Anastasia Philipps, PhD

NLP · Analytics · Data Science

I am a postdoctoral researcher in natural language processing (NLP) at the University of Oslo. I am skilled in Python, R, NLP tools, data visualization, and research communication.

Contact Details

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Personal Information

Residence: Norway (permanent oppholdstillatelse)

Languages: Russian (native), English (C1), Norwegian (B2), German (B1), French (A2)

Technical Skills

- Lang: Python, R, basic SQL
- Lib: PyTorch, pandas, NLTK, Streamlit, Jupyter, scikit-learn
- Tools: git, MS Office, LaTeX

Core Competencies

- Language modeling
- Statistical analysis
- Data visualization
- Research dissemination
- Teaching and communication

Work Experience

Postdoctoral Researcher at UiO's LTG **Jan 2026–present**
◇ As part of Piece Science Infrastructure project, I work on generative approaches to event extraction.

Lab Manager at EyeLands Lab, NTNU **Aug 2021–Jun 2023**
◇ Managed logistics for weekly lab meetings and external guest lectures, coordinated a lab-wide research project that resulted in a publication.

Research Assistant at CUNY **Apr 2019–Jun 2019**
◇ Research internship at Eye-Tracking and Language Processing Laboratory where I collected and analyzed quantitative data using Python and R.

Research Assistant at NRU HSE **Jul 2014–Dec 2015**
◇ At Center for Language and Brain, I designed syntax assessment tools, collected and analyzed linguistic data from individuals with aphasia, and took part in organizing neurolinguistics summer schools.

Education

PhD in Computational Psycholinguistics **2020–2025**
Norwegian University of Science and Technology (NO)
◇ Thesis: *Learning the (un)attested: Modeling acquisition of island constraints using symbolic and neural language models* (supervised by Dave Kush and Tal Linzen)
◇ Trained and evaluated language models (n-gram, LSTM, GPT-2) to study learnability of specific linguistic phenomena.
◇ Conducted full-cycle research: experimental design, data collection, analysis and visualization, academic writing and dissemination
◇ I taught BA and MA courses at NTNU (25% of the PhD position)

MSc in Clinical Linguistics, Joint Degree **2017–2019**
U. of Groningen (NL), U. of Potsdam (DE), U. of Eastern Finland (FI)
◇ Thesis: *Distributional properties of input in heritage language acquisition*
◇ Coursework: Neurolinguistics, Psycholinguistics, Neuroimaging, Language Acquisition, Statistics, Programming
◇ Overall grade: A (excellent)

BA in Fundamental and Computational Linguistics **2013–2017**
National Research U. Higher School of Economics, Moscow (RU)
◇ Thesis: *Exploring the relationship between working memory capacity and syntactic deficits in aphasia*
◇ Coursework: Theory of Language, Natural Language Processing, Programming, Probability Theory, Statistics, Algorithms, Experimental Linguistics
◇ GPA: 9.12/10

Selected Research Publications

◇ Kobzeva, A., Arehalli, S., Linzen, T. & Kush, D. (2025). Learning filler-gap dependencies with neural language models: Testing island sensitivity in Norwegian and English. *Journal of Memory and Language.* Paper
◇ Kobzeva, A. & Kush, D. (2025). Acquiring constraints on filler-gap dependencies from structural collocations: Assessing a computational learning model of island-insensitivity in Norwegian. *Language Acquisition*. Paper
◇ Kobzeva, A. & Kush, D. (2024). Grammar and expectation in active dependency resolution: Experimental and modeling evidence from Norwegian. *Journal of Cognitive Science.* Paper