

HYEWON JANG

Doctoral Researcher in Computational Psycholinguistics

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👤 <https://hyewon-jang-kn.github.io>

🔗 <https://github.com/copsyn>

Research Interests

General

Computational linguistics, artificial intelligence,
experimental linguistics, psycholinguistics,
discourse, dialogue, pragmatics,
cognitive modeling, human communication

Specific

Topics: Sarcasm, humor, impoliteness, indirectness, implicit meaning, context, multimodal information

Methods: Language models, statistical analysis, qualitative analysis, quantitative analysis

Education


Current	University of Konstanz PhD in Computational Psycholinguistics Advisors: Junior Prof. Dr. Diego Frassinelli, Prof. Dr. Bettina Braun
08/2021	University of Konstanz MA in Speech and Language Processing <i>Sehr gut mit Auszeichnung (very good with distinction)</i>
02/2017	Seoul National University BA in English Education (Minor in Hispanic Language and Literature) <i>Cum laude</i>


Publications


PhD dissertation


Submitted  **Computational Sarcasm Detection Examined Through the Lens of Psycholinguistics**


Peer-Reviewed Publications

Revised  **Contextual factors that trigger sarcasm**
Hyewon Jang, Bettina Braun & Diego Frassinelli
Metaphor and Symbol.

2024  **Generalizable sarcasm detection is just around the corner, of course!**
Hyewon Jang & Diego Frassinelli
Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL 2024).

2024  **Context vs. Human Disagreement in Sarcasm Detection**
Hyewon Jang, Moritz Jakob & Diego Frassinelli
Proceedings of the 4th Workshop on Figurative Language Processing (FigLang) @ NAACL 2024, Association for Computational Linguistics.


2023  **Figurative Language Processing: A Linguistically Informed Feature Analysis of the Behavior of Language Models and Humans**
Hyewon Jang*, Qi Yu*, & Diego Frassinelli (*equal contribution)
Findings of the Association for Computational Linguistics: ACL 2023 (ACL Findings).
[Presented at The 12th Joint Conference on Lexical and Computational Semantics (*SEM 2023).]

2023  **Intended and Perceived Sarcasm Between Close Friends: What Triggers Sarcasm and What Gets Conveyed?**
Hyewon Jang, Bettina Braun & Diego Frassinelli
Proceedings of the 45th Annual Conference of the Cognitive Science Society (CogSci 2023).

Working Notes

2022  **Lexicon-Based Profiling of Irony and Stereotype Spreaders**
Hyewon Jang

Conference and Labs of the Evaluation Forum (CLEF 2022), September 5–8, 2022, Bologna, Italy.

- 2022  **Capturing Changes in Mood Over Time in Longitudinal Data Using Ensemble Methodologies**
Ana-Maria Bucur, **Hyewon Jang** & Farhana Ferdousi Liza
Workshop on Computational Linguistics and Clinical Psychology @ North American Association for Computational Linguistics (NAACL 2022), July 10-15, 2022, Seattle, USA (online).

Presentations

Peer-Reviewed by Abstracts

- 09/2024 **Detecting sarcasm using LLMs when sarcasm is way too broad**
Hyewon Jang & Diego Frassinelli
Architectures and Mechanisms for Language Processing (AMLaP 30), Edinburgh, Scotland.
- 06/2024 **A type of sarcasm that current theories fail to explain – evidence from sarcasm**
Hyewon Jang
Experiments in Linguistic Meaning 3 (ELM 3), University of Pennsylvania, Philadelphia, USA (online).
- 09/2023 **What predicts the use of sarcasm?**
Hyewon Jang, Bettina Braun, Diego Frassinelli
7th Figurative Thought and Language Symposium (FTL-7), Genoa, Italy.
- 09/2023 **What types of situations trigger sarcasm? A language generation study.**
Hyewon Jang, Bettina Braun, Diego Frassinelli
Architectures and Mechanisms for Language Processing (AMLaP 29), San Sebastian, Spain.
- 07/2023 **What triggers sarcasm between close friends and what role does humor play in it?**
Hyewon Jang
International Society of Humor Studies Conference 2023 (ISHS 2023), Boston, USA.
- 06/2023 **Vulgar verbal morphology in colloquial Korean and beyond**
Colin Davis, Hyewon Jang

The 23rd Biennial Meeting of the International Circle of Korean Linguistics (ICKL 2023), Palacký University Olomouc, Czech Republic.

Invited Talks

- 11/2024 **Computational sarcasm detection through the lens of psycholinguistics**
Hyewon Jang
Invited talk at Department Colloquium, University of Konstanz, Germany.
- 04/2024 **Towards well-rounded sarcasm handling by language models**
Hyewon Jang
Invited talk at MaiNLP Lab @ Ludwig Maximilian University of Munich, Germany.

Work Experience

- 2020 – 2021 **Aon's Assessment Solution, Aon** Hamburg, Germany
Intern at Product Development & Global Analytics
- Interdisciplinary research to improve an AI-based video interview product
- Combination of Natural Language Processing (NLP) methods with psychometric approaches on personality measurement
- Projects: Data quality improvement (feature inspection), Equal Employment Opportunity Commission (EEOC) handling (addressing bias and ethics), data annotation
- 2017 – 2018 **Jeongsang Language School** Seoul, Korea
ESL teacher
- English teaching to students ages 9 -15

Teaching

- 2024 **Current topics and methodologies in computational linguistics**
Main instructor [Co-teaching with Diego Frassinelli]
Average student rating: 5/5.
University of Konstanz
- 2023 **Corpus Linguistics with Python**
Main instructor [Co-teaching with Diego Frassinelli]
Average student rating: 4.1/5.
University of Konstanz

Awards and Grants

2024	Travel stipend at FigLang 2024 Stipend for participation at the workshop FigLang 2024 (2,000 USD) <i>National Science Foundation (NSF)</i>
2022	Student grant at CLEF 2022 Grant for participation at the conference CLEF 2022 (400 EUR) <i>Special Interest Group on Information Retrieval (SIGIR)</i>
2022	The Doctoral Fund Funding for participation in academic events (3,200 EUR) <i>University of Konstanz</i>
2022	VEUK Award 2021 Award for outstanding performance in MA program <i>Alumni association of the University of Konstanz (VEUK e.V)</i>
2021	DAAD Award 2021 (nominated) <i>German Academic Exchange Service (DAAD)</i>

Service

2023 – 2024	Computational Linguistics Reading Group Organizer University of Konstanz
2023 – 2024	Computational Linguistics Lab Lab/website manager - Duties: lab schedule organization, website maintenance University of Konstanz
2022 – 2024	Konstanz Linguistics Conference Co-organizer University of Konstanz
2022 – 2023	Computational Psycholinguistics and Artificial Intelligence Computational linguistics research and discussion group Co-organizer University of Konstanz

Other Education

2023	Seventh Summer School on Statistical Methods for Linguistics and Psychology (SMLP) University of Potsdam, Germany
2022	European Summer School in Logic, Language and Information (ESS-LLI) National University of Ireland, Galway, Ireland

Reviewing

2024	Language Resources and Evaluation
2024	ACL Rolling Review (ARR)
2024	Cognitive Science Society (CogSci)

Languages

Korean	Native
English	Near-native
German	Intermediate passive knowledge
Spanish	Rusty intermediate

References

Junprof. Dr. Diego Frassinelli
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Prof. Dr. Bettina Braun
University of Konstanz
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