

Analyzing forum members by their comments

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We present a forum analysis from the messages of the users in Hungarian forum topics.

In the study, we represent the life of a forum topic, and the peoples inside the forum. We make categories and analyzing the users from their word usage.

For a user, we want to represent them with their common words, their most important sentences, plus we can compare them to another user or to the average of the topic behaviors. The paper analyze the differences from the average word usage and the average behaviors in the topic and represent it in given time, and in a timeline.

We can represent a forum topic's life. The point of views are: the new users can bring in new expressions, and the new users can be adaptable, if yes, how they adapted to the special expressions in the topics and how much time is needed to be a real member of the community.

We also represent the new user's adaptation in time, where we analyze the change of the difference based on entropy in time between the user and the community.

As well, we represent with graphs the categorization of the users. We search for the central people in the conversations, who keep the topic rolling, the average users, the outlier users whose word usage and attitude are different from the others. In the future we can detect dangerous (terrorist) users, who can use the topic for secret conversations anonymously.

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