



# Algorithmic Bias and Cultural Counterpublics: Navigating Power and Resistance in the Digital Age

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## Introduction

In the digital era, algorithms play a crucial role in shaping the information we see, the connections we make, and the content we consume. From social media feeds to search engine results, algorithms determine what is visible and what remains hidden. However, these automated systems are not neutral; they often reflect and amplify existing social biases, leading to what is known as algorithmic bias. This bias can marginalize certain groups and limit the diversity of voices online [1]. In response, marginalized communities have increasingly formed cultural counterpublics—alternative digital spaces where they create, share, and amplify their own narratives outside mainstream algorithms and dominant discourses. This article examines the interplay between algorithmic bias and cultural counterpublics, exploring how power dynamics manifest in digital spaces and how communities resist and reclaim representation.

## Understanding Algorithmic Bias

Algorithmic bias arises when computer algorithms produce systematically unfair outcomes that disadvantage particular groups, often based on race, gender, ethnicity, or other social identities. These biases can be introduced unintentionally through:

**Biased training data:** Algorithms learn from historical data, which may reflect societal prejudices.

**Design and development choices:** Developers' assumptions and values can shape algorithmic logic.

**Feedback loops:** Algorithmic decisions influence user behavior, which in turn reinforces biased patterns.

The consequences are significant [2]: marginalized groups may face underrepresentation, stereotyping, exclusion from opportunities, or exposure to harmful content. For example, facial recognition systems have shown higher error rates for people of color, and content moderation algorithms may disproportionately flag or censor minority voices.

## What Are Cultural Counterpublics?

Cultural counterpublics are alternative spaces—often online—created by marginalized or subaltern groups to resist dominant narratives and assert their identities, values, and perspectives. Unlike mainstream public spheres that often exclude or silence minority voices [3], counterpublics foster community, dialogue, and cultural expression that challenge hegemonic discourses.

Examples include:

Online forums and social media groups dedicated to racial justice, LGBTQ+ rights, indigenous issues, or feminist activism.

Alternative media platforms producing content overlooked or misrepresented by mainstream outlets.

Hashtag movements like #BlackLivesMatter or #MeToo that amplify counter-narratives and mobilize collective action [4].

These counterpublics serve as crucial sites for political resistance, cultural affirmation, and knowledge production.

## The Intersection: Algorithmic Bias and Counterpublics

While algorithms structure digital environments, they often marginalize counterpublics by limiting their visibility or restricting their reach. For instance:

Content from minority groups may be deprioritized or shadowbanned, reducing their audience [5].

Algorithmic policing of hate speech can sometimes

disproportionately target activists who use confrontational language to challenge oppression.

Recommendation systems might funnel users into echo chambers that reinforce dominant views, isolating counterpublic voices [6].

In response, cultural counterpublics develop strategies to circumvent or manipulate algorithms, such as:

Using specific hashtags or coded language to evade censorship.

Creating viral content that attracts algorithmic promotion [7].

Building tight-knit networks that share and amplify messages within trusted communities.

These tactics highlight the dynamic struggle between algorithmic power and grassroots resistance [8].

### Implications for Society

The interplay between algorithmic bias and cultural counterpublics has broad social implications:

**Democratic participation:** Algorithmic bias threatens equal access to public discourse, while counterpublics provide spaces for marginalized voices to engage and influence.

**Social justice:** Recognizing and addressing algorithmic bias is essential for combating systemic inequalities in digital spaces [9,10].

**Media diversity:** Counterpublics contribute to cultural pluralism, enriching public conversations with diverse perspectives.

**Policy and regulation:** There is a growing need for transparent, accountable algorithms and support for digital inclusion initiatives.

## Conclusion

Algorithmic bias and cultural counterpublics represent two sides of the digital power dynamic: one rooted in systemic inequities embedded in technology, the other in the resilient efforts of marginalized communities to reclaim space and voice. Understanding this relationship is vital for creating fairer, more inclusive digital environments. As algorithms continue to shape our social realities, fostering transparency, promoting diverse algorithmic design, and empowering cultural counterpublics will be crucial steps toward a more just digital society where all voices can be heard and valued.

## References

- 1 Abubakar I (2022) What Netflix's high profile flop in Nigeria says about Africa's content markets 8.
- 2 Aggarwal N, Arthofer F, Lind F, Rose J, Rosenzweig J et al. (2016) The digital revolution is disrupting the TV industry.
- 3 Ayogu GO (2021) Being a paper presented at the maiden edition of the Nigeria Union of Journalists (NUJ), ICT Correspondents Lecture Series titled: Digital Streaming Technologies: Challenges and Prospects held at the Banquet Hall, Sheraton Hotels, Abuja, Nigeria.
- 4 Camilleri MA, Falzon L (2020) Understanding motivations to use online.
- 5 Danbatta U (2022) Nigeria telephone subscribers now 195 million- NCC Godwin Isenyo Punch Newspaper.
- 6 Kamer L (2022) Subscribers of Netflix and Multichoice Showmax in Africa 2021.
- 7 Krejcie RV, Morgan DW (1970) Determining sample size for research activities Educ Psychol Meas 30:607-610.
- 8 Lee CC, Nagpal P, Ruane SG, Lim HS (2018) Factor affecting online streaming subscriptions Commun IIMA 16:125-140.
- 9 Maniar NJ (2020) Streaming Media in Seel N M (eds) Encyclopedia of the Sciences of Learning.
- 10 Atakiti IO (2017) Internet penetration and the adoption of Television streaming among stakeholders in South-West, Nigeria Being an unpublished Ph.D. thesis submitted to the Mass Commun, Babcock University.