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 for EdTech & MedTech · **Leading €40K grant** (valorization, definition of sub-projects, developing tools, stakeholder communication, financial management, writing project reports, work allocation to 4 people) · **2nd place Pitch & PD Best Paper Award TU/e** · Informal supervision of 2 PhD candidates
2020-2025	PhD Candidate @ TU/e	· Data mining research (XAI, RecSys, Anomaly detection) · **Spearheaded >8 partnerships** · **Obtained €45K seed money grant** · Teaching: **led tracks of 20-50 students, 2 awards for excellent student evaluations** · Supervision of 15 groups, and 20 individual MSc students
2018-2020	Developer Data & Analytics @ Youth-care organization	· SQL Database management (**led architecture migration**) · Dashboarding (**led migration to PowerBI**) · **Stakeholder communication** with financial and HR departments, allocating work, alignment with external consultancy team
2017-2019	Researcher Missing Data & Statistical consultant @ UU	· Missing data research (Imputation, Amputation) · Providing statistical support for researchers @ UMCU · **Co-author several 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 Output

2025-Now	AlgebraKit (B2B)	· **Quality control** of math exercises · New data mining method + scientific publication · **Interactive dashboard with demonstrator** (ongoing)
2023-Now	LOAD Consortium (a.o. BSS Group Utwente)	· **Recommender system** for patients with knee OA · Informal supervision of PhD Candidate · 3 poster presentations, 3 manuscripts
2022-Now	Turku Research Institute for Learning Analytic	· Detecting dyscalculia + adaptive learning · New data mining method + scientific publication (finished) · **Interactive dashboard with demonstrator** (ongoing) · **2nd place Pitch & PD Best Paper Award TU/e**
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 · Informal 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 · **Interactive tool with exceptional societal trends**
2017-2019	Utrecht MC	· Statistical analyses (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)
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
Relevant certificates	IBM Agentic AI, Google Prompting Essentials, Stanford Machine Learning, 461 Querying Microsoft SQL Server, 3/6 UTQ Program

Keywords related to methodological expertise (see Google Scholar)

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