

HYEWON JANG

Doctoral Researcher in Computational Psycholinguistics

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General

Personal Information

Email

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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

2021 – present

University of Konstanz

PhD in Computational Psycholinguistics

Supervisors: Junior Prof. Diego Frassinelli, Prof. Bettina Braun

(Completion expected in 2024)

2019 – 2021

University of Konstanz

MA in Speech and Language Processing

Sehr gut mit Auszeichnung (very good with distinction)

2012 – 2017

Seoul National University

BA in English Education

(Minor in Hispanic Language and Literature)

Cum laude

Publications

Peer-Reviewed Publications

- 2023 **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.
- 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 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

- 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

- 2023 **Corpus Linguistics with Python**
Co-teacher [with Diego Frassinelli]
University of Konstanz

Awards and Grants

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

2022	The Doctoral Fund Funding for participation in academic events <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	Computational Linguistics Lab Lab/website manager - Duties: lab schedule organization, website maintenance <i>University of Konstanz</i>
2022 – 2023	Conference for early-career researchers Co-organizer <i>University of Konstanz</i>
2022 – 2023	Computational Psycholinguistics and Artificial Intelligence Computational linguistics research and discussion group Co-organizer <i>University of Konstanz</i>

Other Education

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

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

Korean	native
English	near-native
German	working knowledge
Spanish	intermediate