# Hyewon Jang

Doctoral Researcher in Computational Psycholinguistics

*Last update: May, 2024*

## General

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| **Personal Information** | **Email** | hye-won.jang@uni-konstanz.de |
| | **Website** | https://hyewon-jang-kn.github.io |
| | **Github** | https://github.com/copsyn |

**Research Interests**

**General**
Computational linguistics, artificial intelligence, experimental linguistics, psycholinguistics, pragmatics

**Specific**
Sarcasm, humor, impoliteness, implicit meaning, contextual information, multimodality, feature analysis

## Education

**Current**

**University of Konstanz**
PhD in Computational Psycholinguistics
Advisors: Junior Prof. Dr. Diego Frassinelli, Prof. Dr. Bettina Braun

**2021**

**University of Konstanz**
MA in Speech and Language Processing
*Sehr gut mit Auszeichnung (very good with distinction)*

**2017**

**Seoul National University**
BA in English Education
(Minor in Hispanic Language and Literature)
*Cum laude*

# Publications

## Peer-Reviewed Publications

*To appear*   [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.*

*To appear*   [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).*

*under review*   **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
*Findings of the Association for Computational Linguistics: ACL 2023 (ACL
Findings).*
[Presented at The 12th Joint Conference on Lexical and Computational Se-
mantics (*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), 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), July 10-15, 2022, Seattle, USA (online).*

## Presentations

06/2024     **A type of sarcasm that current theories fail to explain – evidence from *sarchasm***
Hyewon Jang
*Experiments in Linguistic Meaning 3 (ELM 3), University of Pennsylvania, Philadelphia, USA (online).*

04/2024     **Towards well-rounded sarcasm handling by language models**
Hyewon Jang
*Invited talk at MaiNLP Lab @ Ludwig Maximilian University of Munich, Germany.*

09/2023     **What predicts the use of sarcasm?**
Hyewon Jang, Bettina Braun, Diego Frassinelli
*7th Figurative Thought and Language Symposium (FTL), 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, 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.*

## 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

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| 2017 – 2018 | **Jeongsang Language School** | Seoul, Korea |

*ESL teacher*
- English teaching to students ages 9 -15

## Teaching

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| 2024 | **Current topics and methodologies in computational linguistics** |

Main instructor [Co-teaching with Diego Frassinelli]
*Average student rating: 5/5.*
University of Konstanz

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| 2023 | **Corpus Linguistics with Python** |

Main instructor [Co-teaching with Diego Frassinelli]
*Average student rating: 4.1/5.*
University of Konstanz

## Awards and Grants

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| 2022 | **Student grant at CLEF 2022** |

*Special Interest Group on Information Retrieval (SIGIR)*

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| 2022 | **The Doctoral Fund** |

Funding for participation in academic events (3,200 EUR)
*University of Konstanz*

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| 2022 | **VEUK Award 2021** |

Award for outstanding performance in MA program
*Alumni association of the University of Konstanz (VEUK e.V)*

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| 2021 | **DAAD Award 2021** (nominated) |

*German Academic Exchange Service (DAAD)*

## Service

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| 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 (ESSLLI)**
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
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

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| **Korean** | Native |
| **English** | Near-native |
| **German** | Working knowledge |
| **Spanish** | Rusty intermediate |