

Breaking Barriers with TALL: A Text Analysis Shiny app for All

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Abstract

The rapid technological advancements in recent years allowed to process different kinds of data to study several real-world phenomena. Within this context, textual data has emerged as a crucial resource in numerous research domains, opening avenues for new research questions and insights. However, many researchers lack the necessary programming skills to effectively analyze textual data, creating a demand for user-friendly text analysis tools. While languages such as R and Python provide powerful capabilities, researchers often face constraints in terms of time and resources required to become proficient in these languages.

This paper introduces TALL - Text Analysis for All, an R Shiny app that includes a wide set of methodologies specifically tailored for various text analysis tasks. It aims to address the needs of researchers without extensive programming skills, providing a versatile and general-purpose tool for analyzing textual data. With TALL, researchers can leverage a wide range of text analysis techniques without the burden of extensive programming knowledge, enabling them to extract valuable insights from textual data in a more efficient and accessible manner.

Keywords: Natural Language Processing (NLP), Text Analysis Tools, R Shiny App, User-friendly Interface