

ANASTASIA KOBZEVA



ABOUT ME

I am a PhD candidate in computational linguistics at NTNU. I have a strong foundation in natural language processing (NLP), data handling, statistical analysis, and experimental research design. I am looking for industry positions within analytics, data science or NLP.

CONTACT DETAILS

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✉ Apotekerhagen, Asker, Norway

PERSONAL INFORMATION

Citizenship: Russian Federation

Residence: Norway (permanent oppholdstillatelse)

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

TOOLS

- Lang: Python, R, basic SQL
- Lib: PyTorch, NLTK, pandas
- Version control: git
- MS Office, $\text{\LaTeX}$

SKILLS

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

WORK AND VOLUNTEER WORK EXPERIENCE

Volunteer Data Analyst at ReStore

Feb 2024–present

◇ As part of ReSearch group, I analyze data on CO2 emissions saved by ReStore in Trondheim. Recently, I developed a Streamlit-hosted Python app to track visitors during ReStore openings, reducing volunteer effort by 50%. Currently, I am automating data handling processes by building Python pipelines for data pre-processing, analysis, and visualization.

Lab Manager at EyeLands Lab, NTNU

Aug 2021–Jun 2023

◇ I was responsible for scheduling and coordinating weekly lab meetings and invited talks, communicating with guest lecturers etc.

Researcher at City University of New York

Apr 2019–Jun 2019

◇ Research internship at Eye-Tracking and Language Processing Laboratory where I collected and analyzed quantitative data using Python and R.

Researcher at Center for Language and Brain

Jul 2014–Dec 2015

◇ I developed and standardized the syntax sub-test of the Russian Aphasia Test, collected and analyzed experimental data from individuals with aphasia.

EDUCATION

PhD in Computational Psycholinguistics

2020–2025

Norwegian University of Science and Technology (NO)

◇ Thesis: *Computational modeling of filler-gap acquisition in Norwegian* (supervised by Dave Kush and Tal Linzen)

◇ I trained statistical and neural language models (n-gram/LSTM/GPT2) to explore their ability to learn a specific linguistic phenomenon in Norwegian

◇ My PhD involved experimental design, data collection, analysis, and visualization, as well as academic writing and research 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. & 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

◇ Kobzeva, A., Arehalli, S., Linzen, T. & Kush, D. (2023). Neural Networks Can Learn Patterns of Island-insensitivity in Norwegian. In *Proceedings of the Society for Computation in Linguistics*. Paper