Exploring Student-ChatGPT Dialogue in EFL Writing Education

Jieun Han*, Haneul Yoo*, Junho Myung, Minsun Kim, Tak Yeon Lee, So-Yeon Ahn, Alice Oh
{jieun_han, haneul.yoo}@kaist.ac.kr

Paper available at

Contributions

- **RECIPE4U (RECIPE for University) dataset**: Student-ChatGPT interaction dataset within the context of real-world English as a Foreign Language (EFL) writing education
- Baseline models for two subtasks with RECIPE4U: 1) **intent detection** 2) **satisfaction estimation**
- Investigation into the **student's interaction patterns**: 1) students' dialogue patterns 2) essay edit patterns

1) Dialogue turn in RECIPE4U

You are correct. The word **"it"** is unclear in this sentence. Can you think of a way to revise the sentence to make it clearer or more specific?

EFL student

How about **changing those two sentences** to :
Even though tax is a burden, citizens constantly paying their tax.

Good job! That is a great improvement. Now let's look for any other unclear pronouns or repetitive words in the rest of your essay...

2) Student's intent

- Acknowledgment
- Negotiation
- Answer
- R for Translation
- R for Confirmation
- R for Language Use
- R for Revision
- R for Evaluation
- R for Information
- R for Generation
- Question
- Statement
- Other

3) Student's satisfaction

(1) (2) (3) (4) (5)

4) Essay edit history

📝 Original essay

... First, the budget that will used was initially for all of us. **We all citizens are paying tax, and they shout out many complaints such as 'It is too expensive.'** Even though, **it** is burden, **they pay the tax for mandatory**. Using the tax for all citizen is right. ...

📝 Edited essay

... First, the budget that will used was initially for all of us. ~~We all citizens are paying tax, and they shout out many complaints such as 'It is too expensive.'~~ Even though **tax** is **a** burden, **citizens constantly paying their tax**. Using the tax for all citizen is right. ...