

# HYEWON JANG

Doctoral Researcher in Computational Psycholinguistics

*Last update: January, 2024*

## General

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### Personal Information

#### Email

hye-won.jang@uni-konstanz.de

#### Website

hyewon-jang-kn.github.io

#### Github

<https://github.com/hyewon-jang-kn>

### Research Interests

#### General

Computational linguistics, experimental linguistics, psycholinguistics, artificial intelligence

#### Specific

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

## Education

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Current

### University of Konstanz

PhD in Computational Psycholinguistics

Supervisors: Junior Prof. Diego Frassinelli, Prof. 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

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### Peer-Reviewed Publications

- submitted*      **Contextual factors that trigger sarcasm**  
Hyewon Jang, Bettina Braun, Diego Frassinelli  
*Metaphor and Symbol.*
- 2023      **Figurative Language Processing: A Linguistically Informed Feature Analysis of the Behavior of Language Models and Humans**  
Hyewon Jang<sup>†</sup>, Qi Yu<sup>†</sup>, Diego Frassinelli  
*Findings of the Association for Computational Linguistics: ACL 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).*

### Non-Peer-Reviewed Publications

- 2022      **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      **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).*

### Conference Presentations

- 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 **Figurative Language Processing: A Linguistically Informed Feature Analysis of the Behavior of Language Models and Humans**  
Hyewon Jang, Qi Yu, Diego Frassinelli  
*The 12th Joint Conference on Lexical and Computational Semantics (\*SEM 2023).*
- 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

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- 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

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

Main instructor [Co-teaching with Diego Frassinelli]  
University of Konstanz

2023                    **Corpus Linguistics with Python**  
Main instructor [Co-teaching with Diego Frassinelli]  
University of Konstanz

## Awards and Grants

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2022                    **Student grant at CLEF 2022**  
*Special Interest Group on Information Retrieval (SIGIR)*

2022                    **The Doctoral Fund**  
Funding for participation in academic events  
*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

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2023                    **Computational Linguistics Reading Group**  
Organizer  
University of Konstanz

2023 –                    **Computational Linguistics Lab**  
Lab/website manager  
- Duties: lab schedule organization, website maintenance  
University of Konstanz

2022 – 2023            **Conference for early-career researchers**  
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

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| 2023 | <b>Seventh Summer School on Statistical Methods for Linguistics and Psychology (SMLP)</b><br>University of Potsdam, Germany |
| 2022 | <b>European Summer School in Logic, Language and Information (ESSLI)</b><br>National University of Ireland, Galway, Ireland |

## Skills

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### **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	intermediate