Journal 3

Hassan Shakil

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1 Survey Papers

1.1 Survey Papers 1

The title of the paper is "Recent automatic text summarization techniques: a survey" written by Gambhir, Mahak and Gupta, Vishal in the year 2017 and it's publisher is Springer. Moreover, this paper has 568 citation so far.

There are many applications for text summarization, making it an intriguing area of study. This paper's goal is to familiarize researchers with certain critical information on text summarization's historical development, current state-of-the-art, and potential possibilities for the future. The survey conducted in this work would be a useful place for new researchers to start learning about the key problems surrounding text summarization. In this survey paper, popular extractive and abstractive approaches to text summarization are categorized into many groups. The recent emergence of novel summary types is examined. Summary evaluation is another difficult problem in this study area. As a result, both approaches of summary evaluation are covered in detail, including intrinsic and extrinsic factors as well as programs for evaluating text summarization that have been implemented till date. More focus current extractive methods for text summarization that have been developed. A list of the benefits and drawbacks of different strategies, as well as the relevance of each technique will undoubtedly help readers in understanding the value of each technique. Moreover, evaluation findings are presented using several common DUC datasets. The evaluation findings demonstrate that the optimization-based method obtained the best scores for ROUGE-1 and ROUGE-2 on the DUC 2002 dataset among the recent text summarization methodologies examined in this study. [GG17]

1.2 Survey Papers 2

The title of the paper is "Text summarization from legal documents: a survey" written by Kanapala, Ambedkar and Pal, Sukomal and Pamula, Rajendra in the year 2019 and it's publisher is Springer. Moreover, this paper has 99 citation so far.

Since roughly 20 years ago, text summarization has been one of the active research fields. Even though there has been a lot of work done on extraction-based summarization, the automatic creation of abstractive summaries from text sources is still a relatively new field that has not been thoroughly studied. In this survey paper, researcher made an effort to provide an overview of several text summary methods with a focus on the legal text summarization. To make it simple for a reader who is inexperienced with the field to understand the methods employed in legal text summarization, researcher began by providing a general definition of text summarization and a quick overview of current studies in the field. Writer gradually covered the various legal text summarizing technologies available in the field. In particular, they discussed some cutting-edge summarization techniques. The structure of the documents, various terminology, and task evaluation criteria are some domain-specific problems with summarization of legal text. Even though legal text summarizing scores can occasionally good as compare to general domain. [KPP19]

1.3 Survey Papers 3

The title of the paper is "A Survey Paper on Text Summarization Methods" written by Kulshreshtha, Rajat K and Srivastava, Anuranjan and Bhardwaj, Mayank in the year 2018 and it's publisher is academia. Moreover, this paper has only 2 citation so far.

The goal of this survey is to give readers, particularly young and potential linguists, a good read about the various existing methods used for text summarization. It tends to provide an overview of some of the most important strategies for summarization, ranging from superficial to rhetorical, while also categorizing the methods according to the Single and Multiple Documents used as an input. Researcher focused on various text summarizing approaches in this research. They illustrated the most widely used techniques, such as subject depiction techniques, recurrence driven techniques, chart-based techniques, and machine learning methods. Although they did not fully explain every different calculation and methodology in this survey paper. [KSB18]

1.4 Survey Papers 4

The title of the paper is "Deep reinforcement and transfer learning for abstractive text summarization: A review" written by Alomari, Ayham and Idris, Norisma and Sabri, Aznul Qalid Md and Alsmadi, Izzat in the year 2022 and it's publisher is Elsevier. Moreover, this paper has 9 citation so far.

This survey paper provides a thorough analysis of current advancements in the area of abstractive text summarization for works published over the previous six years. The challenges of the past and present are discussed, along with potential fixes. Additionally, evaluation measurements and abstractive ATS datasets are highlighted. The best models are contrasted in the survey paper, along with potential future study topics. Overall, SimCLS and CIT models outperform all other models for short document abstractive ATS models. On the other hand, the best-performing models for long-document abstractive ATS are LSH+HEPOS and BigBird-PEGASUS. [AISA22]

1.5 Survey Papers 5

The title of the paper is "Automatic text summarization: A comprehensive survey" written by El-Kassas, Wafaa S and Salama, Cherif R and Rafea, Ahmed A and Mohamed, Hoda K in the year 2021 and it's publisher is Elsevier. Moreover, this paper has 167 citation so far.[EKSRM21]

[EKSRM21]

2 Comparison of Citation Between two paper

"Recent automatic text summarization techniques: a survey" written by Gambhir, Mahak and Gupta, Vishal in the year 2017 is highly cited, this paper have almost 568 citation. On the other hand, "A Survey Paper on Text Summarization Methods" written by Kulshreshtha, Rajat K and Srivastava, Anuranjan and Bhardwaj, Mayank in the year 2018 is very low cited, this paper have just 2 citation in last four years. The reason that "Recent automatic text summarization techniques: a survey" is highly cited is that the impact of this research in academia and industry is quite high, the author's cutting edge research, the significance of the subject the paper addresses, and the standing of the journal or publication the paper is published in, these are some of the factors that makes this survey paper's ability to gain recognition and be frequently cited.

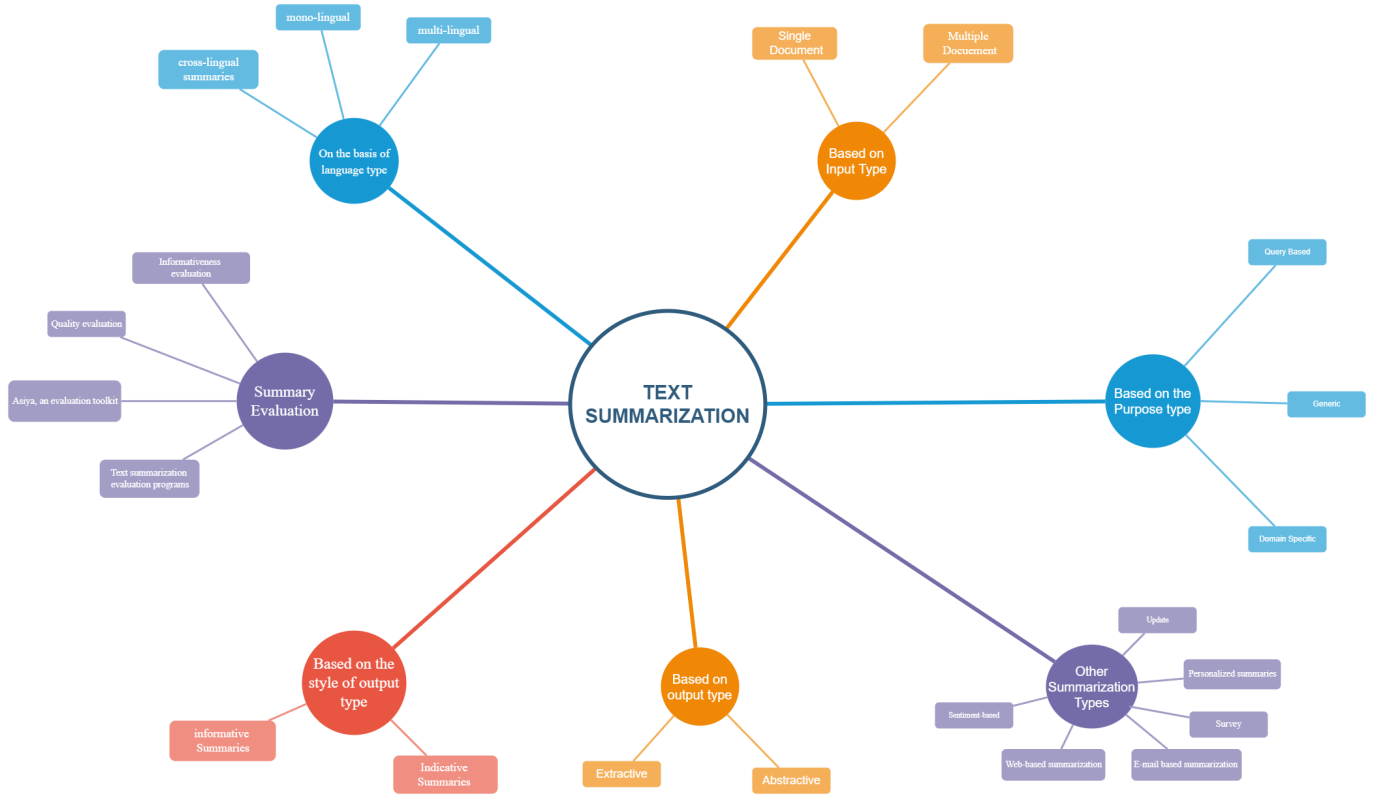# 3 Text Summarization Map

Below is the Map of Text Summarization:

Figure 1: Text Summarization Map

References

[AISA22]   Ayham Alomari, Norisma Idris, Aznul Qalid Md Sabri, and Izzat Alsmadi. Deep rein-
            forcement and transfer learning for abstractive text summarization: A review. *Computer
            Speech & Language*, 71:101276, 2022.

[EKSRM21] Wafaa S El-Kassas, Cherif R Salama, Ahmed A Rafea, and Hoda K Mohamed. Auto-
            matic text summarization: A comprehensive survey. *Expert Systems with Applications*,
            165:113679, 2021.

[GG17]   Mahak Gambhir and Vishal Gupta. Recent automatic text summarization techniques: a
            survey. *Artificial Intelligence Review*, 47(1):1–66, 2017.

[KPP19]   Ambedkar Kanapala, Sukomal Pal, and Rajendra Pamula. Text summarization from
            legal documents: a survey. *Artificial Intelligence Review*, 51(3):371–402, 2019.

[KSB18]   Rajat K Kulshreshtha, Anuranjan Srivastava, and Mayank Bhardwaj. A survey paper on
            text summarization methods. *Corpus*, 5(11), 2018.