This folder contains 6 main files for Chapter 6 (Application) of the thesis.

\*Note: pyLDAvis visualization (html file) can be found in topic\_modelling/notebooks/pyLDAvis\_submit.html

To run the codes, in order:

6. Application.

6.1. Dataset

6.1.1. Data collection (requires Python 3.8 or above)

6.1.2. Data cleaning (R file)

6.1.3. Data preprocessing (incorporated into the respective chapters)

6.1.4. Exploratory data analysis

6.2. Sentiment Analysis

6.2.1. Sentiment classification

6.2.2. Emotion classification

6.2.3. Discussion of sentiment and emotion analysis

6.3. Topic modelling (combined with Chapter 6.4)

6.3.1. Choosing number of topics using LDA

6.3.2. Performing GSDMM

6.3.3. Topic model results and analysis

6.4. Sentiment analysis per topic