

'Mission impossible?': Tracking political misinformation and disinformation on TikTok

December 21 2021, by Nuurrianti Jalli



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TikTok is one of the [top five social media platforms in the world](#) this year.

In Southeast Asia last year, [198 million people](#), about [29%](#) of the region's population, used TikTok. It is not an exaggeration to say the platform has become one of the souk of ideas and opinions for the people in the region.

Like other interested scholars, my research team was also intrigued to look into TikTok. Specifically, we wanted to look at how information, including political [misinformation](#) and disinformation, flows on the platform. The distinction between the two forms of false information is that disinformation is intentionally, maliciously misleading.

During our eight months' [research](#), we found tracking political misinformation and disinformation on TikTok quite challenging. This was despite the fact the platform launched a [fact-checking program](#) in 2020 in partnership with [independent fact-checking organizations](#) that would "help review and assess the accuracy of content" on the platform.

Under this program, TikTok [surfaces](#) potential misinformation to its partners. It may include videos flagged by TikTok users for misinformation, or those related to COVID-19 or other topics "[about which the spread of misleading information is common](#)".

However, we still find difficulties tracking misinformation and disinformation on the platform, such as fact-checking audiovisual content and identifying [foreign languages](#) and terms.

Fact-checking audiovisual content

It is difficult to [fact-check audiovisual content](#) on TikTok.

To effectively track mis/disinformation, all content should be watched carefully and understood based on local context. To ensure the correct assessment, this required long hours of human observation and video

analysis (observing language, nonverbal cues, terms, images, text and captions).

This is why fact-checkers globally rely on public participation to report misleading content, aside from having the human fact-checkers focusing on verifying mainly viral content.

AI technology can help verify some of these posts. However, fact-checking audiovisual content still relies heavily on human assessment for accuracy.

To date, audiovisual content is [arguably one of the most challenging formats to fact-check](#) across the world. Other [social media platforms](#) face the same challenge.

In our research, we found much of the content monitored contained no verifiable claims. This meant it could not be objectively corroborated, or debunked and tagged as misinformation.

To determine which videos or comments contained inaccurate claims, we developed a misinformation framework based on the criteria for determining verifiable statements used by [VERA Files](#) in the Philippines and [Tirto.id](#) in Indonesia. Both organizations are signatories of [Poynter's International Fact-Checking Network](#).

We also considered the 10-point list of red flags and tips in identifying misinformation provided by Colleen Sinclair, an associate professor of clinical psychology at the Mississippi State University.

IDENTIFYING MIS/DISINFORMATION

MIS/DISINFORMATION IDENTIFICATION GUIDELINES

STATEMENT OF FACT

A statement of fact pertains to claims and/or posts that can be verified to be either true or inaccurate (i.e. fake, false, misleading, baseless, or lacking in context). Opinions, predictions, speculations, and other similar statements are not eligible for fact-checking because they cannot be independently corroborated or debunked by publicly available information.

RELEVANCE

The claim or post should be relevant to the public interest — in the case of this research, relevant to the issues selected by the research team for each country (i.e. Indonesia's Omnibus Law on Job Creation, the Philippines' Anti-Terrorism Law of 2020, and Malaysia's #makeschoolsaferplace campaign).

FEASIBILITY

For a claim or post to be deemed fact-checkable, there should be "readily available" credible records or experts that may be interviewed on the topic to corroborate, debunk, or give it context (VERA Files, 2020).

Infographic by Dr. Nuurianti Jalli

We based our misinformation framework on the criteria for determining verifiable statements used by VERA Files in the Philippines and Tirto.id in

Indonesia. Credit: Nuurrianti Jalli (2021)

Using this misinformation framework, we found the majority of the videos and corresponding comments monitored carried mere subjective statements (opinion, calls to action, speculation) or were difficult to verify due to a lack of feasibility.

Examples included comments on Indonesia's controversial new Labor Law known as the [Omnibus Law](#), debates on the inappropriateness of rape jokes in schools which initiated [#MakeSchoolASaferPlace](#) movement in Malaysia, arguments surrounding poor government policies in Malaysia amid COVID-19 which started another online campaign [#kerajaangagal](#), and the [Philippines Anti-Terrorism Law](#). These comments were deemed not verifiable, since they were emotionally driven and based on users' opinions of the issues. Therefore, they could not be tagged as containing or possibly containing mis/disinformation.

These findings could be different if content creators and video commentators integrated statements of fact or "feasible claims" that we could cross-check with credible and authoritative sources.

Identifying diverse languages, slang and jargon on TikTok

Some fact-checkers and researchers have previously noted that diverse languages and dialects in the region have made fact-checking difficult for local agencies.

In this study, we likewise found that slang makes it harder to track political mis/disinformation on TikTok even when we analyze content

uploaded in our mother tongue.

Factors like generational gaps and lack of awareness of trendy slang and jargon used by content creators and users should not be underestimated in fact-checking [content](#) on the platform. Undoubtedly, this will also be an issue for AI-driven fact-checking mechanisms.

Difficult for everyone

During our research, we realized that tracking misinformation on the platform can be a bit more challenging for the research team and common people.

Unless you are a data scientist with the ability to [code Python API](#) to collect data, scraping data on TikTok would require manual labor.

For this project, our team opted for the latter, considering most of our members were not equipped with data science skills. We tracked misinformation on the platform by manually mapping out relevant hashtags through TikTok's [search function](#).

TIKTOK SOUTHEAST ASIA

TRACKING POLITICAL MISINFORMATION AND DISINFORMATION ON TIKTOK

INDONESIA

For Indonesia, we scraped 50 TikTok videos related to **Omnibus Law protests** uploaded from October 1, 2020, until April 28, 2021. We selected five trending hashtags, **#tolakomnibuslaw** (2.5B views), **#mositidakpercaya** (1.6B views), **#tolakruuciptakerja** (1.5B views), **#omnibuslaw** (1.3B views), and **#omnibuslawciptakerja** (208.5M views), which collectively recorded over 7 billion views at the end of April 2021.

MALAYSIA

For Malaysia, we collected 50 videos related to **Make School A Safer Place and Kerajaan Gagal online campaigns** uploaded on the platform from April 1, 2021, until May 20, 2021. We selected three trending hashtags related to these two events; **#MakeSchoolASaferPlace** (10.5M views), **#MakeSchoolsSafe** (1.6M views), **#KerajaanGagal** (3.7M views), which collectively garnered more than 15 million views on TikTok as of the end of May 2021.

THE PHILIPPINES

For the Philippines, we focused our search by looking at public discontent toward the **Anti Terror Bill 2020 (ATA)** enacted by President Duterte in 2020. We collected 50 TikTok videos related to ATA 2020 posted between July 1, to July 14, 2020 (at the peak of the protests), by exploring the top 5 trending hashtags - **#JunkTerrorBill** (9.0M views), **#JunkTerrorBillNow** (2.4M views) **#AntiTerrorBill** (1.1M views), **#JunkTerrorLaw** (73.1K views), and **#JunkTerrorBillNowPH** (44.1K views). Collectively these hashtags reaped over 12.5 million views.

Infographic by Dr. Nurrianti Jalli

All TikTok videos were extracted manually and organised for fact-checking. The fact-checking framework for this project was developed based on the framework used by VERAfiles and Tirto.id. Credit: Nuurrianti Jalli (2021)

A downside we observed in using this strategy is that it can be time-consuming due to the search function's limitations.

For one, TikTok's Discover tab allows users to sort the results according only to relevance and/or total number of likes. They can't sort results by the total number of views, shares and/or comments.

It also allows one to filter results by date of upload, but only for the last six months. This makes searching for older data, as in our case, difficult.

As such, we had to manually sift through the entries to find relevant videos with the most views or highest number of engagements uploaded within our chosen monitoring period.

This made the process quite overwhelming, especially for the hashtags that yielded thousands (or more) of TikTok videos.

TikTok should be thinking of improving its [platform](#) to allow users to filter and sort through videos in search results. Specifically, they should be able to sort by number of views and/or engagements and customized date of upload. Interested individuals and fact-checkers would then be able to track political mis/disinformation more efficiently.

This would help TikTok become less polluted with false information as more people would have the means to monitor mis/disinformation

efficiently. That could complement existing efforts by TikTok's own fact-checking team.

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