

Data retrieval and analysis from Facebook to identify suspicious profiles using machine learning: A Literature Review

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Abstract. Social media is very popular among everyone in the modern world. It has done a massive impact to the global society. Some of the popular social media platforms among the people are, Facebook, Instagram, Twitter, YouTube, WhatsApp, Telegram, etc. Among them Facebook is the main social media platform that has billions of active users around the world. Many people share their opinions in Facebook through posts and comments on posts. And those posts and comments reach to thousands of millions of users worldwide in no time. When a person or a group of people spread harmful opinions on Facebook like hostile propaganda, fake news, terrorist activities, unethical religious activities, illicit drug distributions etc. it will pose a great threat for the national security of a country or any community as this can raise small terrorist groups, religious extremists, racists, thugs, murderers, and drug traffickers etc. Some of them could be a cause of a serious threat to the community. In Sri Lanka, these kinds of cases are normally happening on Facebook. But there isn't any proper system to monitor those activities and identify responsible people. The misuse of Social Networking Sites (SNS) especially Facebook by groups of people to spread their harmful ideas among people has grown vastly. In this work I try to monitor those people individually by retrieving data from Facebook pages and groups to perform a sentimental analysis on harmful contents in the posts and comments of the pages and groups. Here, the contents which would be threatful for Sri Lankan community are focused.

Keywords: *Facebook, social media, data analysis, social networks, data retrieve*