

## ACADEMIC APPOINTMENTS

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### Laboratoire de Psychologie Cognitive, Aix-Marseille Université

Marseille, France

PhD student (supervised by Olivier Morin and Isabelle Dautriche)

September 2022-...

- Also affiliated with Institut Jean Nicod, ENS-PSL
- Thesis title: “Why do words mean what they mean? Generative inference for a causal understanding of the lexical organization.”

## VISITING POSITIONS

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### CIMeC, University of Trento

Trento, Südtirol, Italy

Visiting PhD student (sponsored by Jakub Szymanik)

February 2024

- Stay covered by Collegio Clesio in exchange for one teaching session.

### Centre for Language Evolution, University of Edinburgh

Edinburgh, Scotland, UK

Visiting PhD student (sponsored by Kenny Smith)

March 2023

## EDUCATION

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### Ecole Normale Supérieure, PSL

Paris, France

Diplome de l'ENS (DENS) in Science

2019–2022

- Courses attended: the origin of concepts, deep learning, reference and meaning, probabilities in pragmatics and reasoning

### Ecole Normale Supérieure, PSL

Paris, France

M.Sc. in Cognitive Science, cum laude

2019–2021

- Major – linguistics

### Higher School of Economics

Moscow, Russia

B.A. in Fundamental and Applied Linguistics

2015–2019

- Major – computational linguistics, minor – mathematics

## PUBLICATIONS AND PEER-REVIEWED CONFERENCE PROCEEDINGS

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- [1] A. Koshevoy, I. Dautriche, O. Morin, and K. Smith, “Coordination, rather than pragmatics, shapes colexification when the pressure for efficiency is low.”, *Proceedings of the 46th Annual Meeting of the Cognitive Science Society*, 2024.
- [2] A. Koshevoy, I. Dautriche, and O. Morin, “Why do some words have more meanings than others? A true neutral model for the meaning-frequency correlation.”, *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*, 2023.
- [3] A. Koshevoy, H. Miton, and O. Morin, “Zipf’s Law of Abbreviation holds for individual characters across a broad range of writing systems”, *Cognition*, vol. 238, p. 105 527, 2023.

- [4] A. Koshevoy, A. Panova, and I. Makarchuk, “Building a Universal Dependencies Treebank for a Polysynthetic Language: the Case of Abaza”, in *Proceedings of the Sixth Workshop on Universal Dependencies (UDW, GURT/SyntaxFest 2023)*, 2023, pp. 1–6.
- [5] M. Daniel, A. Koshevoy, I. Schurov, and N. Dobrushina, “Can recall data be trusted? Evaluating reliability of interview data on traditional multilingualism in highland Daghestan”, *Field Methods*, vol. 34, no. 4, pp. 288–302, 2022.
- [6] A. Koshevoy, “Morphological causatives in Abaza”, *Higher School of Economics Research Paper No. WP BRP*, vol. 75, 2018.

## ADDITIONAL TRAINING

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- **Introduction à la modelisation statistique bayésienne** – organized by Ladislav Nalborczyk      Oct.-Nov., 2022
- **Areal Linguistics and Languages of Russia** – organized by School of Linguistics (HSE)      August, 2018
- **Typology and Lexicon (TyLex) Summer School** – organized by School of Linguistics (HSE), Hebrew University of Jerusalem and Stockholm University      August, 2017

## TEACHING

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- **Trento University, Collegio Clesio**  
*Intro to data-drive linguistics (invited lecture)*      Feb. 2024
- **Aix-Marseille University, Master in Cognitive Science**  
*Efficient communication and the organisation of the lexicon (invited lecture and tutorial)*      Oct. 2023

## PRESENTATIONS

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### Invited presentations

- **CiMEC seminar – Trento, Italy**  
*How cultural evolution and artificial languages can shed light on the origins of linguistic ambiguity?*      2024
- **The evolution of cognitive technologies workshop – Leipzig, Germany**  
*When eleven does not equal 11: Investigating exactness at a number’s upper bound (discussion of the paper by I. Noveck et al.)*      2023

### Conferences & workshops

- **Computational Humanities Research 2023 – Paris, France**  
*Slovotvir: a natural experiment in word replacement (poster).*      2023
- **Internal and external pressures shaping language – Ljubljana, Slovenia**  
*Can pragmatic reasoning explain the pressure for efficiency in communication?*      2023
- **Cognitive Science Society Meeting – Sydney, Australia (Online)**  
*Why do some words have more meanings than others? A true neutral model for the meaning-frequency correlation (poster).*      2023
- **Efficiency principles in non-linguistic information transmission workshop – Leipzig, Germany**  
*Efficiency principles in different modalities: writing systems and natural languages.*      2023
- **Evolution, Cognition and Culture – Saint-Jacut-de-la-Mer, France**  
*Zipf’s Law of Abbreviation holds for individual characters across a broad range of writing systems*      2022
- **EVOLANG – Okinawa, Japan (Online)**  
*Frequency and character complexity in 27 writing systems*      2022
- **Evolution and Social Cognition group seminar – Paris, France (Online)**  
*Frequency and character complexity in 27 writing systems*      2021

- **54th Annual Meeting of the Societas Linguistica Europaea**– Athens, Greece (Online)  
*Language altitude and language size* (joint work with M. Daniel) 2021
- **LIFT 2020 – Paris, France (Online)**  
*Tutorial: From Elan to Universal Dependencies* (in English) 2020
- **Digital Humanities and Modern Knowledge (ConCort)** – HSE, Niznij Novgorod, Russia  
*Topological data analysis and text classification* (in English) 2018
- **XV Conference on Typology and Grammar for Young Researchers** – ILS RAS, Saint-Petersbourg, Russia  
*Causatives in Abaza: event structure* (in Russian) 2018
- **Anthropology. Folklore studies. Sociolinguistics.** – EU, Saint-Petersbourg, Russia  
*Variability of possessive markers in modern Russian* (in Russian) 2018
- **DIALOGUE – RSUH, Moscow, Russia**  
*Lingcorpora: creating API for corpora* (student poster session, in Russian) 2017

## SKILLS

- **Programming:** Python (*Scikit-Learn*, *Numpy*, *PyTorch*, *transformers*, *BayesFlow*, *Flask*), R (*ggplot2*, *lme4*, *igraph*, *brms*), Julia, SQL, shell, git, JavaScript, HTML, CSS
- **Editing:** L<sup>A</sup>T<sub>E</sub>X, markdown, pandoc, MS Office
- **Software:** Praat, ELAN, RStudio, PyCharm, Jupyter, VS Code, ChatGPT, GitHub Copilot

## LANGUAGES

- **Russian:** native speaker
- **English:** fluent (CAE C2)
- **French:** fluent
- **German:** basic communication skills

## SCHOLARSHIPS AND AWARDS

- Max Planck Society Ph.D. scholarship (1200€), Max Planck Institute for Geoanthropology January 2023–April 2023
- Contrat Doctoral Specifique Normalien (72.000€), ENS Paris September 2022–August 2025
- International Selection Scholarship (36.000€), ENS Paris September 2019–August 2022
- Increased State Academic Scholarship, Higher School of Economics January 2019–June 2019
- Laureate of the student’s research paper competition (5th place)<sup>1</sup>, Higher School of Economics December 2018

## ACADEMIC SERVICE

- Reviewer: Cognitive Science Society conference, Open Mind
- Co-organizer of the “Efficiency principles in non-linguistic information transmission” workshop (MPI-EVA, Leipzig, Germany)

## PROJECTS

- **Abaza treebank** (Universal Dependencies treebank)  
Universal Dependencies treebank for Abaza (Northwest Caucasian). Worked on automatic conversion from ELAN to CoNLL-U format. Joint work with A. Panova and I. Makarchuk. 2020-...
- **lingcorpora** (Python package)  
Package providing API for different online linguistic corpora. Contributor and maintainer. 2016-2018  
Now maintained by E. Gerasimenko and A. Kopetsky.

<sup>1</sup>Awarded for the term-paper ‘Topological data analysis and text classification’ (supervised by George Moroz)