

# HYEWON JANG

Researcher in Computational Psycholinguistics

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👤 [Website](#) [G](#) [Google Scholar](#) [G](#) [Github](#)

## Research Interests

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### Topics

#### **General**

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

#### **Specific**

Sarcasm, humor, impoliteness, indirectness, implicit meaning, context, inference, speaker intention, multimodal information

### Methodologies

Experiment design, language models, statistical analysis, qualitative analysis, quantitative analysis

## Education

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02/2025	<b>University of Konstanz</b> PhD in Computational Psycholinguistics <i>Summa cum laude</i>
08/2021	<b>University of Konstanz</b> MA in Speech and Language Processing <i>very good with distinction - 1.1/1.0</i>
02/2017	<b>Seoul National University</b> BA in English Education (minor: Hispanic Language and Literature) <i>Cum laude - 3.7/4.3</i>

## PhD dissertation

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

## Employment

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### Academic

10/2021 – *current*     **University of Konstanz**     Konstanz, Germany  
*Researcher*

### Non-academic

10/2020 – 09/2021     **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, inspection of GDPR regulations

04/2019 - 08/2019     **fTrans**     Seoul, Korea  
*freelance translator*

- English-to-Korean translation of 20+ texts such as contracts, manuals or interview scripts



05/2017 – 11/2018     **Jeongsang Language School**     Seoul, Korea  
*ESL teacher*

- English teaching to students ages 9 -15


## Publications

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### Peer-reviewed publications


- Accepted*      **The morphology and syntax of an anti-honorific prefix in Korean**  
Colin Davis & **Hyewon Jang**  
*In The Grammar of Impoliteness. Trends in Linguistics, De Gruyter.*
- 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)*.

### Other publications (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).

### In progress

*In preparation*      **The Influence of Affect on Sarcasm Failure in Human Communication and its Representation in Language Models**  
**Hyewon Jang** & Diego Frassinelli

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

## Presentations

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### 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 University, 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 the Department Colloquium, University of Konstanz, Germany.*
- 04/2024      **Towards well-rounded sarcasm handling by language models**  
Hyewon Jang  
*Invited talk at MaiNLP Lab (led by Barbara Plank) @ Ludwig Maximilian University of Munich, Germany.*

### Teaching

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

## Awards and Grants

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

## Service

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### Reviewing

2025	Cognitive Science Society
2024	Cognitive Science Society ACL Rolling Review (Feb, Jun, Oct, Dec) Language Resources and Evaluation

### University Internal

2025 –	<b>Konstanz Linguistics Conference 2025</b> Co-organizer University of Konstanz
2023 – 2024	<b>Computational Linguistics Reading Group</b> Organizer University of Konstanz
2023 – 2024	<b>Computational Linguistics Lab</b> Lab/website manager Lab schedule organization, website maintenance University of Konstanz

2022 – 2024	<b>Konstanz Linguistics Conference 2024</b> Co-organizer University of Konstanz
2022 – 2023	<b>Computational Psycholinguistics and Artificial Intelligence</b> 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> University of Potsdam, Germany
2022	<b>European Summer School in Logic, Language and Information (ESSLI)</b> National University of Ireland, Galway, Ireland

## Skills

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<b>Python</b>	transformers, pytorch, sklearn, pandas, numpy, spaCy, stanza, regex
<b>R</b>	lme4, lmerTest, ggplot, tidyverse, sjPlot
<b>FindingFive</b>	experiment set-up
<b>Prolific</b>	crowdsourced data collection
<b>HTML</b>	website creation

## Languages

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<b>Korean</b>	Native
<b>English</b>	Near-native
<b>German</b>	Intermediate passive knowledge
<b>Spanish</b>	Rusty intermediate
<b>Norwegian</b>	Beginner

## References

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<b>Diego Frassinelli</b> Research associate (Akademischer Rat), LMU Munich	PhD advisor frassinelli@cis.lmu.de
<b>Bettina Braun</b> Professor, University of Konstanz	PhD advisor bettina.braun@uni-konstanz.de
<b>Valerio Basile</b> Assistant professor, University of Turin	PhD thesis examiner valerio.basile@unito.it