

**Paper Title:** An automated tool with human supervision to adapt difficult texts into Plain Language

**Paper link:**

[https://aclanthology.org/2023.tsar-1.13/?fbclid=IwAR0Z09hht7d\\_gi7rPvcff9c6qt0sY2\\_ifda9jbqs1vqZ-efJJyOTZZb-jk](https://aclanthology.org/2023.tsar-1.13/?fbclid=IwAR0Z09hht7d_gi7rPvcff9c6qt0sY2_ifda9jbqs1vqZ-efJJyOTZZb-jk)

## **1 Summary:**

### **1.1 Motivation:**

To simplify complex written texts and also make it easier for as many people as possible to be able to read in comfort and ease to gather more knowledge.

### **1.2 Contribution:**

The study tried to reduce complex vocabulary to simplify sentences and make it easy to understand. To make texts more readable while pre-serving their original content, text simplification operates at different linguistic levels. Also, to score the complicity, the tool uses two French language tools, BARThez and CamemBERT.

### **1.3 Methodology:**

Operates at different linguistic levels (lexical, morphosyntactic, and discursive). A complexity score is computed for any given text input. The score ranges from 0 to 100, with 0 meaning the text is not clear at all, and 100 meaning it is very clear. The scoring part has been developed using two French pre-trained language models such as BARThez and CamemBERT. Takes into several parameters to evaluate the scoring and also uses the LLM approach for synonym and definition generation.

### **1.4 Conclusion:**

Too much complexity in texts can make it harder for many people to understand the context of a booklet or an article. This study has the potential to solve this problem which can also ultimately contribute to future knowledge-gathering and research activities.

## **2 Limitations:**

### **2.1 First Limitations:**

The tool was only made for the French language using French classifier language models. It didn't work for other languages.

### **2.2 Second Limitations:**

Didn't show if the suggestions given by the tool were grammatically or meaning-wise correct.

## **3 Synthesis:**

Many people might find it hard to understand a complex text and its real context if they cannot understand it completely. Moreover, many might find it boring and monotonous to read difficult texts with complex vocabulary. This tool can solve that problem too by making the texts easy to read and simple.