COMBINING NLP WITH A SENSEMAKING LAYER AS APPLIED TO OSINT

ABSTRACT

AI capabilities have made significant advancement in the last decade, particularly around NLP capabilities. In parallel, OSINT has become massive in volume are relatively easy to access and collect. These advancements have given rise to a new class of challenges and opportunities – the ability to make sense of the mountain of information available; to find the signal in the noise. Finding the signal leads to tremendous advantages in decision making, speed of execution and operational support. We will explore the need and impact of a sensemaking layer on top of the mountain of OSINT material

REFERENCES

- 1. Bechini, A. et al. Addressing Event-Driven Concept Drift in Twitter Stream: A Stance Detection Application." *IEEE* Access, vol. 9, pp. 77758-77770, 2021, doi: 0.1109/ACCESS.2021.3083578
- 2. Benjamin, P., et al. Distributed information gathering, exploration and sensemaking toolkit (DIGEST). Proceedings on the international conference on artificial intelligence (ICAI). The Steering Committee of The World Congress in Computer Science, Computer Engineering and Applied Computing (WorldComp), 2016.
- 3. Khurana, D., Koli, A., Khatter, K. et al. Natural language processing: state of the art, current trends and challenges. *Multimed Tools Appl* (2022). https://doi.org/10.1007/s11042-022-13428-4