



ECHOES OF LATIN AMERICAN FEMINISM: WEB SCRAPING AND SENTIMENT ANALYSIS OF BBC NEWS



ABSTRACT

This study focuses on sentiment analysis of BBC news about feminism in Latin America using advanced natural language processing techniques. Through web scraping, data cleaning and tokenization, and exploratory data analysis (EDA), we investigate how the media reflect and shape the perception of feminism in the region.



INTRODUCTION

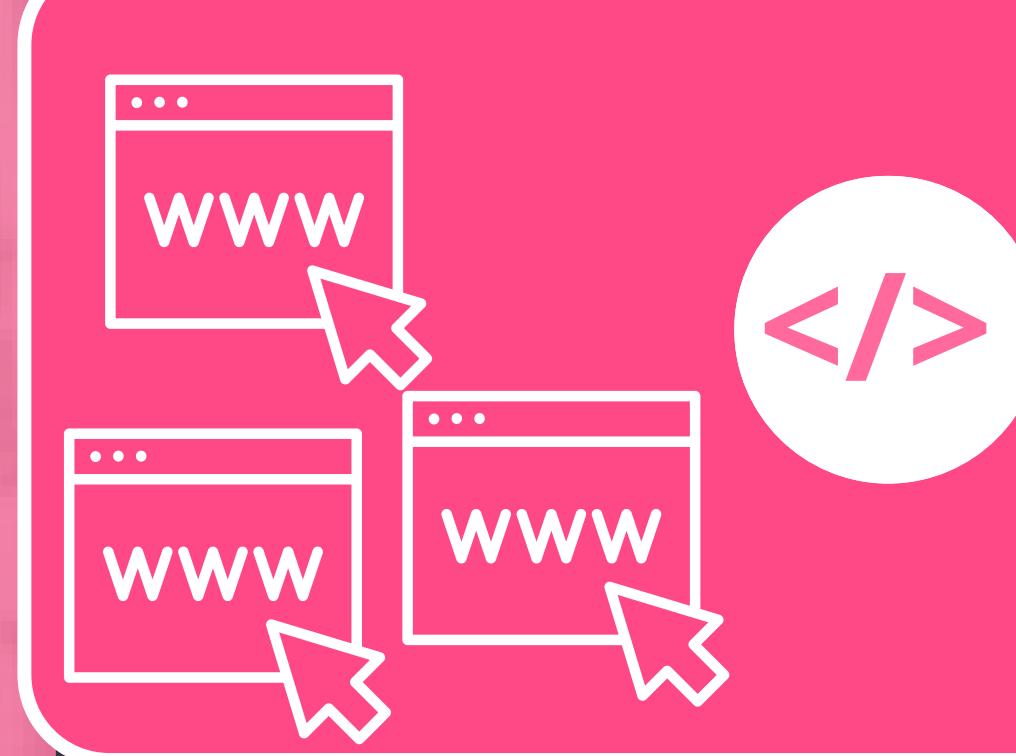
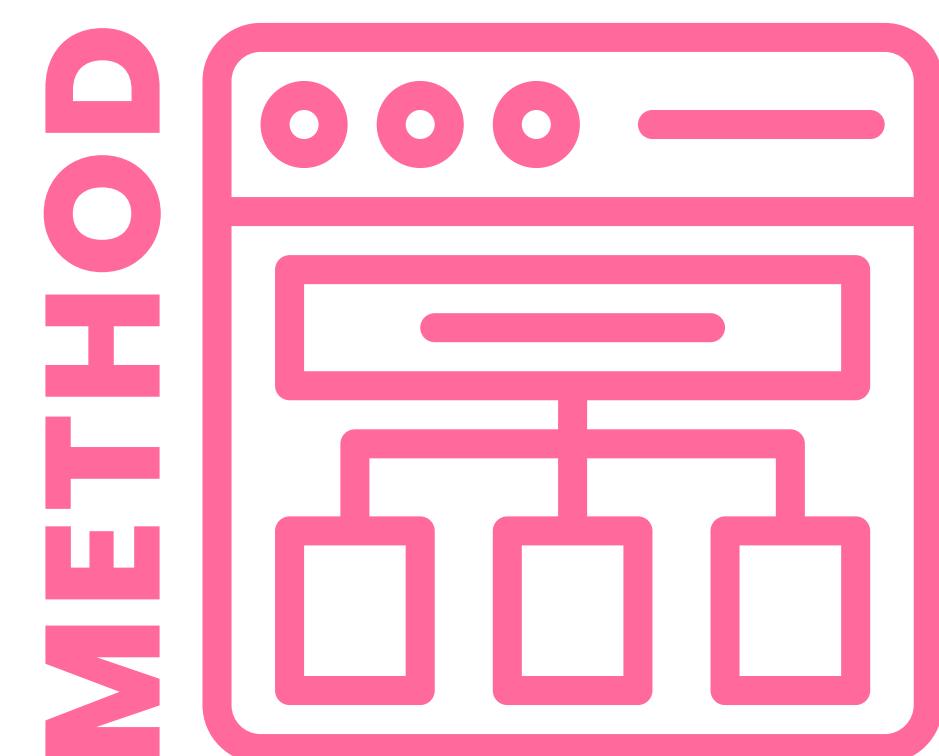
Feminism in Latin America, a vibrant movement for gender equality, faces unique challenges reflected in the media. This project analyzes how the BBC presents feminism in the region, using natural language processing techniques to examine the tone of the news. Through web scraping, cleaning and sentiment analysis, we seek to uncover trends in media coverage, classifying news stories into categories of sentiment from negative to positive.

EXPECTED RESULTS

In this study, it is expected to uncover a balanced distribution of sentiment in BBC news stories about feminism in Latin America, revealing trends and patterns in media coverage. It is anticipated to identify key words and phrases that influence the tone of the news, as well as variations in the perception of feminism. In addition, it is anticipated to generate powerful visualizations, such as word clouds, that highlight these patterns and facilitate the understanding of the media's influence on public opinion and gender equality policies.

REFERENCES

- Feminismo - BBC News Mundo.(2023). Retrieved from <https://www.bbc.com/mundo/topics/c082p5d151nt>
- Gargallo, Francesca. (2007). Feminismo Latinoamericano. Revista Venezolana de Estudios de la Mujer, 12(28), 17-34. Retrieved from http://ve.scielo.org/scielo.php?script=sci_arttext&pid=S1316-370012007000100003&lng=es&tlang=es.
- Sarkar, D. (2019). Text analytics with Python: a practitioner's guide to natural language processing (pp. 1-674). Bangalore: Apress.



Web scraping

Data Cleaning

NEW	TOKENIZED _NEW
Los feminismos son un gran ejemplo de trabajo para la transformación en Nuestra América	[“Los”, “feminismos”, “son”, “un”, “gran”, “ejemplo”, “de”, “trabajo”, “para” ...]

- E.D.A.
- Word frequency
 - Average length of news items
 - Most used words per news item
 - Stop words
 - Correlation between news

Sentiment Analysis

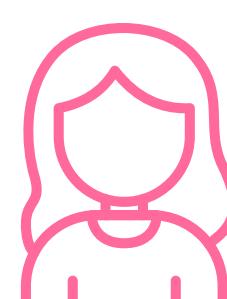
Word Cloud

EMPODERAMIENTO
derechos latam activismo violencia justicia educación mujeres feminismo mujeres



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