Fall 2023

**Fashion's Hidden Threads: A Comprehensive Analysis of Fast Fashion**

**Using topic modeling and sentiment analysis to study what people talk about when it comes to fast fashion, and if the unethical practices for production of clothes of various fast fashion brands affects how people think about these brands.**

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**Supplementary Material**

**Code**

* 1. Data Collection.ipynb
  + Code to get data from Reddit
* 2. Topic Modelling.ipynb
  + Code for performing Topic Modeling using BERTopic and visualizing the results
* 3. Sentiment Analysis.ipynb
  + Code for performing Sentiment Analysis using LSTM

**Data**

* stanfordSentimentTreebank Folder
  + Contains the data that is used for training the LSTM for Sentiment Analysis
* data.txt
  + Contains the processed training data for putting into the LSTM
* zara.csv
  + Contains reddit data extracted for the brand “Zara”
* hm.csv
  + Contains reddit data extracted for the brand “H&M”
* adidas.csv
  + Contains reddit data extracted for the brand “Adidas”
* shein.csv
  + Contains reddit data extracted for the brand “Shein”
* nike.csv
  + Contains reddit data extracted for the brand “Nike”
* all\_brands.csv
  + Contains reddit data extracted for all the brands mentioned above
* fast\_fashion.csv
  + Contains reddit data extracted for the topic “Fast Fashion”
* sweat\_shops.csv
  + Contains reddit data extracted for the topic “Sweat Shops”
* model.h5
  + Contains trained weights for the LSTM
* model.json
  + Contains the JSON representation of the LSTM