

Ontology for Large Language Models (LLMs)

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1 Overview of our LLM Ontology

2 Challenges

1) Overview

- **Main Super-Classes:** Data-related classes (Database, Data), Model-related, Evaluation and Training Methods.
- **Individuals:** evaluation metrics, NLP tasks, word embeddings, self-supervised training techniques and (soon) models like GPT-4, Claude 3, WuDao 2.0, etc.
- **Properties:** generatedBy, storedIn, stores.

2) Challenges

- Finding a re-usable ontology.
- Deciding which classes are absolutely necessary for our ontology given the vastness of the field.
- Dealing with the blended nature of LLMs and Deep Learning.
- Be able to include new LLMs in the future.