

Elizabeth Pankratz

Curriculum Vitae

Education

Sep. 2021–present	PhD in Linguistics and English Language (Centre for Language Evolution) University of Edinburgh, Scotland <ul style="list-style-type: none">– Supervisors: Prof. Jennifer Culbertson and Prof. Simon Kirby
Oct. 2019–Aug. 2021	Master of Science in Cognitive Systems: Language, Learning, and Reasoning Universität Potsdam, Germany <ul style="list-style-type: none">– Thesis: <i>Morphological productivity: A Bayesian modelling approach</i>– Supervisors: Prof. Shravan Vasishth and Dr. Titus von der Malsburg
Oct. 2017–Jul. 2019	Master of Arts in Linguistics Humboldt-Universität zu Berlin, Germany <ul style="list-style-type: none">– Thesis: <i>A study of diachronic changes in the productivity of several Early New High German derivational morphemes using the RIDGES corpus</i>– Supervisor: Prof. Anke Lüdeling
Sep. 2013–Jun. 2017	Bachelor of Arts (Honours) in Linguistics & German language and literature University of Alberta, Canada (with year abroad at the Freie Universität Berlin) <ul style="list-style-type: none">– First Class Honours, best of graduating class– Thesis: <i>Effects of plural semantics on linking element alternation in German nominal compounds</i>– Supervisors: Prof. Jennifer Dailey-O’Cain and Prof. Jordan Lachler

Research experience

Aug. 2020–Sep. 2021	Researcher (“Wissenschaftliche Mitarbeiterin”) Humboldt-Universität zu Berlin, CRC 1412 Register, Project A04 <ul style="list-style-type: none">– Application of Bayesian machine learning methods (LDA) to probabilistically identify register in corpora– Publication of one journal paper and presentation of two conference/colloquium talks
Feb. 2021–Jul. 2021	Research assistant to Dr. Titus von der Malsburg Universität Potsdam <ul style="list-style-type: none">– Psycholinguistic research on the effect of single- vs. multi-trial experiment designs
Jan. 2018–Jun. 2018, Oct. 2019–Sep. 2020	Student assistant to Dr. Bob van Tiel Leibniz-Centre General Linguistics (ZAS), Berlin <ul style="list-style-type: none">– Psycholinguistic research on processing of scalar inferences– Publication of two journal papers and presentation of two conference posters
Dec. 2017–Sep. 2019	Student assistant to Prof. Uli Reich Freie Universität Berlin <ul style="list-style-type: none">– Creation of a freely-available audio corpus of Conchucos Quechua using Praat, ELAN, and Python
Apr. 2014–Jun. 2014	Student assistant to Prof. Antti Arppe (Volunteer position) University of Alberta <ul style="list-style-type: none">– Fieldwork and documentation of Plains Cree in Maskwacîs, Alberta

Teaching

• Lecturing and course design

2023	Statistics and Quantitative Methods University of Edinburgh <ul style="list-style-type: none">– Held three introductory lectures on binomial models, interactions with categorical and continuous predictors, and interpreting Bayesian model estimates– Designed two of those lectures and the accompanying one-hour tutorials– Created formative and summative assessments
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• Tutoring

2022–2023	Statistics and Quantitative Methods University of Edinburgh <ul style="list-style-type: none">– Honours (advanced undergraduate) and postgraduate course on data manipulation, visualisation, and analysis in the Bayesian framework using R
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LEL2D: Cross-linguistic Variation: Limits and Theories

University of Edinburgh

- Pre-honours (early undergraduate) course on typological variation and its influence on linguistic theory

Simulating Language

University of Edinburgh

- Honours (advanced undergraduate) and postgraduate course on implementing Bayesian models of language evolution using Python

PPLS Skills Centre

University of Edinburgh

- One-on-one consultation appointments to help students improve their academic writing

• Workshops

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| 2023 | Bayes, stat! A crash course in Bayesian inference
Centre for Language Evolution annual retreat <ul style="list-style-type: none">– Two two-hour sessions giving a conceptual and practical introduction to Bayesian modelling in R using brms |
| 2022 | Narrative design for academic storytelling
Centre for Language Evolution annual retreat <ul style="list-style-type: none">– A two-hour session on the fundamentals of narrative structure and how using it can improve academic writing |

Copy editing and proofreading

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| Sep. 2019–May 2021 | Copy editor and proofreader of <i>Head-Driven Phrase Structure Grammar: The handbook</i>
Humboldt-Universität zu Berlin/Language Science Press, Berlin <ul style="list-style-type: none">– Copy editing and proofreading of 30+ chapters |
| Jan. 2018–Mar. 2018 | Proofreader for the proceedings of <i>Sinn und Bedeutung 22</i>
Leibniz-Centre General Linguistics (ZAS), Berlin <ul style="list-style-type: none">– Proofreading of 5+ papers |

Publications

• Preprints

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| 2022 | Pankratz, E., von der Malsburg, T., & Vasishth, S. (2022). Shannon entropy is a more comprehensive and principled morphological productivity measure than the standard alternatives. <i>PsyArXiv</i> . https://doi.org/10.31234/osf.io/vkyug . |
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• Journal papers

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| 2023 | Pescuma, V. N., Serova, D., Lukassek, J., Sauermann, A., Schäfer, R., Adli, A., Bildhauer, F., Egg, M., Hülk, K., Ito, A., Jannedy, S., Kordoni, V., Kuehnast, M., Kutscher, S., Lange, R., Lehmann, N., Liu, M., Lütke, B., Maquate, K., ... Knoeferle, P. (2023). Situating language register across the ages, languages, modalities, and cultural aspects: Evidence from complementary methods. <i>Frontiers in Psychology</i> , 13. https://doi.org/10.3389/fpsyg.2022.964658 . |
| 2022 | Pankratz, E., Arppe, A., & Lachler, J. (2022). Low hanging fruit and the Boasian trilogy in digital lexicography of morphologically rich languages: Lessons from a survey of Indigenous language resources in Canada. <i>Nordlyd</i> , 46(1), 193–204. https://doi.org/10.7557/12.6441 . |
| 2021 | Pankratz, E., & van Tiel, B. (2021). The role of relevance for scalar diversity: A usage-based approach. <i>Language and Cognition</i> , 13(4), 562–594. https://doi.org/https://www.doi.org/10.1017/langcog.2021.13 .
van Tiel, B., & Pankratz, E. (2021). Adjectival polarity and the processing of scalar inferences. <i>Glossa</i> , 6(1), 32. https://doi.org/10.5334/gjgl.1457 . |
| 2019 | van Tiel, B., Pankratz, E. , & Sun, C. (2019). Scales and scalarity: Processing scalar inferences. <i>Journal of Memory and Language</i> , 105, 93–107. https://doi.org/10.1016/j.jml.2018.12.002 . |
| 2018 | Schäfer, R., & Pankratz, E. (2018). The plural interpretability of German linking elements. <i>Morphology</i> , 28(4), 325–358. https://doi.org/10.1007/s11525-018-9331-5 . |

• Conference proceedings

- 2021 **Pankratz, E.**, Yadav, H., Smith, G., & Vasishth, S. (2021). Statistical properties of the speed-accuracy trade-off (SAT) paradigm in sentence processing. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 43, 2176–2182.
- Pankratz, E.** (2021). qxoRef 1.0: A coreference corpus and mention-pair baseline for coreference resolution in Conchucos Quechua. *Proceedings of the First Workshop on Natural Language Processing for Indigenous Languages of the Americas*, 1–9. <https://doi.org/10.18653/v1/2021.americasnlp-1.1>.
- 2019 van Tiel, B., **Pankratz, E.**, Marty, P., & Sun, C. (2019). Scalar inferences and cognitive load. *Proceedings of Sinn Und Bedeutung* 23, 427–441.
- 2017 Lachler, J., & **Pankratz, E.** (2017). Moving towards value-added digital repatriation in lexicography for Indigenous languages in Canada. In N. Ostler, V. Ferreira, & C. Moseley (Eds.), *Proceedings of the 21st FEL Conference: Communities in Control: Learning tools and strategies for multilingual endangered language communities* (pp. 107–114).

• Resources

- 2021 **qxoRef 1.0: A coreference corpus for Conchucos Quechua**
<https://github.com/epankratz/qxoRef>

Presentations

• Invited

- 2021 **Pankratz, E.** (2021). *An entropy-based approach to measuring morphological productivity*. Humboldt-Universität Colloquium for Corpus Linguistics.
- Pankratz, E.** (2021). *Coreference resolution for Conchucos Quechua*. Freie Universität Berlin Romanistisches Forschungskolloquium.

• Talks

- 2022 **Pankratz, E.** (2022). *Do entropy, type count, and distribution shape influence the learning of non-adjacent dependencies?* Centre for Language Evolution Talk Series.
- Pankratz, E.**, von der Malsburg, T., & Vasishth, S. (2022). *An entropy-based approach to measuring morphological productivity*. How productive is derivational morphology? (Workshop at the 44th annual DGfS conference).
- 2021 Sun, C., **Pankratz, E.**, & van Tiel, B. (2021). *Polarity modulates the processing cost of scalar implicatures*. Architectures and Mechanisms for Language Processing (AMLaP 2021).
- Bildhauer, F., **Pankratz, E.**, & Schäfer, R. (2021). *Corpora, inference, and models of register distributions*. Contrastive corpus methodology for language modeling and analysis (Workshop at the 43rd annual DGfS conference).
- Lüdeling, A., Schäfer, R., **Pankratz, E.**, Krause, T., Bildhauer, F., & Golcher, F. (2021). *What is a good corpus?* Humboldt-Universität Register Colloquium (CRC 1412).
- Hübener, C., & **Pankratz, E.** (2021). *Verfugungswandel von Determinativ- und Rektionskomposita – ein Fall von Regularisierung?* Humboldt-Universität Colloquium for Corpus Linguistics.
- 2020 van Tiel, B., & **Pankratz, E.** (2020). *Adjectival polarity and the processing of scalar implicature*. Sinn und Bedeutung 25.
- van Tiel, B., & **Pankratz, E.** (2020). *Polarity in scalar inference processing*. Degree expressions and polarity effects (Workshop at Leibniz ZAS).
- 2019 **Pankratz, E.**, Lachler, J., & Arppe, A. (2019). *A survey of Indigenous language tools: The emergence of two lexicographical approaches among Indigenous languages of Canada*. 6th International Conference on Language Documentation & Conservation (ICLDC6).
- Pankratz, E.** (2019). *Derivational morphology in Early New High German*. Humboldt-Universität Colloquium for Corpus Linguistics.
- 2017 Lachler, J., & **Pankratz, E.** (2017). *Moving toward value-added digital repatriation in lexicography for Indigenous languages in Canada*. 21st FEL Conference: Communities in Control: Learning tools and strategies for multilingual endangered language communities.
- Pankratz, E.** (2017). *Language maintenance in a global world: Creating a middle ground for Plautdietsch in 21st-century Canada*. University of Alberta MLCS Undergraduate Conference.

• Posters

2023	Keogh, A., Pankratz, E. , Kirby, S., & Culbertson, J. (2023). Does production facilitate learning morphosyntactic generalisations? Keogh, A., Pankratz, E. , Kirby, S., & Culbertson, J. (2023). <i>The role of production for morphosyntactic generalisation</i> . 77th Language Lunch at Edinburgh.
2021	Pankratz, E. , Yadav, H., Smith, G., & Vasishth, S. (2021). <i>Statistical properties of the speed-accuracy trade-off (SAT) paradigm in sentence processing</i> . Annual Meeting of the Cognitive Science Society (CogSci 2021). Pankratz, E. (2021). <i>qxoRef 1.0: A coreference corpus and mention-pair baseline for coreference resolution in Conchucos Quechua</i> . The First Workshop on NLP for Indigenous Languages of the Americas (AmericasNLP) at NAACL 2021.
2020	Pankratz, E. , & van Tiel, B. (2020). <i>Can usage of scalar adjectives predict scalar inference rates?</i> UK Cognitive Linguistics Conference 2020 (UKCLC 2020).
2019	van Tiel, B., Pankratz, E. , & Sun, C. (2019). <i>Scales and scalarity: Processing scalar inferences</i> . XPRAG 2019.
2018	van Tiel, B., Pankratz, E. , & Sun, C. (2018). <i>Processing scalar diversity</i> . Sinn und Bedeutung 23.

Supervision

2023	Sigurd Farstad Iversen University of Edinburgh, MSc in Evolution of Language and Cognition
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Reviewing

2022–2023	Annual Meeting of the Cognitive Science Society (CogSci 2022, 2023)
2022	First Language and Interaction Network event (LiNk) 2022
2021	Complexity and Register 2021 (CAR21)
2020	12th Web as Corpus Workshop (WAC-XII), co-located with LREC 2020

Event organisation

2022–2023	Centre for Language Evolution talks Weekly hybrid talk series (University of Edinburgh)
2022	Linguistic Circle Biweekly hybrid talk series (University of Edinburgh)
2022	Edinburgh Lectures in Language Evolution (ELLE) 2022 Four-lecture hybrid talk series with hundreds of attendees (University of Edinburgh, June 2–23, 2022)
2021	Complexity and Register 2021 (CAR21) Hybrid workshop with 30+ attendees (Humboldt-Universität zu Berlin, November 19, 2021)
2019	XXII. Deutscher Hispanistentag Conference with 600+ attendees (Freie Universität Berlin, March 27–31, 2019)

Funding

2021–2025	ESRC-funded PhD Studentship Scottish Graduate School of Social Science
2021–2025	SSHRC Doctoral Fellowship Social Sciences and Humanities Research Council of Canada
2019–2021	University Scholarship Potsdam (previously Deutschlandstipendium) Universität Potsdam
2017–2019	Konrad Adenauer Foundation Scholarship Program for International Students
2017	Undergraduate Research Initiative at the University of Alberta CAD 5000 funding for the summer research project <i>Digital lexicography of Canadian Indigenous languages</i> with Prof. Jordan Lachler and Prof. Antti Arppe

Awards and recognition

2021	Sir James Lougheed Award of Distinction – Master’s Level (CAD 15,000) Alberta Scholarships
2019	Featured as one of the LINGUIST List’s Rising Stars Nominated by Dr. Roland Schäfer and Prof. Anke Lüdeling
2017	The Dr. John MacDonald Medal in Arts (CAD 1100) For best graduating mark in the Faculty of Arts at the University of Alberta
2014–2017	Seven awards for academic achievement and extracurricular involvement (total CAD 14,200) University of Alberta <ul style="list-style-type: none">– The Rod and Judith Fraser International Undergraduate Learning Award (CAD 4500)– The Louise McKinney Post-Secondary Scholarship (CAD 2500)– The Mrs. Kathe & Mr. Siegfried Klotsche Scholarship in German (CAD 2200)– The Edelweiss-Club Scholarship (CAD 1750)– The Catherine McLean Scholarship in Arts (CAD 1500)– The Jason Lang Scholarship (CAD 1000)– The Catherine Folinsbee Memorial Scholarship (CAD 750)

Outreach

2019	What it means to know a language Pop linguistics talk to 50+ attendees at the Pint of Science Festival 2019, Berlin
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Skills

Languages	English (first language), German (C1), French (basic)
Programming	Python, R, Stan
Mark-up	LaTeX, HTML, Rmarkdown, Quarto, xaringan
Version control	Git, GitHub
Statistical analysis	Bayesian methods, frequentist methods
Experiments	jsPsych, Ibex Farm, Testable, Prolific, Amazon Mechanical Turk
Other software	Adobe Photoshop, Microsoft Office, Praat, ELAN