

# Making Use of Machine Learning to Automatically Detect Racism in Text from Social Media

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**Abstract.** The power of social media in the age of information technology, including Facebook, Twitter, Instagram, and other digital products, has drastically altered how people interact with one another. The creation of a digital public space that allows all individuals, groups, or social communities to interact freely and without restriction as well as expands opportunities for the achievement of goals based on interests such as political, economic, cultural, and ethnic goals also increased the likelihood of social conflicts with more complicated histories. This essay aims to investigate the role social media plays in the dissemination of racism and hate speech, as well as the variables that contribute to these phenomena. Many aspects of the context are impacted by this event. As an illustration, consider sports trolls and hate speech, cyber bullying or online racism, and racism against people or groups based on their religion, culture, or traditions. Posting hate speech, sexism, and racism (write suitably).

The capacity of governments, businesses, and civil society to control the dissemination and impact of racial hate speech on the Internet appears to have been outstripped by its rapid expansion. However, by comprehending how the political economy of the Internet encourages racism, it is feasible to develop solutions that could counteract its detrimental impacts on society. Such a process may only start to build an effective "civilising" dynamic by involving the state, economy, and civil society at both the local and global levels. Neo-liberalism and democratic freedom, however, might find such an endeavour ultimately to be enormously difficult, particularly if the underlying logical principles that support the Internet's business model cannot be altered. This essay examines the recent rise and perplexity of the Internet as a result of the influence of the Alt Right and other racist organisations, concentrating on an Australian case that exemplifies how a group could successfully utilise the paradoxes of the Internet. Using an analytical framework designed to understand the political economy and sociology of mass media dominance in the later stages of modernity, prior to the Internet, the author offers a number of recommendations on how to deal with racism on the Internet.

In our work, we have used twitter dataset for experimentation and the steps included are 1) pre-processing (cleaning text, stop word removal and stemming), 2) classification and 3) performance evaluation. The results we obtained were satisfactory.

**Keywords:** Racism, Hate Speech, Abusive Language, Social Media, and Classification.