

# Copilots for Cognitive Linguists 2025

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## Abstract

This presentation explores the use of Large Language Models (LLMs) as “copilots” for linguistic research in Frame Semantics and Construction Grammar. We examine the potential of conversational AI, like ChatGPT and OpenAssistant, to augment FrameNet, create new frames, and analyze constructions. We review ways of using locally-run models (DeepSeek-like) and local RAG to the same purpose. We review prompt engineering, qualitative and quantitative analysis, and controlled experiments. Results show LLMs can generate examples and analyses of constructions, expand FrameNet, and work in multiple languages. Careful prompting and critical evaluation are indispensable. Despite limitations, LLMs offer a novel approach to linguistic inquiry, and ongoing work focuses on fine-tuning and integrating them with other tools. We also discuss the development of pedagogical AI for Cognitive Linguistics, including the FrameChat tool, which uses open-source LLMs and FrameNet data to facilitate research and education.