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Sentiment Analysis Research Gains Momentum Despite Challenges A recent surge in sentiment analysis research has highlighted its importance in natural language texts and media. However, a concise set of factors defining how human sentiment is expressed, perceived, and interpreted remains elusive. Existing solutions and systems often fall short in meeting user satisfaction levels due to the complex nature of sentiment, governed by numerous conceptual rules. This book aims to provide a research platform for developing practical solutions beneficial to society, businesses, and future research. The proposed Book Series focuses on state-of-the-art research in socially intelligent, affective, and multimodal human-machine interaction systems. It emphasizes the role of affect in social interactions and humanistic aspects of affective computing. The series will explore three broad domains: social computing, affective computing, and their interplay. Social computing examples include various social interactions enriching daily life, while affective computing encompasses computational models of emotions, bodily manifestations, and affective interfaces. This work aims to advance the understanding and practical application of social and affective computing techniques. The book presents studies and discussions clarifying sentiment analysis research challenges and opportunities. It offers an overview of current issues and provides insights into practical tools and techniques for advancing the state-of-the-art in sentiment analysis. Given article text here Looking forward to seeing everyone at the meeting tomorrow and discussing our strategies. Researchers will discover ways to analyze sentiment in online reviews and opinions, not just limited to product feedback, but also to wider topics like politics and brand perception. This book provides a comprehensive guide to affective computing and sentiment analysis, enabling researchers to enhance customer relationship management and recommendation systems. They can identify what customers are happy about or exclude items with negative feedback. Similarly, they can be applied to affective tutoring, entertainment, and troll filtering in online social communication. The chapter begins with an overview of lexicons and datasets (5.1 Introduction). Section 5.2 delves into the concept of labels, specifically standalone labels (5.2.1), dimensions (5.2.2), and structures (5.2.3). The subsequent section focuses on lexicons, including sentiment lexicons such as SentiWordNet (5.3.1.1) and SO-CAL (5.3.1.2), emotion lexicons like LIWC (5.3.2.1) and ANEW (5.3.2.2), and other specialized lexicons. The chapter also explores sentiment-annotated datasets, including sources of data (5.4.1), obtaining labels (5.4.2), and notable datasets (5.4.3). Furthermore, it touches on bridging the language gap (5.5) and the applications of sentiment resources (5.6), concluding with a summary in section 5.7.

A practical guide to sentiment analysis pdf. A practical guide to sentiment annotation challenges and solutions.