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## RESEARCH ARTICLE

# THREAT DETECTION

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### ABSTRACT

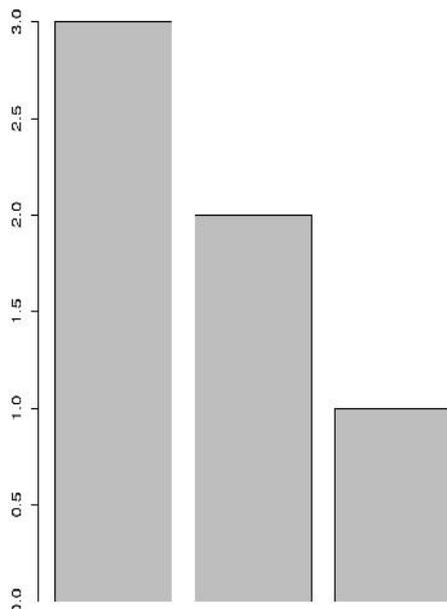
This paper reflects on a simple way to detect threat among users on the internet through their behavior.

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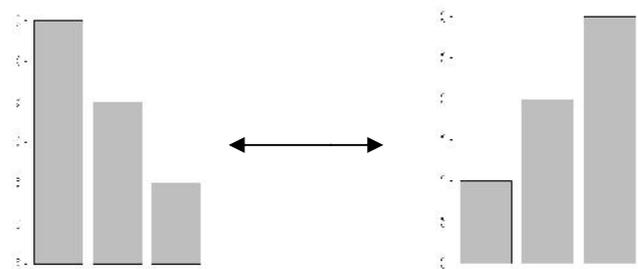
## INTRODUCTION

The usual pattern of user engagement is



**Fig 1**

That is people lose interest after some time and it shows in their activity.



**Fig 2. Figure showing an increasing pattern after a decreasing pattern of user engagement**

Initiation, Interaction and loyalty are the three dimensions along which we measure user engagement [1]. These have been extended to detect user engagement in large texts by detailing common patterns of user engagement [2]. The pattern in figure 2 could be denoted as the pattern that indicates a threat. This could be explained as follows. Along the three dimensions above, whenever the above pattern (fig 2) takes place, a threat may be assumed since the user is moving away from his usual behavior. Similarly, user behavior may be summarized along three patterns as in [2]. Threat detection in text is an important subject of research. Whenever the pattern in figure 2 occurs in user behavior, a threat could be assumed in the text since users are moving away from their usual behavior.

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[2] Trivedi, N. Topic-based engagement analysis of an online social service.

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