

Judith Neve

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Education

2021—2023 **Methodology and Statistics for the Behavioural, Biomedical, and Social Sciences Msc**, *Utrecht University*, Utrecht, Netherlands.

Running GPA: 8.3.

Applied Data Science track, covering data visualisation, supervised and unsupervised learning, regularisation, deep learning and natural language processing.

Thesis project: Evaluating tuning strategies for random forest hyperparameters with regards to prediction performance of clinical prediction models and computational time.

- [GitHub repository](#).

- Aim: identify tuning strategies improving calibration and discrimination performance of models and reducing computational time.

- Gained in-depth understanding of random forests.

- Designed a simulation study.

- Ran and interpreted preliminary results.

- Currently adapting R code to run on a high-performance computer through a shell script.

2017—2021 **Psychology and Statistics Bsc (Hons)**, *University of Glasgow*, Glasgow, United Kingdom.

Obtained with Honours of the First Class (highest distinction).

Dissertation project: The evolution of data sharing practices in the psychological literature.

- [Preprint](#) (undergoing reproducibility checks for publication in Meta-Psychology).

- [Open Science Framework project](#).

- Aim: extend findings from two articles investigating journal policies' impact on data sharing rates.

- Reused data, collected follow-up data, and modelled the effect of time and other variables on data sharing rates using generalised additive models.

Work experience

Nov.—Dec. 2022 **Teaching Assistant**, *Department of Psychology, Utrecht University*, Utrecht, Netherlands.

- **Skills developed:** Communication of statistical concepts, leadership, organisation, time management, integrating feedback.

Nov.—Dec. 2021

- Led weekly (2022) or fortnightly (2021) tutorial sessions for three groups of 20 second-year undergraduate psychology students. The tutorials focused on understanding and applying statistical methods and critically assessing a published research article.

- Reviewed homework prior to each tutorial sessions and modified the teaching materials accordingly to focus on identified difficulties.

- Was given very positive reviews by students.

May—Aug. 2022 **Teaching Assistant**, *Department of Methodology and Statistics, Utrecht University*, Utrecht, Netherlands.

- **Skills developed:** Communication of statistical concepts, teamwork, organisation, attention to detail.

- Updated and created online statistics lessons for second-year psychology students.

- Focused on multiple linear regression (Frequentist and Bayesian), ANCOVA (Frequentist and Bayesian), and mediation (Frequentist).

- Each lesson explains the concept, prompts the student to conduct an analysis in JASP, and guides through interpretation of the output.

- Concept explanations were modified to include more detail.

- Analysis was switched from SPSS to JASP.

- Interpretations of analysis results were re-written entirely.

- Oct. 2021—**Research Assistant**, *Department of Methodology and Statistics, Utrecht University*, Utrecht, Netherlands.
Apr. 2022
- **Skills developed:** R package building, attention to detail, teamwork, communication.
 - Conducted extensive testing of the R package CTmeta:
 - Tested input and output for each function.
 - Checked the clarity and accuracy of the documentation. Where necessary, modified the documentation.
 - Where necessary, modified functions to improve the quality of the output.
- Oct. 2021 **Teaching Assistant**, *Department of Information and Computing Science, Utrecht University*, Utrecht, Netherlands.
Skills developed: Critical thinking.
○ Identified documents relevant to each element of a list of 150 statistical queries.
- June—Dec. 2020 **Research internship under the supervision of Dr. Zsolt Péter Szabó**, *At Work Kft.*, Budapest, Hungary.
○ **Skills developed:** Communication of statistical results, psychometric test validation.
○ Conducted exploratory and confirmatory factor analyses on a Hungarian translation of the Short Dark Triad questionnaire for validation of the questionnaire.
○ Third author on the [resulting publication](#).
- June—Aug. 2019 **Voluntary research work under the supervision of Dr. Emily Nordmann**, *Department of Psychology, University of Glasgow*, Glasgow, United Kingdom.
○ **Skills developed:** Communication, critical thinking, text mining basics.
○ Led exploratory analyses on a language use dataset collected prior.
○ Conducted a literature search and wrote a literature review.
- June 2018 **Field investigator**, *MC2, Prével*, France.
○ **Skills developed:** Communication, time management, attention to detail.
○ Collected responses to a questionnaire in a restaurant.

Extracurriculars

- 2020—2021 **Vice President Treasurer**, *Glasgow University LGBTQ+ Society*.
○ **Skills developed:** Leadership, teamwork, teambuilding, communication, organisation.
○ Part of the executive in one of the largest Scottish student societies.
○ Worked with the President and Vice President Secretary to chair the 18-people committee.
○ Managed society finances.
○ Collaborated with other societies.
- 2019—2020 **International Officer**, *Glasgow University LGBTQ+ Society*.
○ **Skills developed:** Teamwork, communication, organisation.
○ Worked in a group to ensure the smooth running of the society.
○ Organized international student-oriented events.
○ Contact point with culture and language societies.
○ Contact point between international students and the committee.

Prizes and awards

- 2021 **Distinguished first class Honours**, *University of Glasgow*, United Kingdom.
Among the 25% highest performing first class honours students in Psychology.
- 2021 **Research Methods prize**, *University of Glasgow*, United Kingdom.
Best final year project in research methods.
- 2020 **SAS prize with high distinction**, *University of Glasgow*, United Kingdom.
Best final year project on Bsc Psychology and Statistics.
- 2020 **Merit list Psychology level 3**, *University of Glasgow*, United Kingdom.
Figuring on the list of psychology students obtaining an A grade in academic year 2019/2020.
- 2018 **Merit list Psychology level 1**, *University of Glasgow*, United Kingdom.
Figuring on the list of psychology students obtaining an A grade in academic year 2017/2018.

IT skills

R, *proficient*.

- Familiar with base R and tidyverse.
- Data wrangling, visualization, and analysis.
- Writing functions.
- Data simulation.
- Reproducible reports in R Markdown.

LaTeX, *proficient*.

- Creation of documents.
- Beamer.
- Personalisation of templates.

Python, *intermediate*.

- Data analysis.
- Manipulation of variables and dictionaries.
- Writing simple functions.

Mplus, *intermediate*.

- Data analysis.
- Fitting various structural equation models.
- Interpretation of output.

JASP, SPSS, *intermediate*.

- Fitting models

GitHub, *intermediate*.

- Collaboration on projects using forks or the samrepository.
- Version control.
- GitHub pages.

Languages

French, *C2*.

English, *C2*.

Hungarian, *C1*.

Publications

- [1] Judith Neve and Guillaume Rousselet. "The Evolution of Data Sharing Practices in the Psychological Literature". In: Meta-Psychology (under minor revisions) (June 2021). type: article. DOI: 10.31234/osf.io/3xdja. URL: <https://psyarxiv.com/3xdja/>.
- [2] Zsolt Péter Szabó et al. "Development of the hungarian version of the short dark triad questionnaire (SD3-HU): psychometric properties and validity". In: Current Psychology (Nov. 2021). ISSN: 1936-4733. DOI: 10.1007/s12144-021-02470-4. URL: <https://doi.org/10.1007/s12144-021-02470-4>.