Advances in Automatic Text Summarization #1999 #9780262133593 #434 pages #Mani Maybury #MIT Press, 1999

Automatic Summarization is our answer to Information Explosion. Let us see how! Definition. Before knowing the nits and grits of automatic text summarization, let us understand what exactly is meant by â€œautomaticâ€ summarization? According to Wikipedia: â€œ Automatic summarization is the process of shortening a text document with software, in order to create a summary with the major points of the original documentâ€.Â Diagrammatic explanation of Extractive and Abstractive Text Summarization. The red lines are extracted as it is from the text, whereas the blue lines are curated by using advanced NLP Techniques. Abstractive summarization is closer to how a human would summarize a large document. However, it is not widely used because implementing it is hard . How ironic that the (automatic text summarization?) software used by Amazon to list products on their website sees the word "summarization" in the title and decides that this is an abridged edition. NOT! Look up the title in Worldcat. That said, this book is a super collection of the most important technical papers on the subject published through 1998, conveniently collected in one volume. An essential introduction to the history, terminology, and many approaches taken to further development of this critical field.Â It is happy to find the book including papers about text summarzation. I wish this book describes the techniques of text summarization rather than an collection of research papers. Read more. 6 people found this helpful. The first approaches of the automatic text summarization used only simple (surface level) indicators to decide what parts of a text include into the summary. The oldest sentence extraction algorithm was developed in 1958 [1]. It used frequencies of terms as the sentence relevance criterion. The basic idea was that a writer will repeat certain words when writing about a given topic.