TEASPN: Framework and Protocol for Integrated Writing Assistance Environments

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Writing Software

- Need to switch between multiple apps
- High implementation cost (N x M problem)

- Writers can benefit from integrated writing experience provided by their favorite writing software and WATs.

TEASPN

Developers can integrate WATs into their software by following the protocol built on Language Server Protocol (LSP).

Writing Assistance Technologies

- Syntax Highlighting
- Grammatical Error Detection
- Grammatical Error Correction
- Completion
- Text Rewriting
- Jump
- Hover
- Search

NLP researchers can integrate their research models into major writing software.

Experiments

- TEASPN vs Baseline
  - 42% said TEASPN helps them write better text
  - 83% said TEASPN provides better writing experience
  - 30% perplexity improvement

Join the effort!
Support wider writing software
More WAT implementations

https://www.teaspn.org/

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