Judith Neve, MSc

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Key skills

- ○ Statistics and probability
- ○ Machine learning
- ○ Model training and tuning
- ○ Programming in R and Python
- ○ Manipulation of large datasets
- ○ Data visualisation and analysis
- ○ Experimental design
- ○ Parallel computing
- ○ (Science) communication

IT skills

- ○ **R**, proficient.
- ○ **LaTeX**, proficient.
- ○ **Python**, intermediate.
- ○ **SQL**, intermediate.
- ○ **Excel**, intermediate.
- ○ **JASP, SPSS**, intermediate.
- ○ **Mplus**, intermediate.
- ○ **GitHub**, intermediate.
- ○ **slurm**, basic.
- ○ **HTML, CSS**, basic.
- ○ **Tableau**, currently self-teaching.
- ○ **Power BI**, currently self-teaching.

Work experience

Oct. 2023—present — **Data Analyst**, *Bitbloom*, Glasgow, United Kingdom
- ○ Description coming soon!

Nov.—Dec. 2022, May—Aug. 2022, Nov.—Dec. 2021 — **Teaching Assistant**, *Department of Psychology, Utrecht University*, Netherlands
- ○ Delivered statistics tutorials, employing **clear communication** to explain complex concepts and accommodate varying levels of understanding among students.
- ○ Proactively assessed students' homework assignments prior to tutorial sessions, identifying knowledge gaps and adapting teaching materials to provide **targeted support** and promote clarity.
- ○ **Collaborated with a small team** to create online instructional materials with interactive learning tools in **Grasple**, effectively **conveying complex ideas** and processes in bite-sized formats to enhance student comprehension and retention.

Oct. 2021—Apr. 2022 — **Research Assistant**, *Department of Methodology and Statistics, Utrecht University*, Netherlands
- ○ Spearheaded the comprehensive testing and troubleshooting of the **R package CTmeta**, ensuring optimal accuracy and efficiency for its users.
- ○ Demonstrated exceptional attention to detail in **identifying and resolving errors in the code**, resulting in a seamless and error-free user experience.
- ○ Contributed to the accessibility and usability of the package by reviewing and **revising its documentation**, resulting in clearer instructions for users.

June—Dec. 2020 — **Research internship**, *At Work Kft.*, Hungary
- ○ Acquired expertise in factor analysis through leading exploratory and confirmatory factor analyses in **R** on the Hungarian translation of the Short Dark Triad questionnaire.
- ○ Third author on the resulting publication, which validates the psychometric questionnaire for use.

Education

2021—2023 — **Methodology and Statistics for the Behavioural, Biomedical, and Social Sciences MSc (*cum laude*)**, *Utrecht University*, Netherlands
- ○ **Thesis project** (conducted at the University Medical Centre): Evaluating **hyperparameter tuning** procedures in **decision tree-based methods** considering both model predictive performance and training time.
  - Gained insight into **machine learning** as used for **predictive modelling** in medicine.
  - Designed and programmed 3 complex simulation studies in **R (tidyverse, caret, ranger)**, executed via **slurm** on a high performance computer.
  - Manipulated, visualised and analysed **large datasets** by **aggregating thousands of files**, providing invaluable insights into model training.
  - Innovated in results visualisation, allowing **interactive exploration** via **R Shiny**.
  - Generated a report in **R Markdown (knitr, xtable)** to mitigate transcription errors in numerical data.
  - Report (soon to be submitted for publication), GitHub repository, results dashboard in R Shiny.

2017—2021 **Psychology and Statistics BSc (First Class Honours)**, *University of Glasgow*, United Kingdom
- **Dissertation project**: Assessing the evolution of data sharing practices in the psychological literature.
  - Using **R**, processed and combined **three large datasets** on the same topic to extend previous findings.
  - Analysed the data using **interrupted time series** to examine the effect of both **time** and **special events**.
  - Following best practices guidelines, developed the analysis framework in **R** using simulated data prior to data collection, facilitating streamlined data analysis and reporting.
  - [Report](#) (accepted for publication in *Meta-Psychology*), [Open Science Framework project](#).

Community engagement

2020—2021 **Vice President Treasurer**, *Glasgow University LGBTQ+ Society*, United Kingdom
- Oversaw the society's financial management, identifying and correcting inconsistencies in previous reports and ensuring accurate record-keeping.
- Cooperated with the President and Vice President Secretary to effectively **manage an 18-person committee with diverse members** and ensure the smooth operation of one of the largest student societies in Scotland.
- Coordinated efforts to maintain weekly society events and activities during the COVID-19 pandemic, positioning the society as one of the few on campus to continue providing **meaningful engagement** and community support for students.

2019—2020 **International Officer**, *Glasgow University LGBTQ+ Society*, United Kingdom
- Organised and moderated a range of events aimed at LGBTQ+ students.
- Acted as a key **point of contact** between international students and the society committee, providing support and guidance as needed.
- Led fortnightly coffee meetups to provide a relaxed and welcoming environment for international students to socialise and connect with one another.

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 performance in Year 3 of 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.

Languages

- **English**, fluent.
- **French**, native.
- **Hungarian**, fluent.

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. Current Psychology. https://doi.org/10.1007/s12144-021-02470-4