In this era, the data of the user on social media is generating in every millisecond. The importance of data can be noted or observed as these are the reviews, emotions, and opinions of the human being in the form of text. The customer-generated data can be related to events, food, products, etc. This information is a “key to success” for those who do business or are in government and other individuals. As the data is in the form of bulk so, it is evident that to analyze a content that is generated by a user must be complicated to manage as well as it must be time-consuming. For this, we need an intelligent system that helps us to figure out whether the content is positive, negative or neutral in the form of categories. This smart system commonly named sentiment analysis (SA), opinion mining (OM), subjectivity mining, etc. Opinion mining is the systematized mining approach. Through this, we can classify, thoughts and emotions from the text, speech, and databank sources through Natural Language Processing (NLP). The actual purpose of writing this paper is to determine the idea of human emotions with the help of BERT model, where we took a dataset of IMDB movie reviews, which
are generated by a users’ data. Our experimental methodology is adequate and robust, which in turn describes the quality of sentiment analysis.

References


Index Terms
Computer Science Information Sciences

Keywords
Text classification, sentiment analysis, natural language processing, Bidirectional Encoder Representations from Transformers.