How to read the code

The Python code is divided into three different notebooks:

1. <u>Social Media Analysis</u> (social_media.ipynb)

This notebook contains data collection and sentiment analysis from Instagram, Facebook, and Reddit, and a benchmark to assess the accuracy of our sentiment analysis model. Please note that the present notebook can not be run on Google Colab, since the GB required for the installation of packets to use Mistral API is not supported by the free Colab RAM.

2. <u>News Topic Modeling</u> (news.ipynb)

The news.ipynb notebook focuses on data collection and topic modeling related to collected articles. However, please note that this notebook can only be run on Colab, as the part of data collection seems to work there only.
Please note that when run, the notebook will gather different articles than those originally used for our analysis. To ensure consistency, please use the news.csv file provided in the zipped folder.

3. <u>Dashboard User Interface</u> (dashboard.py)

The dashboard.ipynb notebook contains code for building the dashboard user interface.