Novel Model Technique for Fake Profile Detection Using Machine Learning

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Abstract: *False profiles have proliferated alongside the proliferation of social media, endangering users' safety and privacy. Fraud, cyberbullying, and the spread of false information are some of the harmful uses of fake profiles. This research offers a thorough analysis of the many methods used to identify false social media profiles through machine learning. It delves into many approaches, explaining their pros and cons as well as how well they work in practice, covering deep learning algorithms, natural language processing (NLP), supervised and unsupervised learning, and more. Data asymmetry, changing strategies of false profile creators, and the necessity for scalable solutions are some of the issues faced in fake profile identification, which are further discussed in the article. Our goal in writing this review is to shed light on where things stand in the field of fake profile detection research and to point researchers in the direction of possible future improvements.*

Keywords: Artificial intelligence, social networking, deep learning, NLP, and detecting fake profiles