manuscripts to be submitted)
2024-2025	Catharina Hospital	· Detecting Atrial Fibrillation · **Supervision of PhD Candidate** · New data mining method + scientific publication
2020-2025	EDIC Consortium (a.o. BSS Group Utwente, IMEC, ZGT)	· Developing eHealth coach for patients with chronic diseases · 1 publication + multiple presentations · **Project management** (progress reports, organizational tasks such as team building and consortium meetings) · **In top-3** of best poster during NWO Commit2Data day
2020-2024	Trimbos Instituut	· Discovering exceptional trends in adolescent alcohol use · 2 publications + several (poster) presentations · **A simple interactive tool**
2017-2019	Utrecht MC	· Statistical analysis (design, implementation and reporting) · 3 medical publications

More on visibility and side activities

Grants and funding: €40K Personal NWO take-off grant (2025), €45K Seed money grant (2022)
Awards: Excellent Reviewer, Excellent student evaluations (twice)
Talks and contributions: >5 colloquium talks, >5 invited talks, >15 conference contributions, 1 Info-topic, multiple workshops and hackathons on Handling Missing Data
Community service: Reviewer for >5 journals and >2 conferences, Session Chair, Proceedings Chair
Networking: >6 Research visits (a.o. 2 months @ Columbia University in NYC, other visits ranging 1-5 days)
Relevant certificates: Google Prompt Engineering, Stanford Machine Learning, 461 Querying Microsoft SQL Server, University Teaching Qualification Program (3 courses)

Keywords related to methodological expertise (see Google Scholar)

AI subdomains: Pattern Mining, Explainable AI, Interpretable ML, Recommender Systems
Methods: Subgroup Discovery, Group Anomaly Detection, Clustering, Dynamic Bayesian Networks, Heterogeneous Treatment Effect Estimation, Counterfactual Explanations, Missing Data, Mixed-Effects Models
Data representation: Tabular, Time Series, Multilevel, Longitudinal, Sequential, Repeated Cross-Sectional
Application domains: Healthcare, Public health, Educational domain, Social sciences