DR. ANNA LAURINAVICHYUTE

PERSONAL INFORMATION

address	Gutenbergstrasse 8, 14467 Potsdam, Germany
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phone	+49 176 73899073
children	1 child, born in 2018

WORK EXPERIENCE

2020–present	Postdoctoral researcher and statistical consultant at SFB 1287 grant "Limits of variability in language", UNIVERSITY OF POTSDAM, GERMANY
2017–2020	Coordinator of the "Cognitive systems: language, learning, and reasoning" Master's program, UNIVERSITY OF POTSDAM, GERMANY
2013–2021	Junior research fellow at the Center for Language and Brain, NATIONAL RESEARCH UNIVERSITY HIGHER SCHOOL OF ECONOMICS, MOSCOW, RUSSIA

EDUCATION

2020–present	University of Potsdam, Germany, MSc Data Science.
2015–2021	University of Potsdam, Germany, PhD in Cognitive Science (*magna cum laude*).
2005–2010	Lomonosov Moscow State University, Russia, Diploma in Linguistics (*summa cum laude*).

SHORTLISTED FOR

2024	Assistant professor position at UC Davis, California. The position was split between the departments of Linguistics and Statistics, and was not offered to any of the candidates because the departments have not come to an agreement.
2024	W1 professor position at the University of Mannheim, Germany. The selection is ongoing.

PEER-REVIEWED JOURNAL ARTICLES

Summary	Published articles: 23 total, 8 first-author and/or corresponding author; 1 book chapter
in press	**Laurinavichyute** A.K., Ziubanova A., Lopukhina A. Eye-movement suppression in the visual world paradigm. *Open Mind: Discoveries in Cognitive Science* Data and analysis code are available at doi:10.17605/OSF.IO/9QZNS.
in press	Chrabaszcz A., **Laurinavichyute** A.K., Ladinskaya N., Baladzhaeva L, Prior A., Myachykov A., Dragoy O. Writing direction influences the spatial representations of past and future tense forms: Evidence from eye-tracking. *Memory & Cognition* Data and analysis code are available at https://osf.io/exhmz/.
2024	**Laurinavichyute** A.K., von der Malsburg T. Agreement attraction in grammatical sentences and the role of the task. *Journal of Memory and Language*, 137, doi:10.1016/j.jml.2024.104525.

Data and analysis code are available at doi:10.17605/OSF.IO/VYQE3.

2024   Mertzen D., **Laurinavichyute** A.K., Dillon B., Engbert R., Vasishth S. Crosslinguistic evidence against interference from extra-sentential distractors. *Journal of Memory and Language*, 137, doi:10.1016/j.jml.2024.104514
Data and analysis code are available at doi:10.17605/OSF.IO/QRCMV.

2023   Ziubanova A., **Laurinavichyute*** A.K., Parshina O., Does early exposure to oral and sign language affect reading fluency in deaf and hard of hearing adults? *Frontiers in Psychology*, 14, doi:10.3389/fpsyg.2023.1145638.
Data and analysis code are available at doi:10.17605/OSF.IO/JE8DU.

2023   Chromý J., Brand, J., **Laurinavichyute** A.K., Lacina R., Number agreement attraction in Czech and English comprehension: A direct experimental comparison. *Glossa Psycholinguistics*, 2(1): 14, pp. 1–20., doi:10.5070/G6011235.
Data and analysis code are available at http://tiny.cc/osf_files.

2023   Zdorova N., Malyutina S., **Laurinavichyute** A.K., Kaprielova A., Kromina A., Lopukhina A. Do we rely on good-enough processing in reading under auditory and visual noise?. *PLoS ONE*, 18(1), e0277429, doi:10.1371/journal.pone.0277429.
Data and analysis code are available at doi:10.17605/OSF.IO/6DY54.

2022   **Laurinavichyute** A.K., Yadav H, Vasishth S. Share the code, not just the data: A case study of the reproducibility of articles published in the Journal of Memory and Language under the open data policy. *Journal of Memory and Language*, Vol. 125, 104332, doi:10.1016/j.jml.2022.104332.
Data and analysis code are available at doi:10.17605/OSF.IO/3BZU8, supplementary materials are available at doi:10.17605/OSF.IO/3X2Y6.

2022   **Laurinavichyute** A.K., von der Malsburg T. Semantic attraction in sentence processing. *Cognitive Science*, Vol. 46, e13086, doi:10.1111/cogs.13086.
Data and analysis code are available at doi:10.17605/OSF.IO/P9HS7.

2021   Lopukhina A., **Laurinavichyute** A.K., Malyutina S., Ryazanskaya G., Savinova E., Simdianova A., Antonova A., Korkina I. Reliance on semantic and structural heuristics in sentence comprehension across the lifespan. *Quarterly Journal of Experimental Psychology*, doi:10.1177/17470218211053263, 2021.
Pre-registration can be seen at https://osf.io/k3ebs. Data and analysis code are available at doi:10.17605/OSF.IO/4F2PX.

2021   Lopukhina A., Lopukhin K., **Laurinavichyute** A.K. Morphosyntactic but not lexical corpus-based probabilities can substitute for cloze probabilities in reading experiments. *PLOS ONE*, Vol. 16(1), e0246133, doi:10.1371/journal.pone.0246133, 2021.
Data and analysis code are available at doi:10.17605/OSF.IO/YQ46B.

2021   Parshina O., **Laurinavichyute** A.K., Sekerina I.A. Eye movements in heritage language reading. *Bilingualism: Language and Cognition*, Vol. 24(1), pp. 69–82, 2021.
Data and analysis code are available at doi:10.17605/OSF.IO/TCRBA.

2020   Dorofeeva S.V., **Laurinavichyute** A.K., Reshetnikova V., Akhutina T.V., Tops W., Dragoy O.D. Complex phonological tasks predict reading in 7 to 11 years of age typically developing Russian children. *Journal of Research in Reading*, Vol. 43, No. 4, pp. 516-535, 2020.
Data and analysis code are available at doi:10.17605/OSF.IO/S8X3M.

2020   Sekerina I.A., **Laurinavichyute** A.K. Heritage speakers can actively shape not only their grammar but also their processing. *Bilingualism: Language and Cognition*, Vol. 23, No. 1, pp. 43-45, 2020.

2019   Nikiforova A., Lopukhina A., Malyutina S., **Laurinavichyute** A.K., Ryazanskaya G., Savinova E., Simdianova A. Good-enough sentence processing in

adolescents and adults under no-noise and auditory-linguistic-noise conditions. *The Russian Journal of Cognitive Science*, Vol. 6, No. 2, pp. 25–32, 2019.

2019 **Laurinavichyute** A.K., Sekerina I.A., Alexeeva S., Bagdasaryan K., Kliegl R. Russian Sentence Corpus: Benchmark measures of eye movements in reading in Cyrillic. *Behavioral Research Methods*, Vol. 51, No. 3, pp. 1161–1178, 2019. Data and analysis code are available at doi:10.17605/OSF.IO/X5Q2R.

2018 Malyutina S., **Laurinavichyute** A.K., Terekhina M., Lapin Ye. No evidence for strategic nature of age-related slowing in sentence processing. *Psychology and Aging*, Vol. 33, No. 7, pp. 1045–1059, 2018. The pre-registration, experimental data, and analysis code are available at doi:10.17605/OSF.IO/C32AK.

2018 Lopukhina A., **Laurinavichyute** A.K., Lopukhin K., Dragoy O.V. The mental representation of polysemy across word classes. *Frontiers in Psychology*, Vol. 9. P. 192, 2018. Data and analysis code are available at doi:10.17605/OSF.IO/STAEW.

2017 **Laurinavichyute** A.K.*, Jäger L.*, Akinina Yu., Ross J, Dragoy O.V. Retrieval and encoding interference: Cross-linguistic evidence at anaphor processing *Frontiers in Psychology*, Vol. 8, p. 965, 2017. Data and analysis code are available at doi:10.17605/OSF.IO/XFTHM.

2016 Malyutina S., Dragoy O.V., Ivanova M., **Laurinavichyute** A.K., Petrushevsky A., Meindl T., Pöppel E., Gutyrchik E. Fishing is not wrestling: Neural underpinnings of the verb instrumentality effect. *Journal of Neurolinguistics*, Vol. 40, pp. 37–54, 2016.

2016 Dragoy O.V., Bergelson M.B., Iskra E., **Laurinavichyute** A.K., Mannova E., Skvortsov A., Statnikov A. Comprehension of reversible constructions in semantic aphasia. *Aphasiology*, Vol. 30, No. 1., pp. 1–22, 2016.

2015 Ivanova M.V., Dragoy O.V., Kuptsova S.V., Ulicheva A.S, **Laurinavichyute** A.K. The contribution of working memory to language comprehension: Differential effect of aphasia type. *Aphasiology*, Vol. 29, No. 6., pp. 645–664, 2015.

2014 **Laurinavichyute** A.K., Ulicheva A., Ivanova M.V., Kuptsova S.V., Dragoy, O.V. Processing lexical ambiguity in sentential context: Eye-tracking data from brain-damaged and non-brain-damaged individuals. *Neuropsychologia*, Vol. 64., pp. 360–373, 2014.

peer-reviewed conference proceedings

submitted **Laurinavichyute** A.K., Lopukhina A., Reich D. Automatic detection of dyslexia based on eye movements during reading in Russian. Submitted to the Conference on Computational Natural Language Learning (CoNLL).

book chapters

2019 Sekerina I.A., **Laurinavichyute** A.K., Dragoy O.V. What eye movements can and cannot tell us about wh-movement and scrambling. In: Carlson K., Clifton, Jr. C., Fodor J. (eds) Grammatical Approaches to Language Processing. Studies in Theoretical Psycholinguistics, vol 48., Ch. 8. P. 147-165. Springer, Cham, 2019.

dissertation

2021 **Laurinavichyute** A.K. Similarity-based interference and faulty encoding accounts of sentence processing. University of Potsdam, 2021. Full text available at the Potsdam University website.

INVITED TALKS

November 2024 — The reproducibility of findings in linguistics and psychology: Where are we now, and how do we move forward? **Invited talk** at the online-workshop on reproducibility aimed at higher education institutions of Brandenburg.

2023 — Where are we now and how do we move forward? A case study of the reproducibility of articles published in the Journal of Memory and Language under the open data policy. **Invited talk** at the Friday Primes, Humboldt University of Berlin.

2023 — Eye-tracking in psycholinguistics. Reading in Russian. **Invited talk** at the Slavic linguistics colloquium, University of Potsdam.

2023 — Analyzing eye-tracking data: The promise and practice. **Plenary talk** at the Summer Neurolinguistics School 2023, HSE, Moscow.

2022 — The reproducibility of psycholinguistic findings: Where are we now, and how do we move forward? **Plenary talk** presented at the Psycholinguistics of Slavic Languages (PsychoSlav) conference.

2022 — Reproducibility **workshop** at the project week of SFB 1287.

TEACHING EXPERIENCE

2023 — "Introduction to Bayesian Data Analysis", an online course at OpenHPI, co-instructor

2022 — "Introductory Bayesian statistics" at Statistical Methods for Linguistics and Psychology (SMLP), co-instructor

2022 — Reproducibility workshop at the project week of SFB 1287, 2022

2021 — "Introductory Bayesian statistics" at Statistical Methods for Linguistics and Psychology (SMLP), co-instructor

2020 — "Introductory Bayesian statistics" at Statistical Methods for Linguistics and Psychology (SMLP), co-instructor

2019 — "Introductory Bayesian statistics" at Statistical Methods for Linguistics and Psychology (SMLP), teaching assistant

2017 — "Lexicon in psycholinguistics" at the International Summer School on Typology and Lexicon (TyLex)

2017 — "Experimental linguistics" at the School of Linguistics, HSE, Moscow

2013–2014 — German Language at the Faculty of Philology, HSE, Moscow

2013 — "Experimental Methods in Psycho- and Neurolinguistics" at the Faculty of Philology, HSE, Moscow

2009 — "Statistical Analysis in R" at the Lomonosov Moscow State University, Moscow

SELECTED CONFERENCE PRESENTATIONS

2024 — Lacina R., **Laurinavichyute** A., Brand J., Chromý J. You'd better be syncretic! Gender agreement attraction in Czech and Slovak, **talk** to be presented at the 17th conference on Formal Description of Slavic Languages, Brno, Czech Republic.

2024 — Say S., **Laurinavichyute** A. Valency patterns in Russian: Cross-linguistic predictability meets language-specific acceptability, to be presented at the 19th conference of the Slavic cognitive linguistics association, Cracow, Poland.

2024   **Laurinavichyute** A., Lacina R., Brand J., Chromý J. You'd better be syncretic! Gender agreement attraction in Czech and Slovak, poster to be presented at the Architectures and Mechanisms of Language Processing (AMLaP) conference, Edinburgh, UK.

2024   Lacina R., **Laurinavichyute** A. You'd better be syncretic! Gender agreement attraction in Czech and Slovak, **talk** presented at the Psycholinguistics of Slavic Languages conference, Wrocław, Poland.

2023   **Laurinavichyute** A., Yadav H., von der Malsburg T., Vasishth S. The role of goal in sentence processing, **talk** at the Architectures and Mechanisms of Language Processing (AMLaP) conference, San Sebastian, Spain.

2023   **Laurinavichyute** A., Yadav H., von der Malsburg T., Vasishth S. Agreement attraction effects depend on the goal of processing, poster presented at the 36th Annual Conference on Human Sentence Processing, 2023.

2023   **Laurinavichyute** A., Yadav H., Vasishth S. Share the code, not just the data, poster presented at the 36th Annual Conference on Human Sentence Processing, 2023.

2021   **Laurinavichyute** A., von der Malsburg T. Agreement attraction in grammatical sentences arises only in the good-enough processing mode, **talk** presented at the Linguistic Illusions in Sentence Processing (LISP) workshop, 2021.

2021   **Laurinavichyute** A., von der Malsburg T. Agreement attraction in grammatical sentences arises only in the good-enough processing mode. Short talk presented at the 34th Annual CUNY Conference on Human Sentence Processing, 2021.

2021   Kromina A., Kaprielova A., **Laurinavichyute** A. Eye-movements in reading in Russian Sign Language native speakers. Poster presented at the International Symposium on Bilingual and L2 Processing in Adults and Children (ISBPAC) 2021.

2020   **Laurinavichyute** A., von der Malsburg T. The Lewis and Vasishth model predicts acceptability judgments, but not RTs for attraction errors. Poster presented at the Architectures and Mechanisms of Language Processing (AMLaP) conference, 2020.

2020   **Laurinavichyute** A., Lopukhina A., Malyutina S. Good-enough processing and how it depends on environmental noise – from adolescence into older age, **talk** at the DGfS Annual Meeting, 2020.

2019   **Laurinavichyute** A., Lopukhina A., Kromina A. Eye-movement control in the Visual World Paradigm, **talk** presented at the Attentive Listener in the Visual World (AttLis) conference, 2019.

2019   **Laurinavichyute** A., Lopukhina A., Kromina A. Eye-movement control in the Visual World Paradigm, **talk** presented at the Architectures and Mechanisms of Language Processing (AMLaP) conference, 2019.

2019   **Laurinavichyute** A., von der Malsburg T. Agreement attraction effects in the comprehension of grammatical sentences. Poster presented at the 32nd Annual CUNY Conference on Human Sentence Processing, 2019.

2018   **Laurinavichyute** A., Khudyakova M., Sekerina I.A., Dragoy O.V. Reactivation of syntactic traces in the Visual World paradigm? **talk** presented at the Fourth St. Petersburg Winter Workshop on Experimental Studies of Speech and Language (Night Whites), 2018.

2018   **Laurinavichyute** A., von der Malsburg T. Semantic attraction in sentence processing. Poster presented at the 31st Annual CUNY Conference on Human Sentence Processing, 2018.

2018   **Laurinavichyute** A., von der Malsburg T. Agreement attraction in grammatical sentences. Poster presented at the 31st Annual CUNY Conference on Human Sentence Processing, 2018.

2017   **Laurinavichyute** A., Sekerina I.A., Bagdasaryan K., Alexeeva S. Russian Sentence Corpus. **talk** presented at the 19th European Conference on Eye Movements (ECEM), 2017.

2017   **Laurinavichyute** A.,Lopukhina A. Can the Eye-Mind Connection Be Broken in the Visual World Paradigm? **talk** presented at the 19th European Conference on Eye Movements (ECEM), 2017.

2017   **Laurinavichyute** A., Simdianova A.,Vasishth S. Agreement attraction in person: comprehension in Russian. Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing, 2017.

2016   **Laurinavichyute** A., Vasishth S., Agreement attraction in person is symmetric. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, 2016.

2016   **Laurinavichyute** A., Sekerina I.A., Bagdasaryan K., Alexeeva S. Russian Sentence Corpus, **talk** presented at the 7th Scandinavian Workshop on Eye Tracking, 2016.

2015   **Laurinavichyute** A., Jäger L., Akinina Yu., Benz L, Dragoy O.V., Teasing apart retrieval and encoding interference in Russian reflexives. Poster presented at the 28th Annual CUNY Conference on Human Sentence Processing, 2015.

FUNDING

2023   APPLIED for a €1,300,000 junior research group grant for women in artificial intelligence, offered by German Federal Ministry of Education and Research

2019   DAAD travel grant for AMLaP 2019 conference

2018   KoUP grant for organizing a joint German-Russian workshop on eye-tracking research in Moscow

2018–2021   Russian Humanitarian Science Foundation grant "Superficial language processing: the influence of age and perceptive conditions", investigator

2017   DAAD travel grant for CUNY 2017 conference

2017–2020   Russian Humanitarian Science Foundation grant "Russian sentence corpus as a means to investigate reading processes", **principal investigator**

2016-2018   DAAD doctoral scholarship

REVIEWING FOR

JOURNAL OF MEMORY AND LANGUAGE; Behavior Research Methods; Glossa Psycholinguistics; Open Mind: Discoveries in Cognitive Science; Journal of Experimental Psychology: Learning, Memory, and Cognition; Neuropsychologia

EVENTS ORGANIZED

2020–2024   Summer School on Statistical Methods for Linguistics and Psychology, Potsdam

2020   Architectures and Mechanisms for Language Processing (AMLaP) conference, Potsdam

2018	Russian-German workshop on eye-movement research, Moscow
2015	International eye-tracking workshop, Moscow

RESEARCH SKILLS

Methods	EYE-TRACKING, machine learning, computational cognitive modeling
Data Analysis	R, Python, Bayesian analysis using Stan, brms; machine learning with PyTorch

OTHER

Scientific Interests   Computational cognitive modeling · Reading in deaf population · Reproducible research · Automatic classification of eye movements using machine learning · Research methodology · Role of goal in language processing

Languages

RUSSIAN	·	Native speaker
ENGLISH	·	Advanced (C2)
GERMAN	·	Upper Intermediate to Advanced (C1)
SPANISH	·	Basic

August 14, 2024