

HYEWON JANG

Doctoral Researcher in Computational Psycholinguistics

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[GitHub](https://github.com/copsyn) https://github.com/copsyn

Research Interests

General

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

Specific

Topics: Sarcasm, humor, impoliteness, contextual information, implicit meaning, multimodality

Methods: Language models, hypothesis testing, 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

Peer-Reviewed Publications (Journals and Equivalent)

- 2024 [\[LINK\]](#) **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.
- 2024 [\[LINK\]](#) **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).
- In revision* **Contextual factors that trigger sarcasm**
Hyewon Jang, Bettina Braun & Diego Frassinelli
Metaphor and Symbol.
- 2023 [\[LINK\]](#) **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 [\[LINK\]](#) **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).

Other Publications

- 2022 [\[LINK\]](#) **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 [\[LINK\]](#) **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

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)
National Science Foundation (NSF)

2022 **Student grant at CLEF 2022**

Grant for participation at the conference CLEF 2022 (400 EUR)
Special Interest Group on Information Retrieval (SIGIR)

- 2022 **The Doctoral Fund**
Funding for participation in academic events (3,200 EUR)
University of Konstanz
- 2022 **VEUK Award 2021**
Award for outstanding performance in MA program
Alumni association of the University of Konstanz (VEUK e.V)
- 2021 **DAAD Award 2021** (nominated)
German Academic Exchange Service (DAAD)

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	ACL Rolling Review (ARR)
2024	Cognitive Science Society (CogSci)

Skills

Python (all-purpose programming language)

Machine learning, deep learning, multimodal language modeling

Data science, corpus linguistics, data scraping

Visualization of data (graphs, plots, etc.)

R (programming language for statistical analysis)

Statistical analysis, text data processing, visualization of statistical models and results

FindingFive, Gorilla (experiment set-up tools)

Experiment design, crowdsourcing experiments

HTML (programming language for website creation)

Simple website design

LaTeX (text formatting language for document preparation)

Papers, posters, slides

Languages

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