

Discourse-based Learner Error Detection (E4)

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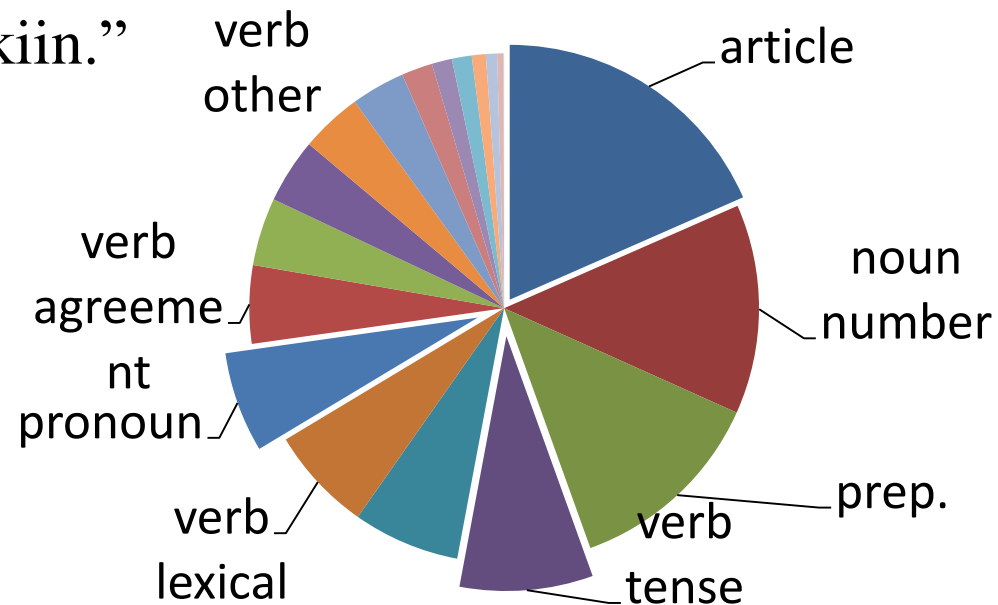
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Use of discourse information

- Various types of grammatical errors
- Detection for **verb-tense, article, pronoun errors...** requires **discourse information**.

“And I *went* there.

There **are*** some men ekiin.”



Detecting verb-tense errors

- **Temporal clues**

- Temporal clues constrain the possible verb tense.

- “I **go*** there *three years ago.*” → **went**

- No temporal clue → the same tense as the preceding sentence.

- “And I *went* there.

- There **are*** some men ekiin.” → **were**

- **Temporal reasoning + commonsense knowledge are needed.**