Silver Syntax Pre-training for Cross-Domain Relation Extraction

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TASK

- Challenging cross-domain RE setup
- Domain-specific relation distributions
- Impossible to annotate for every



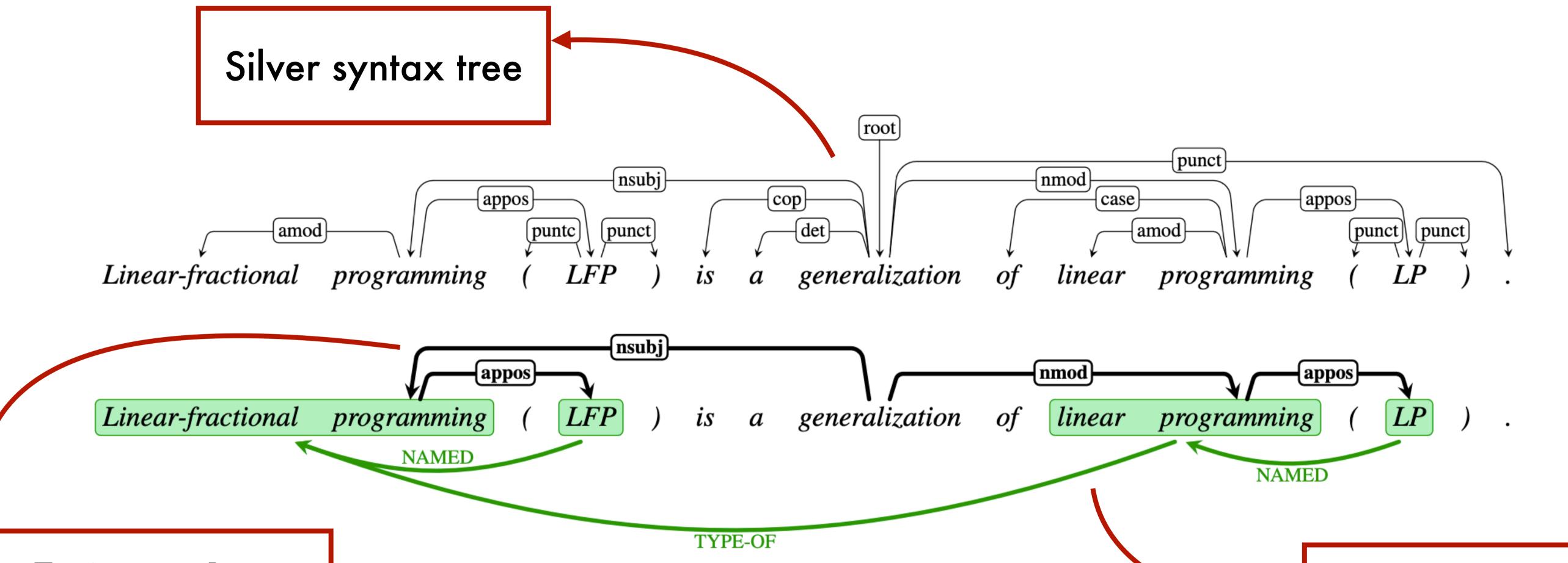
IDEA

A method exploiting the affinity between RE and syntactic parsing in order to obtain large amount of



• Small-size datasets

silver pre-training data for RE.



400

350

300

250 -200 -

150

100 -

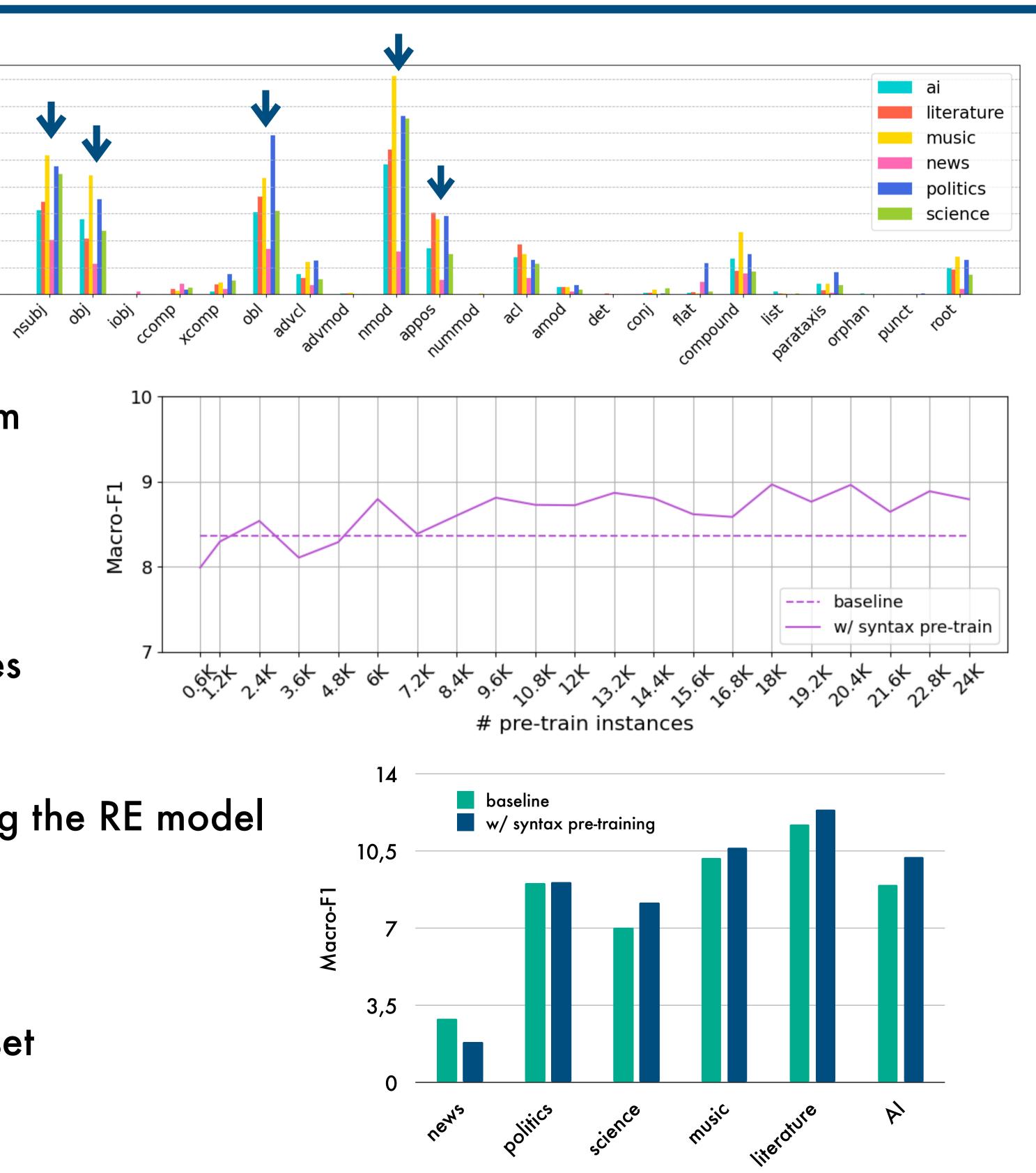
50

Train step 1: Shortest dependency paths

Train step 2: Semantic relations

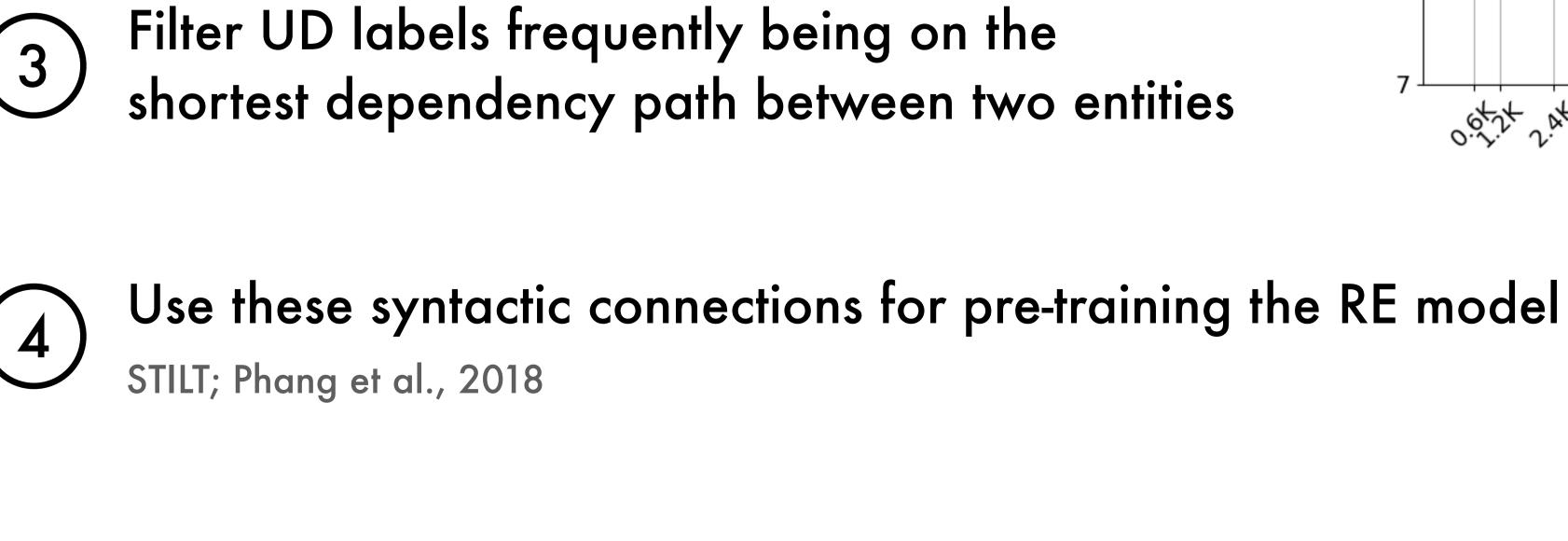
APPROACH





Infer the dependency structure of each of them

Biaffine parser implementation by van der Goot et al., 2021





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Fine-tune the RE model on the RE target dataset