

SMI paper

index

snc

16065.1.2

the einleitung

inspired by the paper [...], (**ref?**), who found evidence for [...] we tried to replicate the pipeline of [...].

Our first draft essay proves their hypothesis [...].

background

preliminary

- embedding into class subject
- [...]

literature

hypothesis

[...]

material/methods

please cf. Schwarz (2026#todo) for the corpus building and evaluation scripts

data

our corpus consists of interview transcripts available in raw text which were tokenised and segmented into 10-unit chunks for further processing, Section .

corpus stats

```
knitr::kable(ts) [insert corpus stats]
```

computations

the computation of clip scores was done using HU resources with a python script cf. Nenchev (2026)

results

basic descriptive

visuals

[...] raffael script (commit hash!) from ggl-doc: Richter (2026)

linear regression

to prove descriptive results, we compute the stability [...] with a linear regression model using R's lme4::lmer() function, cf. Bates et al. (2015). coefficients are printed below [...]

basic (lm)

formula: `frequency.relative ~ target * in.gpt`

mixed effects model (lmer)

formula: `frequency.relative ~ target * in.gpt +(1|lemma)`

helper interpretation, to be tested

the coefficients interesting for us are

discussion

limitations

perspectives

ethics

acknowledgement

references

- Bates, Douglas, Martin Mächler, Ben Bolker, and Steve Walker. 2015. “Fitting Linear Mixed-Effects Models Using Lme4.” *Journal of Statistical Software* 67 (1): 1–48. <https://doi.org/10.18637/jss.v067.i01>.
- huggingface. n.d. “Google Colab.” Accessed December 15, 2025. https://colab.research.google.com/github/huggingface/notebooks/blob/main/diffusers/stable_diffusion.ipynb.
- Nenchev, Ivan. 2026. “Clip Score Computation.” https://github.com/esteeschwarz/SPUND-LX/blob/main/mental-img/clip_scores.ipynb.
- Nenchev, Ivan, Berlin Institute of Health at Charité – Universitätsmedizin Berlin, Germany, Christiane Montag, Department of Psychiatry and Psychotherapy, Charité Campus Mitte, Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Germany, Sandra Anna Just, Department of Psychiatry and Psychotherapy, Charité Campus Mitte, Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Germany, and Department of Clinical Medicine, UiT – The Arctic University of Norway, Tromsø, Norway. 2025. “Reverse Prompting: A Novel Computational Paradigm in Schizophrenia Based on Large Language Models.” In, 797–806. <https://doi.org/10.26615/978-954-452-098-4-092>.

- Patil, Suraj, Pedro Cuenca, Nathan Lambert, and Patrick von Platen. 2022. “Stable Diffusion with Diffusers.” *Hugging Face Blog*.
- Pillny, Matthias, David J. Hallford, and Kerem Böge. 2024. “The Nature of Mental Imagery and Its Relationship With Amotivational Psychopathology in People With Schizophrenia Spectrum Disorders.” *Behavior Therapy* 55 (4): 885–97. <https://doi.org/10.1016/j.beth.2024.01.009>.
- Princeton U. 2005. “Current Version.” *Wordnet*. <https://wordnet.princeton.edu/download/current-version>.
- Richter, Raffael. 2026. “Evaluation Script (Clip Evaluation, Visualisations) for p... · Esteeschwarz/SPUND-LX@01d293b.” <https://github.com/esteeschwarz/SPUND-LX/commit/01d293bfa731f80944ec1298699c15543d6dbcd7>.
- Schwarz, St. 2026. “This Paper Scripts.” <https://github.com/esteeschwarz/SPUND-LX/tree/main/mental-img>.
- Tucker, Benjamin V., Daniel Brenner, D. Kyle Danielson, Matthew C. Kelley, Filip Nenadić, and Michelle Sims. 2019. “The Massive Auditory Lexical Decision (MALD) Database.” *Behavior Research Methods* 51 (3): 1187–1204. <https://doi.org/10.3758/s13428-018-1056-1>.
- Wu, Si. 2025. “Swsiwu/Composition_and_deformance.” https://github.com/swsiwu/composition_and_deformance.
- Yates, Andrew, Bart Desmet, Emily Prud’hommeaux, Ayah Zirikly, Steven Bedrick, Sean MacAvaney, Kfir Bar, Molly Ireland, and Yaakov Ophir, eds. 2024. *Proceedings of the 9th Workshop on Computational Linguistics and Clinical Psychology (CLPsych 2024)*. St. Julians, Malta: Association for Computational Linguistics. <https://doi.org/10.18653/v1/2024.clpsych-1.0>.