Few-shot Relation Extraction with Prompts

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- **BSc, MSc, Open**: BSc/MSc
- **Title**: Few-shot Relation Extraction with Prompts.
- **Summary**: The relation extraction task aims to find machine-readable relation triples from a given sentence containing an entity pair. State-of-the-art models (e.g. transformers) struggle to find relations when only a few and out-of-domain samples are given as training data. The general idea of this topic area is to use prompt-based learning to build a few-shot relation extraction model. Then, the proposed models will be tested on the FewRel 2.0 benchmark (https://aclanthology.org/D19-1649/) to analyze their domain adaptation and relation extraction capabilities.
- **Prerequisites**: Experience in Pytorch/HuggingFace. Understanding of Pre-Trained Language Models.