

Enhancing deep parsing with input annotation from shallow tools

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My Research

Focus Integrating deep and shallow processing tools.

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Questions

- What type of information is useful at which processing stage?
- In what situations (languages, domains etc) is that information useful?
- How can the information be utilised?
- Can we measure the effects and tradeoffs we make?

Current Stage

Goal To increase robustness and improve efficiency of the PET parser by annotating the input with information from shallow processing tools.

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Recent Work

- annotating POS, named entities, . . .
- changes to PET to enable restricting the lexical entries considered during parsing
- can this be generalised?

Discussion Points

Extension to the PET input format(s)

Allow partial specification of tokens

- POS
- gender, case, number, person, ...?

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Evaluation

- making accuracy comparisons easier
- levels of accuracy?
- how much information?
- related to cross framework evaluation