

Human Language Intelligence Lab

(HLI Lab)

Introduction

Natural language processing (NLP) refers to the branch of AI, concerned with giving computers the ability to understand text. NLP drives computer programs that translate text from one language to another, analyze sentiment from text, and summarize large volumes of text.

Since, HLI Lab was launched in September 2020, our laboratory studies machine learning especially NLP. Our lab studies various filed of NLP such as question generation, dialog summarization, hate speech detection, dialogue system and personalized language modeling. More information about our lab can be found at <https://hli.skku.edu>

Members

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Natural Language Processing

Publications (2021 ~ present)

- DongJin Jeong and JinYeong Bak, Conversational Emotion-Cause Pair Extraction with Guided Mixture of Experts, EACL 2023
- HyunJin Kim, JinYeong Bak, Kyunghyun Cho, and Hyungjoon Koo, A Transformer-based Function Symbol Name Inference Model from an Assembly Language for Binary Reversing, ASIACCS 2023
- Juhee Son, Jiho Jin, Haneul Yoo, JinYeong Bak, Kyunghyun Cho, and Alice Oh, Translating Hanja Historical Documents to Contemporary Korean and English, EMNLP 2022 Findings
- Haneul Yoo, Jiho Jin, Juhee Son, JinYeong Bak, Kyunghyun Cho, and Alice Oh, HUE: Pretrained Model and Dataset for Understanding Hanja Documents of Ancient Korea, NAACL 2022 Findings
- JinUk Cho, MinSu Jeong, JinYeong Bak, and Yun-Gyung Cheong, Genre-Controllable Story Generation via Supervised Contrastive Learning, WWW 2022
- Yohan Jo, Haneul Yoo, JinYeong Bak, Alice Oh, Chris Reed, and Eduard Hovy, Knowledge-Enhanced Evidence Retrieval for Counterargument Generation, EMNLP 2021 Findings
- YunSeok Choi, JinYeong Bak, CheolWon Na, and Jee-Hyong Lee, Learning Sequential and Structural Information for Source Code Summarization, ACL 2021 Findings