

# The Surveillance Economy of Social Media: Has the psychological profiling of users become a tool for state-level influence operations?

May 9, 2026 | SnugLab Research | readme.snuglab.com

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## Executive Summary

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Psychological profiling of social media users has become a definitive tool for state-level influence operations and psychological warfare. The architecture of surveillance capitalism, which leverages vast psychographic data and advanced artificial intelligence, provides nation-states with a precision instrument for behavioral manipulation at scale. While the exact persuasive efficacy of microtargeting remains debated, evidence demonstrates its deployment by intelligence services and political campaigns to achieve objectives such as amplifying polarization and voter suppression, thereby eroding human autonomy and democratic processes.

## Key Findings

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### State Collaboration and Surveillance Intermediaries

A formal alliance between digital media companies and national security agencies emerged following the 9/11 attacks, with intelligence bodies like the NSA directly collecting user data from platforms such as Google, Facebook, and Yahoo [4, 5]. Tech companies now function as "surveillance intermediaries," providing governments with unprecedented access to behavioral data for surveillance purposes [3]. This collaboration extends to domestic control, as exemplified by China's integration of these commercial surveillance tools into its state apparatus [4]. This system has led to an "unprecedented concentration of knowledge" and power, creating new axes of social inequality [1, 2, 5, 7].

### Psychological Operations and Behavioral Modification

Surveillance capitalism fundamentally relies on psychographics—the segmentation of individuals by personality traits, values, and vulnerabilities—to tailor messages for maximum reception [6, 8]. When combined with big data in political campaigns, this profiling is widely characterized as a form of psychological operations ("psy-ops")

designed to induce specific emotions and elicit targeted behaviors [8]. The Cambridge Analytica scandal serves as a prominent example: the company harvested data from up to 87 million Facebook profiles to construct personality models for over 100 million US voters [6, 7]. These profiles were then used to deploy micro-targeted ads during the 2016 US presidential election and the UK's Brexit referendum [6, 7, 8]. Whistleblowers from Cambridge Analytica explicitly described these electoral campaigns as psychological operations [8]. As Shoshana Zuboff states, surveillance capitalists "sell certainty to business customers who would like to know with certainty what we do" and "to tune and herd and shape and push us in the direction that creates the highest probability of their business success" [4]. Governments, such as the UK, also utilize behavioral insights through units like the Behavioural Insight Team to "nudge" public behavior across 31 countries [8].

## The Efficacy Debate

Despite clear evidence of deployment, the actual impact and precision of these profiling tools are subject to debate:

- **Arguments for Efficacy:** Proponents argue that the architecture of surveillance capitalism, with its vast psychographic data and advanced AI, provides nation-states with a precision instrument for behavioral manipulation at scale [8]. This perspective suggests that tailoring messages to deep-seated cognitive biases and personality traits allows states to achieve influence objectives, such as amplifying polarization or voter suppression, even if not direct ideological conversion [8]. Intelligence services are reported to be actively deploying such models [8]. Research indicates that microtargeting can produce a relatively larger persuasive impact compared to alternative messaging strategies [12].

- **Arguments Against Efficacy:** Critics contend that commercial psychological profiling models, optimized for consumer engagement, inherently lack the accuracy and predictive power required for reliable political targeting and persuasion in complex real-world scenarios [8]. Empirical studies suggest that microtargeting often offers only marginal, context-dependent advantages over simpler messaging strategies [8, 11]. Furthermore, regulatory fragmentation, such as Europe's General Data Protection Regulation (GDPR), can degrade the quality and availability of comprehensive data needed for nuanced state influence operations [8, 9, 10].

## Democratic and Human Rights Impacts

Regardless of the precise efficacy of individual campaigns, these practices are widely condemned for eroding human autonomy and democratic oversight [1, 2, 7]. By manipulating populations at an intimate scale, surveillance capitalism diminishes the capacity for moral judgment and critical thinking, which are essential for a functioning democracy [1, 4]. As Harvard Professor Shoshana Zuboff notes, surveillance capitalism represents an "assault on human autonomy" [4].

## Implications

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The pervasive integration of psychological profiling into state-level influence operations has profound implications for global governance, individual rights, and democratic integrity. For governments, the availability of these tools presents a powerful, albeit ethically contentious, means to shape public opinion and behavior, potentially circumventing traditional democratic processes. For citizens, it signifies a continuous erosion of privacy and autonomy, as their digital footprint is constantly analyzed and leveraged for purposes beyond their consent or awareness. The ongoing debate regarding the precise efficacy of microtargeting suggests that while the intent and deployment are clear, the full extent of its behavioral modification capabilities is still being understood. This necessitates increased scrutiny, robust regulatory frameworks, and public education to safeguard democratic institutions and individual liberties against sophisticated, data-driven manipulation.

## Limitations and Caveats

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While the evidence strongly supports the use of psychological profiling for state-level influence operations, direct quantitative data on the precise, long-term persuasive impact of these operations on a global scale remains challenging to isolate and measure definitively. The efficacy debate highlights that commercial models, while powerful for consumer targeting, may not always translate perfectly to complex political outcomes. Furthermore, the clandestine nature of some state-level operations means that comprehensive, publicly available data on their full scope and success rates is limited. Regulatory efforts like GDPR aim to mitigate data availability, but their global impact on state actors is not fully quantified.

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