Detecting Hyperpartisanship and Rhetorical Bias in Climate Journalism: A Sentence-Level Italian Dataset

Funded by the European Union

UK Research and Innovation

Usage/License

Download

GitHub Repo: https://anonymous.4open.science/r/Climate_HP-RB-D5EF/README.md

Researchers

- Michele Joshua Maggini
- Davide Bassi
- Pablo Gamallo

These researchers are affiliated with the CiTIUS at the University of Santiago de Compostela.

Summary

This dataset is the first Italian resource for joint hyperpartisan and rhetorical bias detection in climate change discourse. It contains 48 articles (1,010 sentences) from far-right Italian media, annotated at the sentence level for binary hyperpartisan classification and a multi-label taxonomy of 17 rhetorical bias categories. The dataset is designed to support research on hyperpartisanship and rhetorical bias in climate-related content.

Key Features

- Sentence-level annotation for both binary hyperpartisan classification and 17 rhetorical bias categories
- Strong inter-annotator agreement (Cohen's kappa of 0.92 for hyperpartisan detection, 0.63 for rhetorical fallacies)
- Corpus analysis revealing significant correlations between hyperpartisan content and specific rhetorical techniques
- Baseline experiments using state-of-the-art models (GPT-4o, GPT-4o-mini, Italian BERTbase)

What We Offer

- A novel annotated dataset of 48 Italian climate change articles with over 1.5K rhetorical fallacy labels
- Detailed annotation guidelines in both English and Italian
- Full pipeline to recreate the dataset via article URLs (respecting copyright constraints)
- Baseline classification results across multiple model architectures and learning paradigms

Collaboration Objectives

- Advance research in hyperpartisan detection for underrepresented languages beyond English
- Provide empirical insights into how rhetorical techniques drive media manipulation in climate discourse
- Support the development of more robust, culturally-aware systems for detecting media bias across languages and contexts

hybrids

HYBRIDS Website
www.hybridsproject.eu

Get in Touch
michelejoshua.maggini@usc.es