

Adam Maghout
Student at Utrecht University
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Personal Profile

With a strong academic foundation and extensive teaching experience, I am eager to contribute fresh ideas to new research projects. Passionate about languages, music, and coding, I have honed a versatile statistical skill set to address complex challenges in social science research. My key interests are educational measurement, survey design, and promoting reproducibility in research.

Education

Utrecht University, Utrecht 2023-2025

MSc Methodology and Statistics for the Behavioural, Biomedical and Social Sciences (expected graduation: June 2025)

Projected GPA: 8.3

- Conducting a thesis in partnership with the International Baccalaureate (The Hague) on ‘*Evaluating the Impact of Passing Conditions and Retakes on Misclassification in the IB’s Diploma Programme*’, supervised by Anton Béguin.
- Courses taken: Survey Data Analysis, Multivariate Statistics, Fundamentals of Statistics, Computational Inference with R, Introduction to Multilevel Modelling and Psychometrics, Causal Inference and Structural Equation Modelling, Bayesian Statistics, Introduction to Biomedical Statistics, Contemporary Datasets, Data Science and Psychometrics, Bayesian Psychometrics.
- Track: Contemporary Psychometrics.

University of Leeds, Leeds, West Yorkshire, United Kingdom 2020-2023

BSc (Hons) Maths and Music, First Class Honours

GPA: 76

- Completed a final year project on ‘*Group Sequential Clinical Trials*’ methodology, supervised by Stuart Barber, awarded a first-class grade.
- Gained training in R for linear regression and mixed models.
- Conducted research in music psychology exploring the relationship between music use and stress.

Professional Experience

Research Assistant for Katharina Meitinger

Utrecht University, Utrecht

2024-present

Coded responses in English, Dutch, German, and French for a survey investigating preferences concerning gender measures in survey data.

Research Assistant for Angelo Moretti

Utrecht University, Utrecht

2024

Conducted a literature review of papers on composite indicators in small area estimation. Searched online databases to build a formatted bibliography for the lead researcher.

Teaching Assistant for Utrecht Summer School: ‘Multivariate Analysis’

Utrecht University, Utrecht

2024

Prepared resources for discussion sessions. Led tutorial sessions, explaining basic multivariate analysis techniques to social science students, and provided SPSS support during tutorials.

Research Assistant for Mirjam Moerbeek

Utrecht University, Utrecht

2024

Developed an R Shiny application to find optimal allocation ratios in group sequential clinical trials. Conducted a simulation study and prepared multilevel model exercises for summer courses.

French Tutor

Preply, Remote

2021-2024

Led over 1000 hours of one-on-one French tutorials with international students. Achieved the Preply Super Tutor badge in 2023.

Welcome Team Lead

University of Leeds, Leeds

2022-2023

Led teams organising events promoting diversity and inclusion. Supervised a shuttle pick-up service from Manchester Airport to the university. Promoted from Assistant to Lead after 3 months for assiduity and motivation.

Student Ambassador

University of Leeds, Leeds

2021-2023

Assisted students around campus during open days and academic events. Contributed to projects aimed at enhancing student life.

Projects

Academic Replication – Utrecht University

Github

Language: R

Replicated the findings of Homes et al. (2021). Created an academic poster to present the results and methodology.

Improving the LISS Panel Imputation Procedure – Utrecht University

R Shiny

Language: R

Created an R Shiny app to demonstrate the limitations of the LISS panel imputation procedure. Improved the procedure using multiple and stepwise imputation methods in R.

Additional Qualifications and Technical Skills

Staatsexamens Nederlandse taal Nt2 – Lezen en Luisteren (2024)

Certifies B1 level in reading and listening in Dutch.

Cambridge "C1 Advanced" Diploma, A Grade (2019)

Certifies C2 level in English.

Technical Skills

Programming languages: R, Python, LaTeX, SAS, SPSS, Fortran.

Software: Microsoft Office, Adobe Creative Cloud (Photoshop, Premiere Pro, After Effects, Animate), Ableton Live.

Extra-Curricular Activities

Utrecht Social Science Synapse Secretary

Utrecht University, Utrecht

2024-present

Responsible for official student association documents and organizing social events.

Leeds University Union Pantomime Society President

University of Leeds, Leeds

2022-2023

Organised two theatre productions. Scheduled committee meetings, created musical scores, and represented the society at university events.

Volunteer Artist Assistant

The Leeds International Piano Competition, Leeds

2021

Assisted competitors and helped with event organization.

Languages

English: Native.

French: Native.

German: C1.

Dutch: B1.