Elizabeth Pankratz
Curriculum Vitae

Education

Sep. 2021–present	**PhD in Linguistics and English Language (Centre for Language Evolution)** University of Edinburgh, Scotland – 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 – Thesis: *Morphological productivity: A Bayesian modelling approach* – Supervisors: Prof. Shravan Vasishth and Dr. Titus von der Malsburg
Oct. 2017–Jul. 2019	**Master of Arts in Linguistics** Humboldt-Universität zu Berlin, Germany – Thesis: *A study of diachronic changes in the productivity of several Early New High German derivational morphemes using the RIDGES corpus* – 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) – First Class Honours, best of graduating class – Thesis: *Effects of plural semantics on linking element alternation in German nominal compounds* – Supervisors: Prof. Jennifer Dailey-O'Cain and Prof. Jordan Lachler

Other research experience

Aug. 2020–Sep. 2021	**Researcher ("Wissenschaftliche Mitarbeiterin")** Humboldt-Universität zu Berlin, CRC 1412 Register, Project A04 – Application of Bayesian machine learning methods (LDA) to probabilistically identify register in corpora – Presentation of two conference/colloquium talks
Feb. 2021–Jul. 2021	**Research assistant to Dr. Titus von der Malsburg** Universität Potsdam – 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 – 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 – 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 – Fieldwork and documentation of Plains Cree in Maskwacîs, Alberta

Teaching

• Lecturing

2023	**Statistics and Quantitative Methods** University of Edinburgh – Held three lectures on binomial models, interactions, and interpreting Bayesian model estimates – Wrote two of those lectures (and created the accompanying tutorial materials) – Designed formative and summative assessments

• Tutoring

2022–2023	**Statistics and Quantitative Methods** University of Edinburgh – Honours (advanced undergraduate) and postgraduate course on data manipulation, visualisation, and analysis in the Bayesian framework using R

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**

2022 | **Narrative design for academic storytelling**
Centre for Language Evolution annual retreat
  – A two-hour session on the fundamentals of narrative structure and how using it can improve academic writing

Copy editing and proofreading

Sep. 2019–May 2021 | **Copy editor and proofreader of *Head-Driven Phrase Structure Grammar: The handbook***
Humboldt-Universität zu Berlin/Language Science Press, Berlin
  – Copy editing and proofreading of 30+ chapters

Jan. 2018—Mar. 2018 | **Proofreader for the proceedings of *Sinn und Bedeutung 22***
Leibniz-Centre General Linguistics (ZAS), Berlin
  – Proofreading of 5+ papers

Publications

• **Preprints**

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. *PsyArXiv*. https://doi.org/10.31234/osf.io/vkyug.

• **Journal papers**

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. *Nordlyd*, *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. *Language and Cognition*, *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. *Glossa*, *6*(1), 32. 1–21. https://doi.org/10.5334/gjgl.1457.

2019 | van Tiel, B., **Pankratz**, **E.**, & Sun, C. (2019). Scales and scalarity: Processing scalar inferences. *Journal of Memory and Language*, *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. *Morphology*, *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**

2021	**Pankratz**, **E.**, Yadav, H., Smith, G., & Vasishth, S. (2021). *Statistical properties of the speed-accuracy trade-off (SAT) paradigm in sentence processing.* Annual Meeting of the Cognitive Science Society (CogSci 2021).
	Pankratz, **E.** (2021). *qxoRef 1.0: A coreference corpus and mention-pair baseline for coreference resolution in Conchucos Quechua.* The First Workshop on NLP for Indigenous Languages of the Americas (AmericasNLP) at NAACL 2021.
2020	**Pankratz**, **E.**, & van Tiel, B. (2020). *Can usage of scalar adjectives predict scalar inference rates?* UK Cognitive Linguistics Conference 2020 (UKCLC 2020).
2019	van Tiel, B., **Pankratz**, **E.**, & Sun, C. (2019). *Scales and scalarity: Processing scalar inferences.* XPRAG 2019.

| 2018 | van Tiel, B., **Pankratz, E.**, & Sun, C. (2018). *Processing scalar diversity.* Sinn und Bedeutung 23. |

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)

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**

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 *Digital lexicography of Canadian Indigenous languages* 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 – 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

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