

# Master Thesis title / MAL izenburua

Evaluating NLG: Automatic Text Simplification

## Proposer(s) / Proposatzailea(k): names / izenak

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## Description / Deskribapena

Automatic Text Simplification (ATS) is a NLP task which seeks to reduce the grammatical and lexical complexity of a text to a certain target audience e.g. people with low literacy, foreign language learners.... As in other Natural Language Generation (NLG) tasks, the evaluation of ATS systems is a current problem: on the one hand, human evaluation is expensive and difficult and, on the other hand, state-of-the-art automatic metrics are not able to capture all the simplification operations. This project aims to understand which automatic metrics are more reliable and correlate with human judgments.

## Goals / Helburuak

- 1) Analyse the output of an automatic text simplification system
- 2) Explain the meaning of the automatic metrics in relation to the simplification operations they capture
- 3) Study the viability of new metrics (e.g. BertScore, iSTS...)

## Requirements / Betebeharrak

Linguistic background, at least basic programming skills, proficiency in at least two languages

## Framework / Esparrua

Automatic text simplification, evaluation of Natural Language Generation

## Tasks and plan / Atazak eta plana

- Analyse the literature on ATS and its evaluation
- Identify the simplification operations in corpora
- Identify what automatic metrics capture
- Explore other metrics
- Write up the report

## References

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