

Quality and Emotion Visualization in Text

Project Proposal

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1 Objective

The quality of a text is composed of a mixture of factors, some explicit and easily measurable such as vocabulary richness, sentence complexity, or the level of subjectivity and emotions; others are implicit/latent and may involve writing style, semantic cohesion, and coherence, or even specific lexical arrangements and idiomatic expressions that are less evident in a superficial analysis.

This work consists of implementing a web application that allows measuring, characterizing, and visualizing the quality and complexity of a text, as well as its emotions. The issue of graphically visualizing relevant aspects of a text is an important point to be addressed.

2 Work Plan

- T1: The main study of the problem. (🕒 2 weeks)
- T2: Prepare a text dataset as raw material to work with. (🕒 2 weeks)
- T3: Select relevant functions to characterize a text. (🕒 2 weeks)
- T4: Design, implement, and test the application. (🕒 6 weeks)
- T5: Writing of the project report. (🕒 3 weeks)

3 Academic Prerequisites

Must have good programming skills, especially in Python. Enjoy learning and exploring new domains.

4 Expected Results

A web application that well characterizes and beautifully represents the complex characteristics and emotional aspects of a text.

5 Contacts

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