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# The Modelization of Ideological Influences on Social Networks

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## **Abstract**

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The analysis of entities and links on social networks allows us to know both the position of the actors and the type of relationships they have with each other. But to be able to appreciate the quality and the importance of the influences between the various actors, it is necessary to perform an analysis of the semantic content of the exchanged data. This means carrying out a quantitative and a qualitative analysis of the verbal productions in order to measure the “weight” of each actor and the strength of his bond with the others. Regarding the evaluation of ideological influences, this involves a study of the circulation of ideas and concepts within a network to know in particular the leaders and the recruiters. This article proposes a methodology and a case study aimed at modeling ideological influences within a Jihadist-inspired extremist propaganda network. The objective is to show that it is possible to offer targeted solutions to counter-discourse based on an analysis of the ideological content of the networks.

## **Key Words**

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Predictive linguistics, Artificial Intelligence, Social Networks, Ideological Influences, Violent Extremism.