

Primer's Technology Being Deployed To Reverse Strategic Overmatch In Information Domain

In March 2020, at the onset of the COVID-19 pandemic, US officials were alarmed when text messages and social feeds of millions Amercians lit up with a false message that the country was locking down and troops would be sent to the streets.

It was an effective tactic in China’s arsenal to sow discord, undermine our democratic institutions, and advance its strategic objectives. Opponents of the West in recent years have expanded their strategic overmatch in the information space. Our adversaries possess powerful capabilities to produce large volumes of disinformation faster than we can detect, understand, and counter their efforts.

With the advent of new technologies like GPT-3 we are on the cusp of a paradigm shift in information warfare: our adversaries increasingly will be able to flood online networks with algorithmically generated messaging that is nearly indistinguishable from human generated text to instantly deliver highly targeted content to Western populations.

Pending GPT-3 release will put strategic overmatch on steroids

Over the past several years, researchers have had success detecting algorithmically generated text by training models to identify "tells" in the text content. However, a new generation of large-parameter language models (e.g. GPT-3) will soon make it largely impossible for most commercial tools to detect synthetic text because they lack predictable 'tells.' This past March researchers in the U.S. open sourced another version of GPT-3, GPT-NEO, making this technology generally available to the public at large.

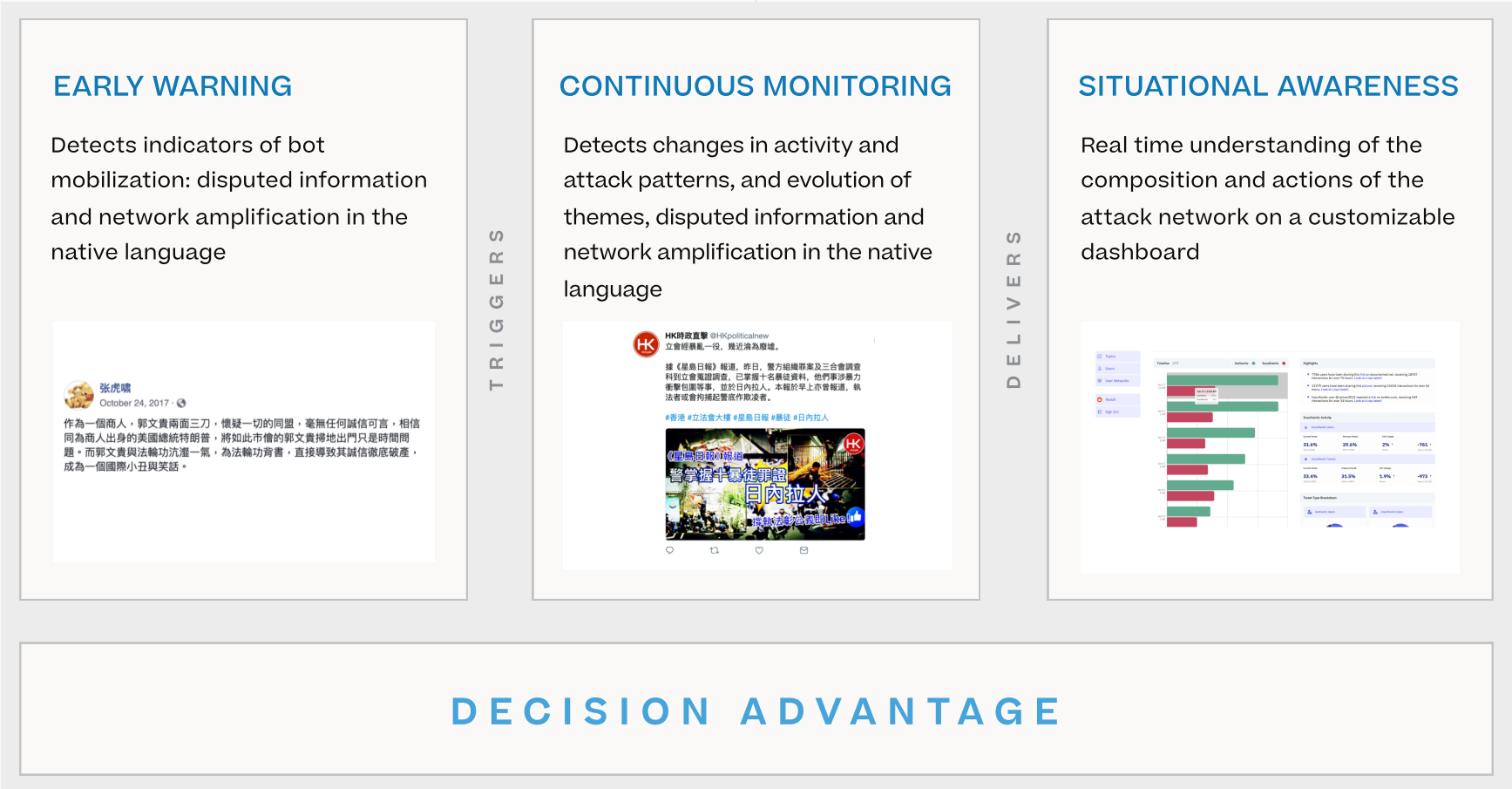
Neutralizing this strategic overmatch requires significant near-term investments in Natural Language Processing/Generation (NLP/G) technologies along three key lines of effort:

		COMPETITORS	::: Primer
DETECT ALGORITHMICALLY AMPLIFIED / MANIPULATED CONTENT	The cost of using bots to synthetically amplify content continues to plummet.	✓	✓
DETECT ALGORITHMICALLY GENERATED CONTENT	It is nearly costless for our adversaries to flood online networks and outlets with synthetically generated content.		✓
DETECT HUMAN GENERATED CONTENT	It is cheap and easy for our adversaries to enlist thousands of people to draft, amplify, and reinforce strategic messaging.		✓

Only Primer’s NLP platform can reverse the strategic overmatch

Primer has been planning for these advancements and, in collaboration with US intelligence and defense organizations, has developed a next generation NLP platform to detect both known and unknown disinformation threat vectors. Primer’s NLP platform and disinformation modules provide organizations with a self-updating sourced and referenced knowledge base of events, entities and relationships to help them identify

new claims that are gaining traction, which groups are promulgating potentially spurious claims, and which audiences are being targeted. This additional context enables early warning and a means to constantly monitor the information landscape so operators can quickly contrast the claims that are being made against a dynamically updating ground truth knowledge base.




Primer’s growing disinformation toolkit

01 DISPUTE DETECTION AND SUMMARIZATION

This capability relieves operators of time consuming manual data curation to detect disinformation. It allows them to identify information operations sooner and enables them to inform their counter-strategies.

Rights group calls on UN to probe China for crimes against humanity

DISPUTED INFORMATION HAS BEEN DETECTED



A human rights group has appealed to the United Nations to investigate allegations China’s government is committing crimes against humanity in the Xinjiang Uighur Autonomous Region. A spokesman for the ruling Communist Party on Monday rejected accusations Beijing has committed genocide or crimes against humanity in the Xinjiang Uighur Autonomous Region.

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Mirzat Taher

Human Rights Watch

United Nations

China


Xinjiang


Al Jazeera, Japan Times, and 62 more | Apr 19, 2021
14 Unique Documents | Significance: 4.9 | Sentiment neut

02 CLAIMS EXTRACTION

Once the disputed information is identified, Primer’s algorithms extract the specific facts associated with a dispute and clusters these related claims together. This automated NLP sequence is critical because state-level actors and their proxy groups may be running dozens of separate campaigns at different levels of maturity at any given time.

Claims Discovered in Dispute


 China has denied allegations of abuse and genocide, blaming "anti-China forces" for "some distorted coverage" in Western media.
Australia urged to act after human rights report reveals 'horrifying' case of Uighur jailed in Xinjiang
Original Source: Special Broadcasting Service | Apr 19, 2021

 China has denied the United Nations unfettered access to the region to investigate.
Group urges UN to probe China against humanity
Original Source: The Independent | Apr 19, 2021

03 CLAIMS PARTITIONING AND ATTRIBUTION

Automatically partitioning the claim and the counterclaim of a disinformation campaign allows operators to quickly see what is being said on each side of a dispute.

Claims Discovered in Dispute

 On Wednesday, China described the US assertion as “the biggest lie of all that rides roughshod over international law” and suggested the report was based on testimonies from “trained” actors and actresses.
US, China fight over claims of ‘genocide’ in Xinjiang
Original Source: Daily Nation (Kenya) | Apr 02, 2021

Side A

United States

Side B

China

Additional Features

Primer continuously updates its NLP platform and can tailor models to client-specific needs. We are also able to process sensitive government reporting with our on premise deployments. Some of our additional features include:

- NATIVE LANGUAGE NLP FOR RUSSIAN AND CHINESE

→ DISPUTE IDENTIFICATION AND CLUSTERING

→ CLAIMS IDENTIFICATION, CLUSTERING, AND SUMMARIZATION
- EVENT DETECTION AND SUMMARIZATION

→ SOCIAL NETWORK ANALYSIS

→ SYNTHETIC TEXT DETECTION
- INFORMATION CONTENT TRACING

→ BOT DETECTION

→ TOPIC MODELING

Contact us
to learn more

Primer National Security Group | natsecgroup@primer.ai
1201 Wilson Blvd. Arlington, VA 22209