

# Self Attention Based Legal Document Summarization - A Technical Review

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**ABSTRACT** - In the age of technology, readers have access to a wealth of information in digital media, but it can be difficult for people to quickly and efficiently extract only the pertinent information from all of them. There is a requirement for an automated system that can only retrieve pertinent data from these data sources. Text summarization automatically creates a summary that contains key phrases and all important information from the original document. One must mine the papers' text in order to accomplish this. The technique of extracting enormous amounts of text to provide high-quality information is called text mining. Text mining establishes some of the techniques of natural language processing (NLP) such as tokenization, lemmatization, parts-of-speech (POS) tagging, parsing, etc., to perform the textual analysis. The focus of legal argument mining is the argumentative elements of a legal text. We have compiled a substantial set of cases and summaries prepared by professionals, annotated in terms of legal arguments that encapsulate the most significant skeletal argument structures in a case. In order to improve case summary, it is important to comprehend how to use legal argument mining. Numerous papers that offer a comprehensive view of the state of research in this area have been published as a result of numerous achievements in the acquisition of datasets, methods, and techniques. A thorough and organized evaluation of text summarizing research that was published between 2016 and 2021 is presented in this study. We begin with an overview of text summary before delving into extraction-based legal text summarization.