

Research on Text Mining and Application of Building an Automatic Text Data Search Tool

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Abstract: In the context of the rapid increase in online text information, using Text Mining to process, analyze, and extract information from large data sources has become extremely necessary. This project aims to build an automated text data search tool with the goal of optimizing the information collection process. Through a combination of theoretical research and experimentation, the project applies Text Mining algorithms and statistical analysis to improve the tool's performance. The expected results will significantly contribute to the automation of text data processing and provide a practical solution for organizations that need to retrieve textual information from large sources.

Keywords: Text Mining, Text Data Extraction, Natural Language Processing, Algorithms, Information Retrieval