IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 8, April 2023

Web Opinion Mining

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Abstract: *The growth of the internet and social media has led to a massive amount of user-generated content in the form of reviews, comments, and feedback on various platforms. Web Opinion Mining (WOM) is a research area that focuses on extracting and analyzing these opinions to provide insights into customer behavior, market trends, and product development. In this paper, we will discuss the concept of Web Opinion Mining and its application in various domains.*

Keywords: Web Opinion Mining

I. INTRODUCTION

The growth of the internet and social media has led to a massive amount of user-generated content in the form of reviews, comments, and feedback on various platforms. Web Opinion Mining (WOM) is a research area that focuses on extracting and analyzing these opinions to provide insights into customer behavior, market trends, and product development. In this paper, we will discuss the concept of Web Opinion Mining and its application in various domains.

II. BACKGROUND

Web Opinion Mining is a subset of Natural Language Processing (NLP) that deals with the extraction and analysis of opinions from the web. The process involves the use of various techniques such as sentiment analysis, opinion mining, and text classification to extract meaningful insights from user-generated content.

The main objective of Web Opinion Mining is to analyze the user-generated content and identify the sentiments expressed towards a particular product, service, or entity. The insights obtained from Web Opinion Mining can be used by businesses to improve their products or services, enhance customer satisfaction, and gain a competitive advantage in the market.

III. METHODS

Web Opinion Mining can be classified into two main categories: unsupervised and supervised. Unsupervised Web Opinion Mining involves the use of techniques such as clustering, topic modeling, and association rule mining to extract patterns from unstructured data. On the other hand, supervised Web Opinion Mining involves the use of labeled data to train machine learning models for sentiment analysis, text classification, and opinion mining.

The most commonly used techniques in Web Opinion Mining are

sentiment analysis and opinion mining. Sentiment analysis is a process that involves the classification of text into positive, negative, or neutral sentiments. Opinion mining, on the other hand, is a process that involves the identification of opinions, emotions, and attitudes expressed in the text.

IV. APPLICATIONS

Web Opinion Mining has numerous applications in various domains such as marketing, e-commerce, healthcare, and politics. In marketing, Web Opinion Mining is used to analyze customer feedback and identify the factors that influence their buying decisions. E-commerce platforms use Web Opinion Mining to enhance the customer experience by providing personalized recommendations and improving the quality of their products or services.

In the healthcare domain, Web Opinion Mining is used to analyze patient feedback and improve the quality of healthcare services. In politics, Web Opinion Mining is used to analyze public opinion and sentiment towards political leaders and policies.

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V. CONCLUSION

In conclusion, Web Opinion Mining is a rapidly growing research area that has numerous applications in various domains. The analysis of user-generated content can provide valuable insights into customer behavior, market trends, and product development. The use of techniques such as sentiment analysis and opinion mining can help businesses enhance customer satisfaction and gain a competitive advantage in the market. The future of Web Opinion Mining looks promising with the advent of new technologies such as deep learning and big data analytics.