Judith Neve

Education

2021—2023 Methodology and Statistics for the Behavioural, Biomedical, and Social Sciences Msc.

Utrecht University, Utrecht, Netherlands

Running GPA: 8.3/10.

Applied Data Science track, covering exploratory analysis, 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.
- O Gained in-depth understanding of random forests.
- O Designed a three-part simulation study.
- O Ran and interpreted preliminary results.
- Optimised scripts for running on a computer cluster.
- O Currently visualising data obtained from the simulation.
- Currently writing up results.

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.

- O Preprint (accepted for publication in Meta-Psychology).
- O Open Science Framework project.
- O Aim: extend findings from two articles investigating journal policies' impact on data sharing rates.
- O Reused data and cleaned it, 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. **Teaching Assistant**, Department of Psychology, Utrecht University, Utrecht, Netherlands

2022 • Skills developed: Communication of statistical concepts, leadership, organisation, time management, and 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.
- $\, \bigcirc \,$ Was given very positive reviews by students.

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

- O Skills developed: Communication of statistical concepts, teamwork, organisation, attention to detail.
- $\,\circ\,$ 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, Apr. 2022 Netherlands
 - O Skills developed: R package building, attention to detail, teamwork, communication.
 - O 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. Research internship under the supervision of Dr. Zsolt Péter Szabó, At Work Kft., 2020 Budapest, Hungary
 - Skills developed: Communication of statistical results, psychometric test validation, exploratory data analysis.
 - Conducted exploratory and confirmatory factor analyses on a Hungarian translation of the Short Dark Triad questionnaire for validation of the questionnaire.
 - O Third author on the resulting publication.
- June—Aug. **Voluntary research work under the supervision of Dr. Emily Nordmann**, *Department of 2019 Psychology, University of Glasgow*, Glasgow, United Kingdom
 - O **Skills developed**: Communication, critical thinking, text mining basics, exploratory data analyses, data cleaning.
 - O Cleaned and led exploratory analyses on a language use dataset collected prior.
 - O Conducted a literature search and wrote a literature review.
- June 2018 Field investigator, MC2, Préval, France
 - O Skills developed: Communication, time management, attention to detail.
 - O Collected responses to a questionnaire in a restaurant.

IT skills

R, proficient

Experience: 6 years.

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

LaTeX, proficient

Experience: 3 years.

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

Python, intermediate

Experience: 1 year.

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

SQL, beginner

Currently taking a course.

Languages

French, C2

English, C2

Hungarian, C1

GitHub, intermediate

Experience: 2 years.

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

JASP, SPSS, intermediate

Experience: 6 months.

 \circ Fitting models

Mplus, intermediate

Experience: 3 months.

- $\, \bigcirc \,$ Data analysis.
- O Fitting various structural equation models.
- \bigcirc Interpretation of output.

slurm, beginner

Experience: 3 months.

 $\, \bigcirc \,$ Running large batches of R scripts on a

cluster.

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.

Extracurriculars

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

Publications

Neve, J., & Rousselet, G. (2021). The Evolution of Data Sharing Practices in the Psychological Literature. Meta-Psychology (undergoing copyediting). https://doi.org/10.31234/osf.io/3xdja

Szabó, Z. P., Czibor, A., Neve, J., Restás, P., Hadarics, M., Szijjártó, L., Simon, E., Marót, J. L., Kun, Á., & Bereczkei, T. (2021). Development of the hungarian version of the short dark triad questionnaire (SD3-HU): Psychometric properties and validity. <u>Current Psychology</u>. https://doi.org/10.1007/s12144-021-02470-4