HYEWON JANG

Doctoral Researcher in Computational Psycholinguistics

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General

Personal Information

Email
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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 –

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

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 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

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]
University of Konstanz

2023   **Corpus Linguistics with Python**
Main instructor [Co-teaching 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
	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	**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

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

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