

INFORMATION ABOUT THE EXPERT

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DATE OF PUBLICATION	21/07/22

EXPERTISE OVERVIEW

TOPIC(S) OF INTEREST:

Defence, Security & Justice
Financial Services
Life Sciences & Healthcare

HEADLINE:

Use of the AI NLP (Natural Language Processing) for large scale text processing on both publicly available as well as confidential/internal data, using our Intelligent Tagging (iTag) technology.

POTENTIAL CONTRIBUTION:

NLP (Natural Language Processing) is used to perform analysis on large amount of unstructured data (text messages, emails, news articles, patent databases,...). Publicly available data can be put together with internally available data to complete the analysis being performed.

NLP may be used for **military intelligence**. NLP can greatly improve the understanding and prediction of human behaviours, through advanced analysis of textual data. NLP can refocus analyst's work from data mining & discovery to thinking critically and making in-depth assessments. AI also strengthens the quality of the extracted data, and helps highlighting hidden trends (i.e., you don't know what you don't know).

NLP is used to extract entities and their variants from texts – people, places, organizations, currencies,... without having to write specific keywords, as only the root of the word is considered. NLP can be used to perform sentiment analysis, and extract positive, negative or neutral sentiment to provide for example input on the presence of military forces in a specific region.

A good use case for NLP and our proprietary technology iTag is the study of the impact of the presence of Russian forces in Ukraine on European, Russian and Ukrainian citizens. The Arab Spring is another historical event that could have been better predicted. There were dozens of indicators and warnings, but research was biased. Applying NLP to large textual datasets could have helped uncovering trends and better predict the revolution.