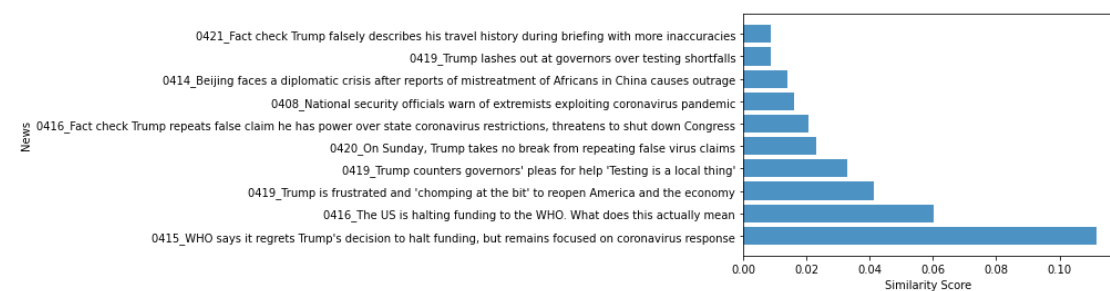
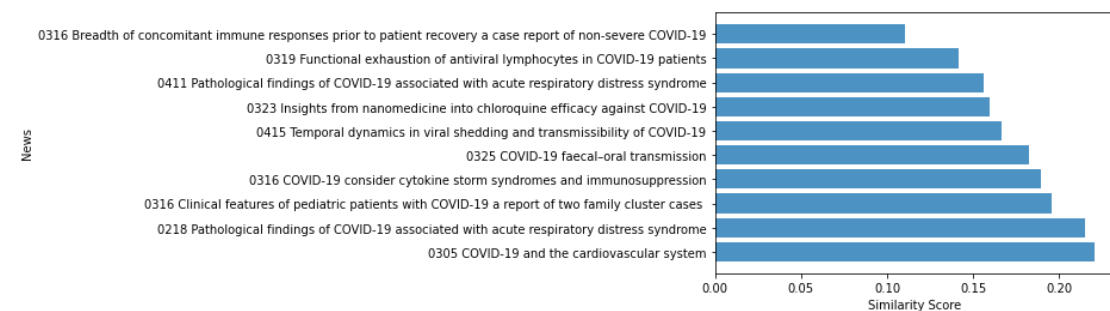


Case I: CNN news on EU



Case II: CNN news on China



Case III: Researches on COVID-19

Findings: Query results coincide some of our findings in word clouds.

Self-Evaluation & Future Development: For this project, we have not only practiced many techniques related to text mining, but also learned how to set our goal firmly, to find ways to achieve our goal, and to interpret results produced. We consider our achievement adequate for this phase, however, if time permits, we shall **collect more data** by a more efficient way (via **web crawler**), set up a **GUI** for user-friendly purpose (via **tkinter /tk**), utilize **ML algorithms** to train our mode/detect sentiment, include **Rocchio Feedback** in IR, and improve query results. For the follow-up project, we plan to construct a GUI, from which user could input any sources they want, elevate accuracy and perform sentimental analysis based on ML algorithms, and improve query results in IR.

5 keywords: COVID-19, EU/China, PPE, Politics, Transmission