Abstract

YouTube is one of online video sharing platform that contains several videos and users promoting hate and extremism. Because of low barrier to publication and anonymity, YouTube is misused as a platform by most of users and communities to post negative videos spreading hatred against a particular religion, country or person. The problem of finding out of such hatred videos is proposed in this paper. For that there are several tasks: search strategy or algorithm, node similarity computation metric, learning from exemplary poles serving as training data, stopping criterion, node classifier and queue manager. There will implementation of: classification algorithm named shark search. There will be comparison of number of words in the language model based comparer, similarity threshold for the classifier and present the results of comparison using standard Information Retrieval metrics such as precision, recall and F-measure. The influential video metadata on YouTube will be studied.[1].
1. Swati Agarwal, Ashish Sureka "A Focused Crawler for Mining Hate and Extremism Promoting Users, Videos and Communities on YouTube", 2014 on “Best – first search and shark search”

2. Nisha Aggarwal, Swati Agrawal, Ashish Sureka “Mining YouTube Metadata for Detecting Privacy Invading Harassment and Misdemeanor Videos”, 2014 on “one-class classifier”.


4. Nilesh J. Uke, Dr. Ravindra C. Thool "Detecting Pornography on Web to Prevent Child Abuse – A Computer Vision Approach " 2013


**Index Terms**

Computer Science Algorithms

**Keywords**

YouTube metadata, Social Network Analysis, Hate and Extremism Detection, online radicalization