

ABCI 3.0開発加速利用（2024年度）成果概要（公開用）

課題名 : Representation Learning and Natural Language Processing	実施時期 : 2024 FY 所属機関名 : The University of Tokyo 代表者氏名 : Edison Marrese Taylor (Yoshihiro Noumi)
成果概要 : This project conducts research on Natural Language Processing, using neural nets and pre-trained models (including large language models or LLMs) to: <ul style="list-style-type: none">- Study and measure the abilities of pre-trained language models to understand semantics in different contexts, by means of zero-shot evaluation on definition modelling tasks.- Develop new techniques in vision-and-language to improve the temporal understanding of natural language in multi-modal models.	
成果のポイント : The project helped the execution of empirical experiments using Large Language Models for diverse tasks related to Natural Language Processing, concretely helping with the development of the following papers: <ul style="list-style-type: none">- Short and long-range comedy generation and understanding using Large Language Models. Edison Marrese-Taylor, Machel Reid, Alfredo Solano. 言語処理学会 第31回年次大会 (ANLP 2025)- Data Augmentation for Open-Domain Live Commentary Generation, Erica K. Shimomoto, Edison Marrese-Taylor, Ichiro Kobayashi, Hiroya Takamura, Yusuke Miyao. 言語処理学会 第31回年次大会 (ANLP 2025)- Language Models can Categorize System Inputs for Performance Analysis. Dominic Sobhani, Ruiqi Zhong, Edison Marrese-Taylor, Keisuke Sakaguchi, Yutaka Matsuo. 2025 Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics (NAACL 2025).- Multilingual Definition Modelling. Edison Marrese-Taylor, Erica K. Shimomoto, Alfredo Solano, Enrique Reid. 2025 Annual Conference of the Association for Computational Linguistics (ACL 2025) (submitted)	
成果についてより詳細な情報を提供している Web ページ、発表論文などの情報 : Please see this link for papers on ANLP 2025, this link for NAACL 2025 and this link for ACL 2025.	