# First article.

# A. Salloum, Mostafa Al-Emran, Azza Abdel Monem Khaled Shaalan. Using Text Mining Techniques for Extracting Information from Research Articles. [Intelligent Natural Language Processing: Trends and Applications](https://link.springer.com/book/10.1007/978-3-319-67056-0), 2017. This article describes the need for current use of text and data processing in various areas of figure. The primary goals of this research are using text mining techniques for identifying the topics of a scientific text related to ML research and developing a hierarchical and evolutionary connection among these topics. Authors cover such methods as text mining, its method and techniques, information extraction, etc. In the article was usedthree hundred refereed journal articles from six scientific databases were collected and textually analyzed through text mining techniques.

# Second Article.

# Son Doan, Elly W. Yang, Sameer Tilak, Manabu Torii. Extracting health-related causal relations from Twitter messages using Natural Language Processing. In the article, the authors try to show an unusual way to use Twitter. This messages used for monitoring health-related information. For this purpose they use methods of natural language processing, which allows to estimate the prevalence any given health problem. For the study was used corpus of 24 million tweets, collected from four cities (New York, Los Angeles, San Francisco and San Diego).It is suggested that this study can be unearthed further capturing an increasing number different health-related topics