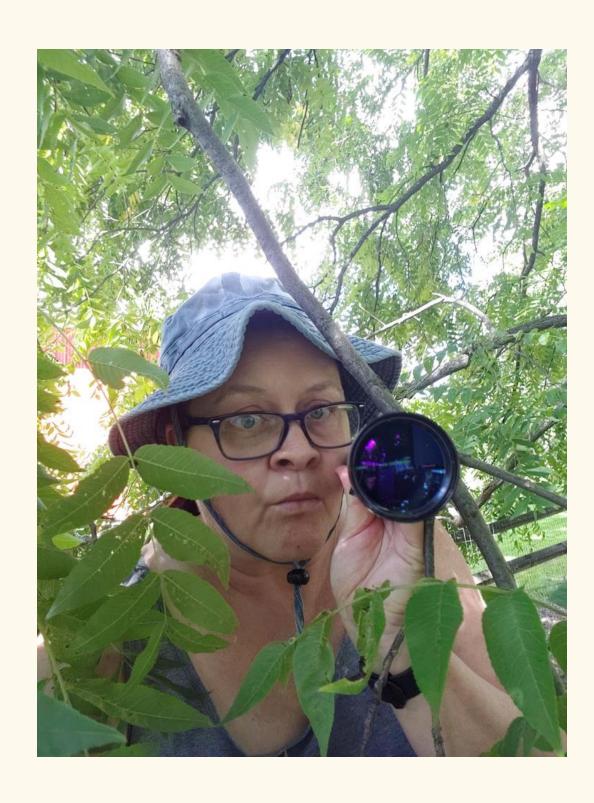
Infodemics

How to identify disinformation and inoculate the public against it.





Presented by:

Dr. Pauline Hoffmann, infodemiologist

New York State Senior Public Health Fellow, Cattaraugus County Associate Professor, Jandoli School of Communication, St. Bonaventure University Richard P. Nathan Public Policy Fellow, Rockefeller Institute of Government Owner, Data Doyenne NOT - a conspiracy theorist

Learning Objectives:

Tell the difference between disinformation and misinformation and recognize identifiers.

Craft and implement strategies to address misinformation and disinformation.

Learn how to communicate with those who believe disinformation.



- Knowingly sharing false information with intent to harm or profit.
- Examples?

Misinformation

- Sharing of false information without intent to harm.
- Examples?







Big Whoop. Who Cares?

- 60% of respondents think misinformation and disinformation are major world problems.
- 75% of respondents feel that disinformation is a threat to democracy in the U.S.
- 63% feel as though disinformation infringes on human rights.
- 52% say disinformation makes them feel stressed and anxious.

Big Whoop. Who Cares?

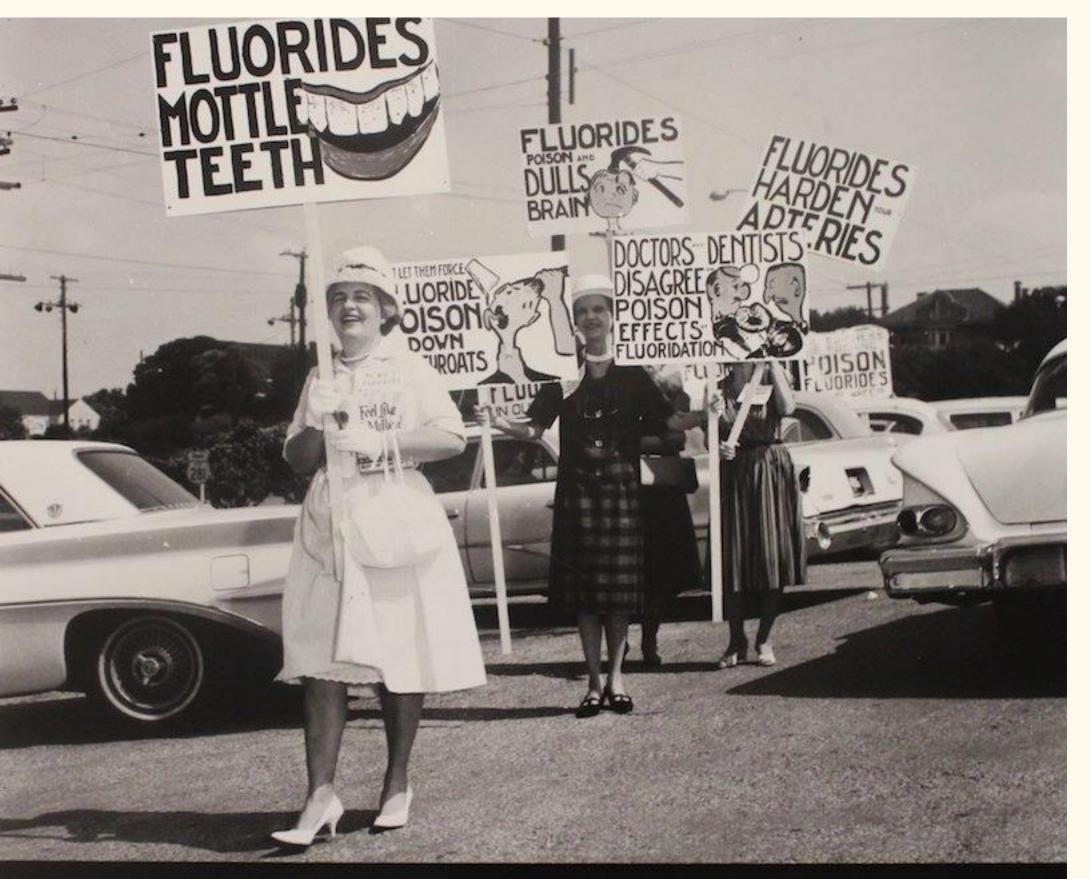
- People trust families (35%), people like me (27%) and friends (22%).
- Business is seen as the most trusted institution.
- Trust in government and trust in media are declining equivalently.
- 62% say the social fabric has grown too weak in their country.
- 20% of respondents are willing to live in a neighborhood with those who disagree with them.
- 30% would help them if they were in need.
- 20% would want to work with them.

Big Whoop. Who Cares?

"Among YouTube videos about emerging infectious diseases, 20–30% were found to contain inaccurate or misleading information."

YouTube is considered the second most visited search engine in the world after Google.

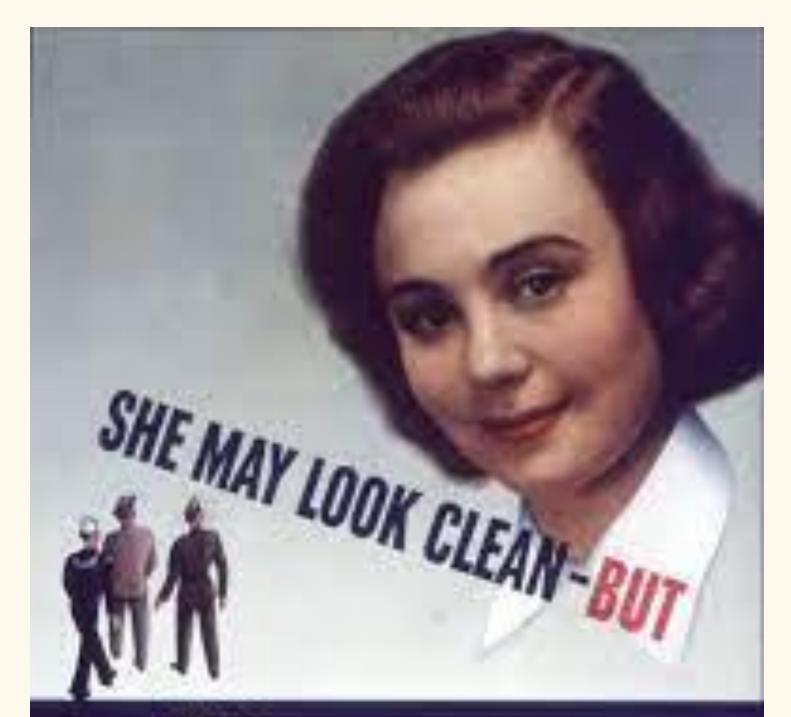
WHO considers the infodemic a public health crisis.



Pickets outside a water fluoridation hearing at McAllister Auditorium. Photograph by Joe Barrera, June 4, 1964.

San Antonio Express-News Photograph Collection.





PICK-UPS
"GOOD TIME"GIRLS
PROSTITUTES

SPREAD SYPHILIS AND GONORRHEA

MARIHUANA

WEED with ROOTS In HELL

NOT RECOMMENDED FOR CHILDREN

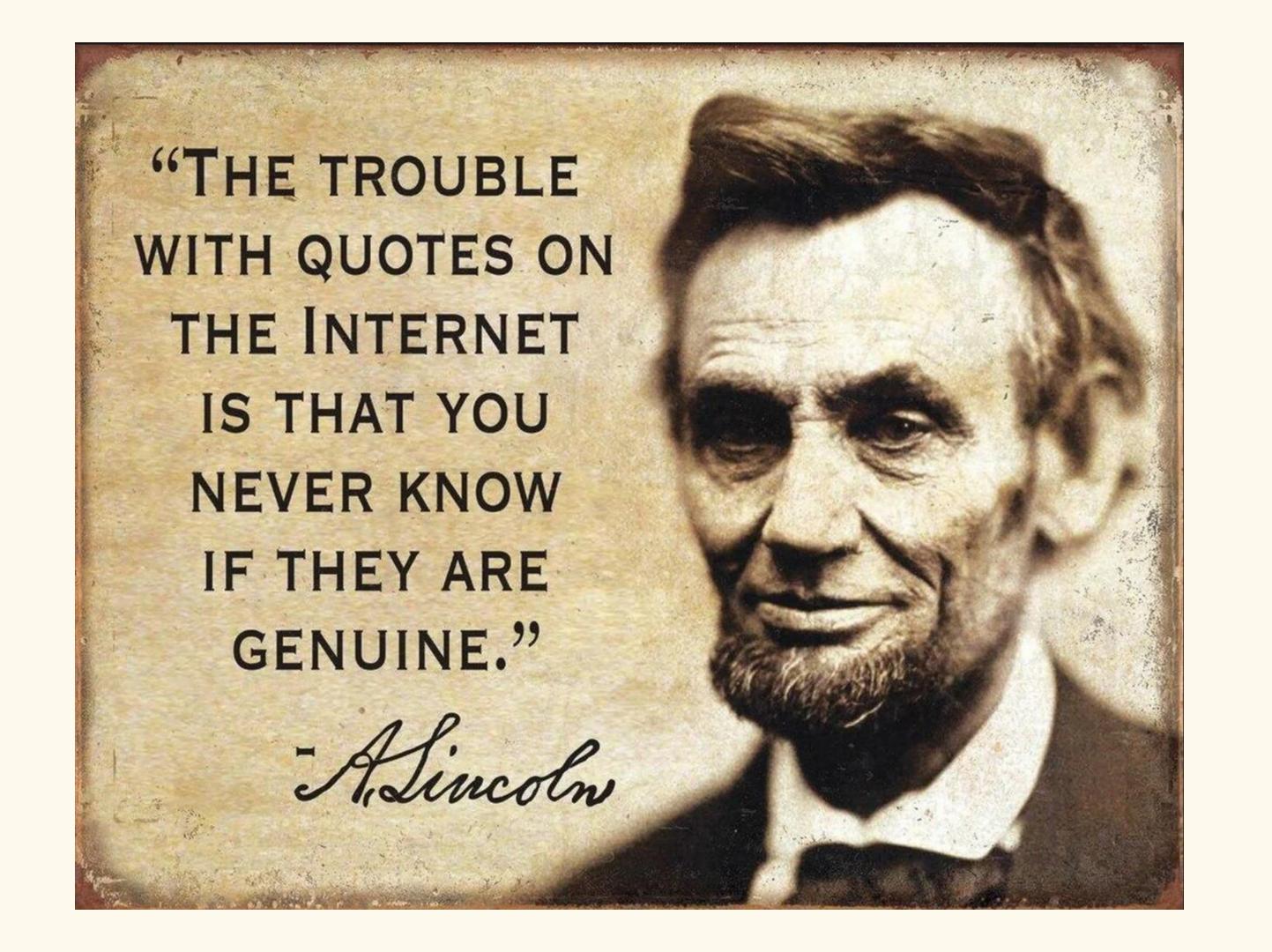






WILD PARTIES







- Signals (Word of Mouth)
- Printing Press
- Typewriter
- Radio
- Television
- Internet
- Social Media



- Confirmation Bias
 - Look for others like you
- Cognitive Bias
 - Fear, emotion, anxiety
- Partisan Bias
- Post-truth
 - Trust emotions over facts/logic
- Simplification of Complex Issues
- Echo Chamber
 - Self-selection
- Filter Bubble
 - Personalization
- Trauma/Trust



False Connection

Headlines, visuals, etc. don't support the content.

"Coming Soon: an implanted pacemaker that dissolves away after use." (from HealthDay)

Not so fast.....



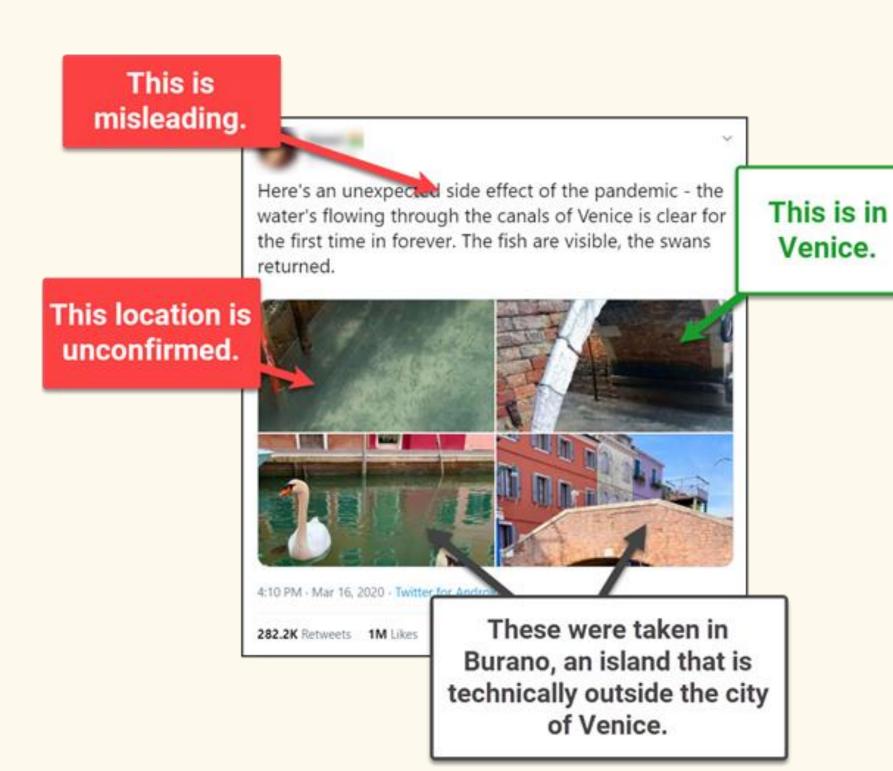
Tweet re: Gaza (from 2018 in Syria - recycled in 2019 re: Libya)

Types of Disinformation Manipulated

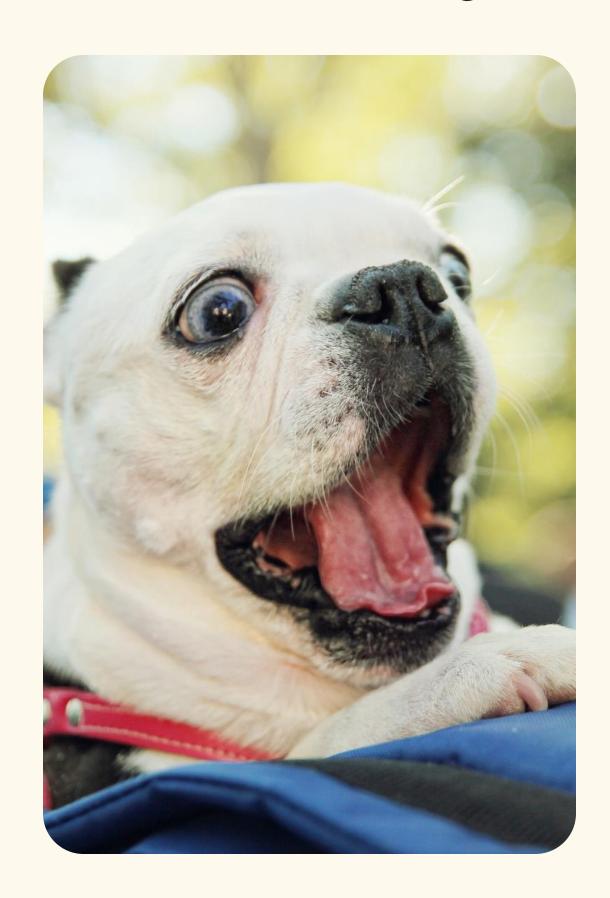
Content use Content text or altered altogether.



Misleading Content



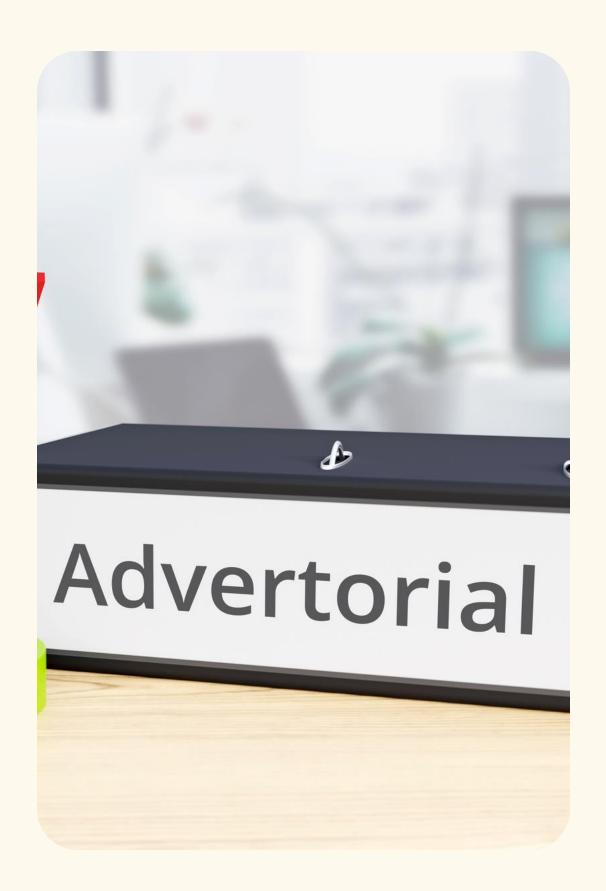
Using false connections or content to frame and issue or someone.



Fabricated Content

Just make stuff up.

AOC (Alexandria Ocasio-Cortez) said "It's okay to eat pets if food runs scarce during Covid."



Sponsored Content

Advertising or editorials disguised as content.

Types of DisinformationFalse Context

Something very poetic about a king in a golden coach being driven over a load of potholes filled with wet sand because no one in his country has the money to fix the roads properly Imao



Genuine content shared using false context.

(Protecting horses from drain holes.)

Types of Disinformation Satire or Parody



Not intending to cause harm but may.



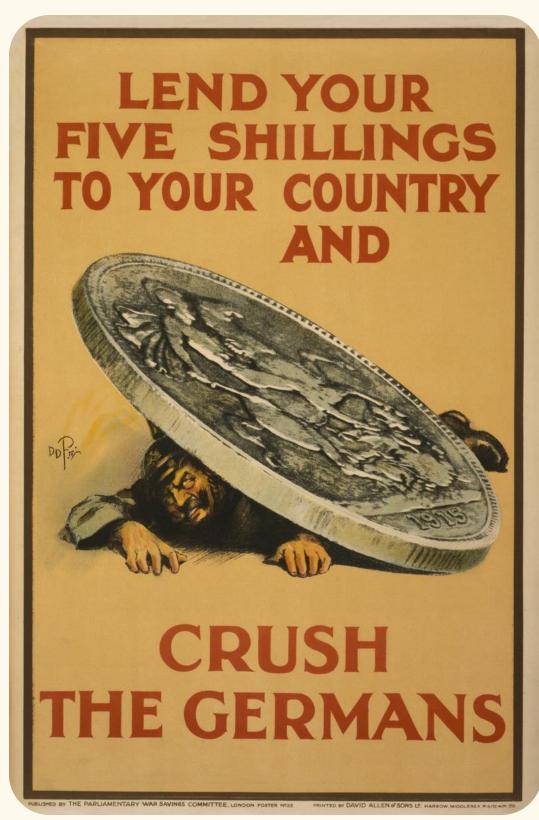
Imposter Content

Genuine sources are impersonated.

CNN.com (not CNNNews.net)

JoeBiden.com (not JoeyBidden.com)

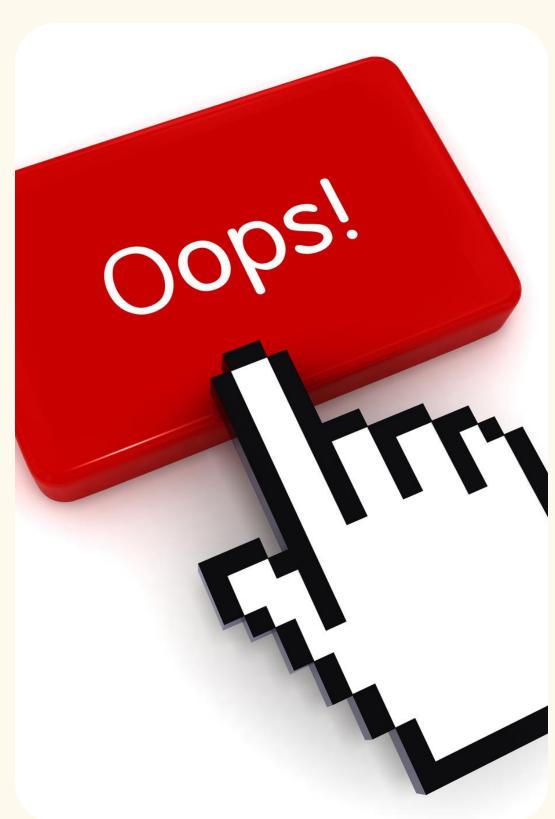
Types of Disinformation Propagand



Propagand a

Using content to manage values, behaviors, knowledge.

Types of Disinformation Error



Sometimes we make mistakes. Whoops.

Red Flags:

Let that sink in....

The media won't report this.

Make this go viral.

Do your own research.

There are no coincidences.

Anonymity
Trust
Rush to judgement
Taken out of context
Literacy issues
Fear of the "other"
Nomenclature
Scientific method

Justin Trudeau, premier of Canada, Tweeted in 2022:

"Canada denounces the Iranian regime's barbaric decision to impose the death penalty on nearly 15,000 protesters," the English tweet said. "These brave Iranians were fighting for their human rights — and we continue to stand united in support of them, and united against the regime's heinous actions."

Trudeau's team took the Tweet down after about 12 hours.

His account had 6.3 million followers at the time.

That Tweet was shared by Viola Davis, actress and producer, who had 1.8 million followers at the time.

When Trudeau removed the Tweet, it remained on Davis' account.

Certainly 6.3 million and 1.8 million people didn't see that Tweet nor did they share it, but they could have. That's just two people. Think about the reach beyond just those two individuals.

Rapper Nicki Minaj tweeted in September, 2021:

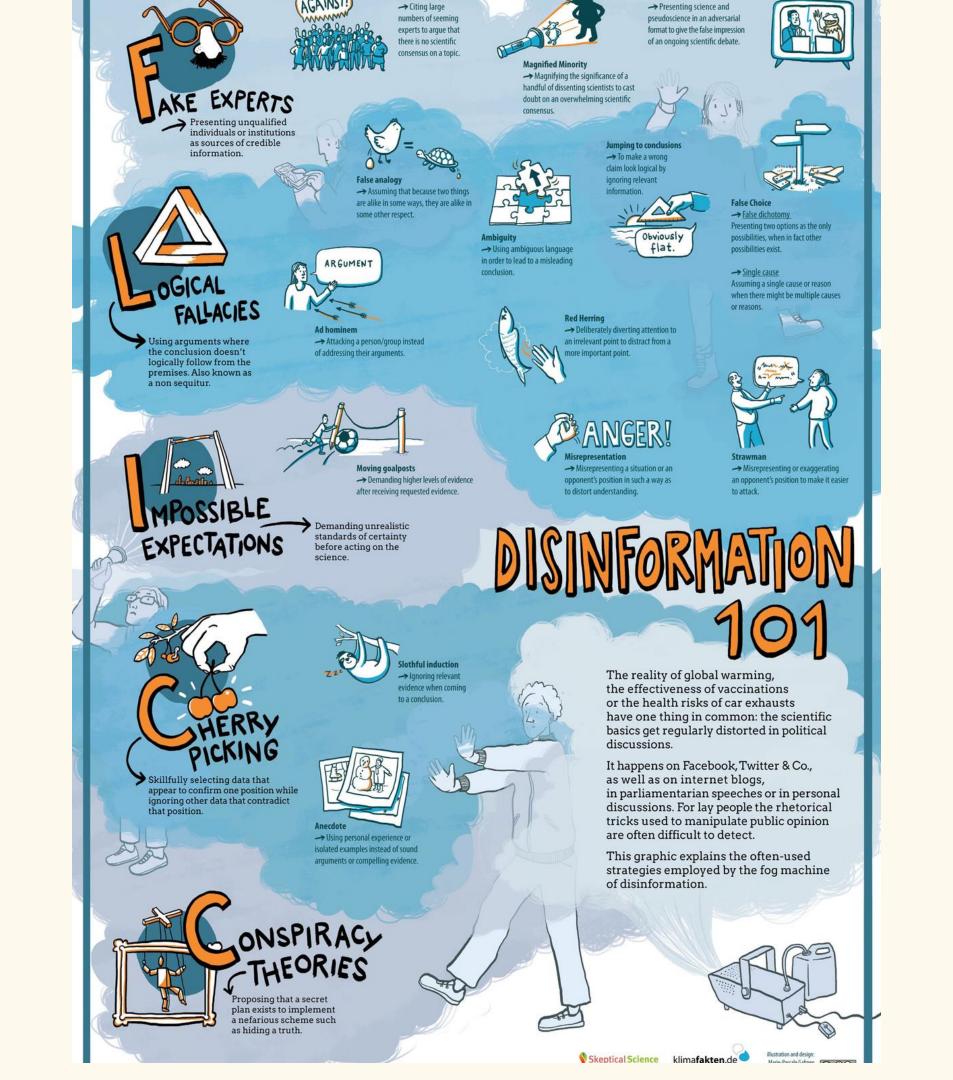
"My cousin in Trinidad won't get the vaccine cuz his friend got it & became impotent. His testicles became swollen. His friend was weeks away from getting married, now the girl called off the wedding. So just pray on it & make sure you're comfortable with ur decision, not bullied."

At the time she had about 22 million followers (she now has over 27 million).

That Tweet has been retweeted 23,600 times, quoted 88,800 times, liked 139,900 times and bookmarked 7,389 times (as of this writing).

As with Trudeau's Tweet, 22 million people aren't likely to have seen the Tweet. That said, without doing a more extensive analysis of the spread of the Tweet, this is powerful. Those who retweeted may have had their retweet retweeted, liked, etc.

The media coverage that this one Tweet generated is also noteworthy. It was covered in numerous media outlets each with its own followers who likely shared, liked and bookmarked it. The Trinidadian Health Minister and others spoke out against the Tweet.

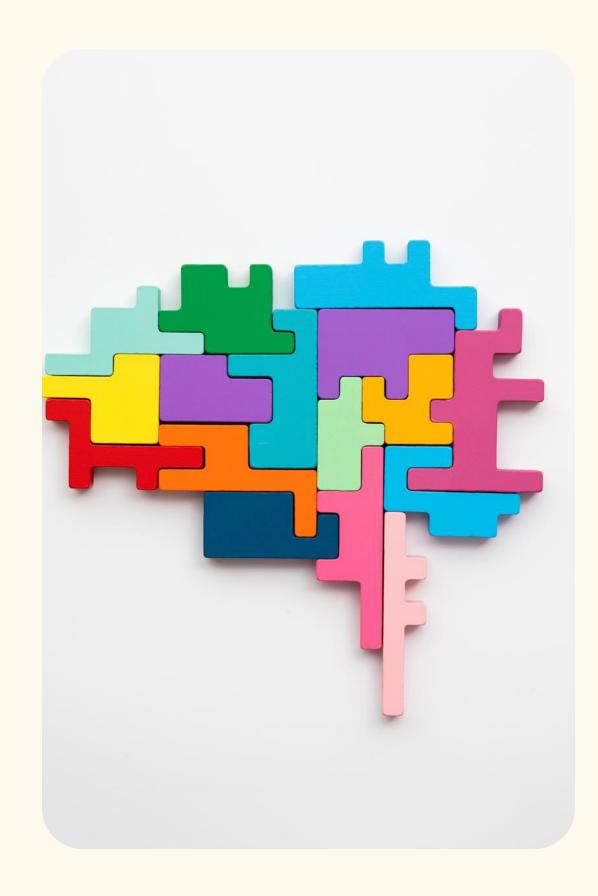


Disinformation 101 Eaks Exports



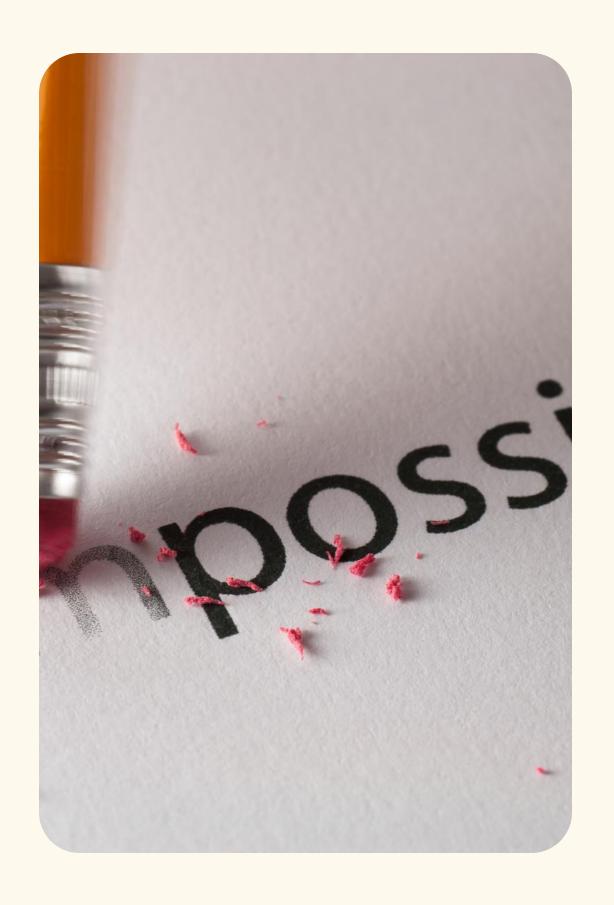
Fake Experts

- Bulk fake experts make it seem as though there is consensus on a topic.
- Magnified minority magnify a handful of scientists to support your argument.
- Fake debate presenting science as if there is some debate.



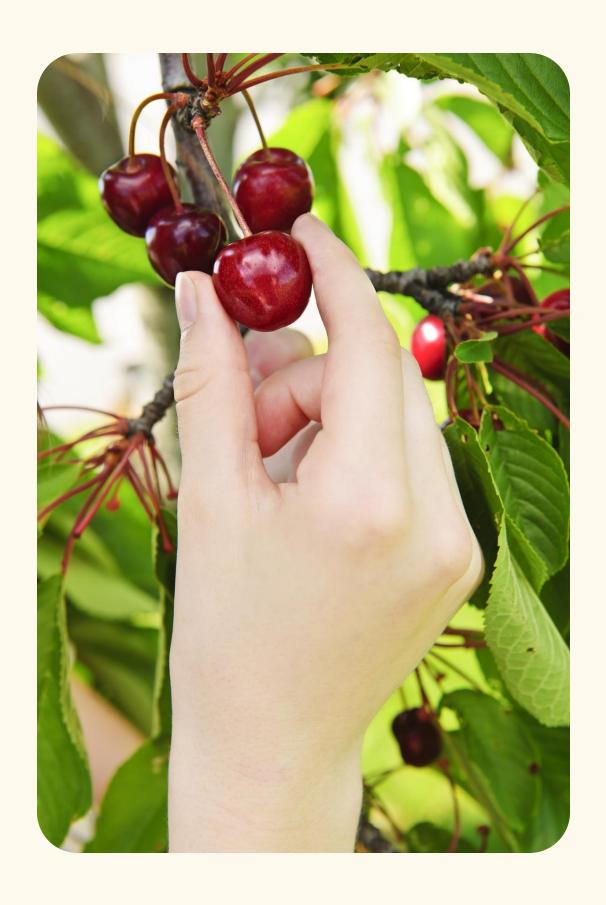
Logical

- Ad hominenfat acties person instead of the argument. (Pauline can't be trusted to tell us about disinformation because she is an hysterical woman.)
- **False analogy** comparing things that can't really be compared. (If we can get a vaccine to market that fast, we can solve the problem of world hunger.)
- **Ambiguity** using ambiguous language to confuse. (Waste no time in hiring him.)
- **Jumping to conclusions** making a wrong claim seem logical by ignoring important info. (Some people left because they hate me.)
- **False choice** *Dichotomy* presenting just two options when there are others. (Which is best to drink in the morning, coffee or tea?) or *Single Cause* assuming there is just one reason (Overweight? Menopause is the reason.)
- **Red herring** changing the subject to avoid the subject (Me: Did you like this presentation? You: How about them Bills?)



Impossible

- Moving goalposts demanding higher level of evidence after meeting initial level (Me: You said you wanted me to show that the vaccine is 95% effective. You: right, but now I want you to show it is 100%.)
- **Misrepresentation** misrepresenting so as to distort (Buzz Aldrin said the moon landing never happened. What else have we been told that isn't true?!)
- **Strawman** misrepresenting to make it easier to attack (Dog: Mom said she is taking me to the kennel. Mom: I said you can't have two meals.)



Cherry Picking

- Slothful induction ignoring relevant information (You've been involved in six accidents in six months. Perhaps you shouldn't drive. Nah, just a coincidence.)
- Anecdote personal experience (I won't get lung cancer. My dad smoked two packs a day and lived to 150.)

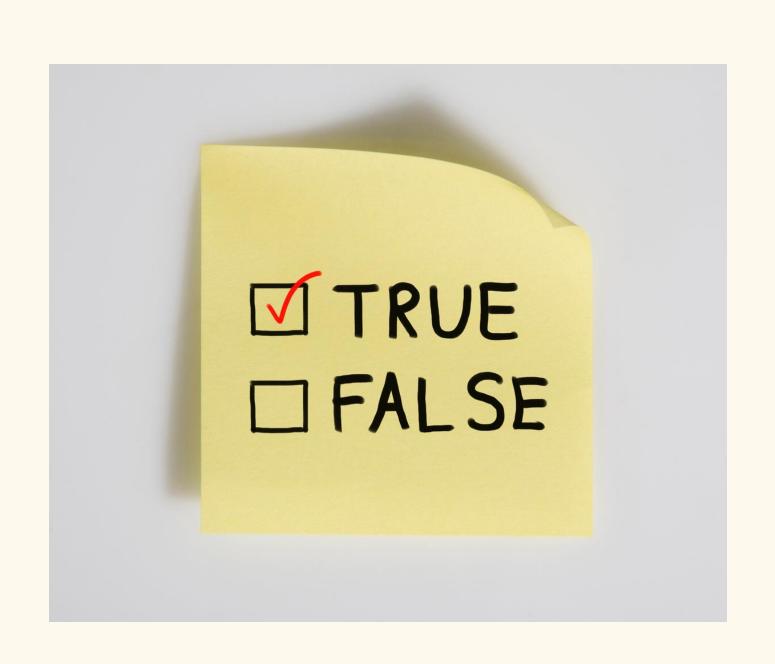


Conspiracy
Theories
Secret, nefarious plans.....

More to come.....

Steps to determine is it legit?

- Search
- Look for Standards
 - Multiple credible sources (supporting evidence)
 - Avoidance of bias (check your own)
 - Documentation
 - Fairness
 - Verification
 - Balance
 - Context
- Check the Author
- Check the Date
- Check for Transparency
- Examine how Errors are Handled
- Assess News Coverage
 - Do you see original reporting?
 - Do they provide straight news reports or just commentary and opinion?



Standards



ties with China: GT ...

With the world paying close attention to China-Arab relations as the two sides further promote their friendship this week, a ...

NO PICTURE

China further focuses on severe COVID cases treatment with tiered medical services ...

China on Friday issued a working plan on health services for COVID-19 key groups to optimize tiered medical services for ...



Historic summits chart course for China-Arab ties at strategic level

Chinese President Xi Jinping and leaders from Arab states on Friday gathered in Riyadh, capital of Saudi Arabia, to continue ...

Domestically developed first C919 jet delivered to China Eastern, 'marking a start ...

The world's first Cg19 aircraft, and also China's first domestically-developed passenger jet, was delivered to China Eastern Airlines in Shanghai ...





OP-ED

Alarm is sounded after TSMC becomes 'USSMC': Global Times editorial



Washington is using tricky ways to force the enterprise of our Taiwan region that occupies an important position in the world's core high-tech industry to move to the US.

West is losing the ability to lead as it breaks climate commitments

Global Times

GT Voice: Hyping China's 'impact' on prices exposes West's anxiety

Global Times

Standards

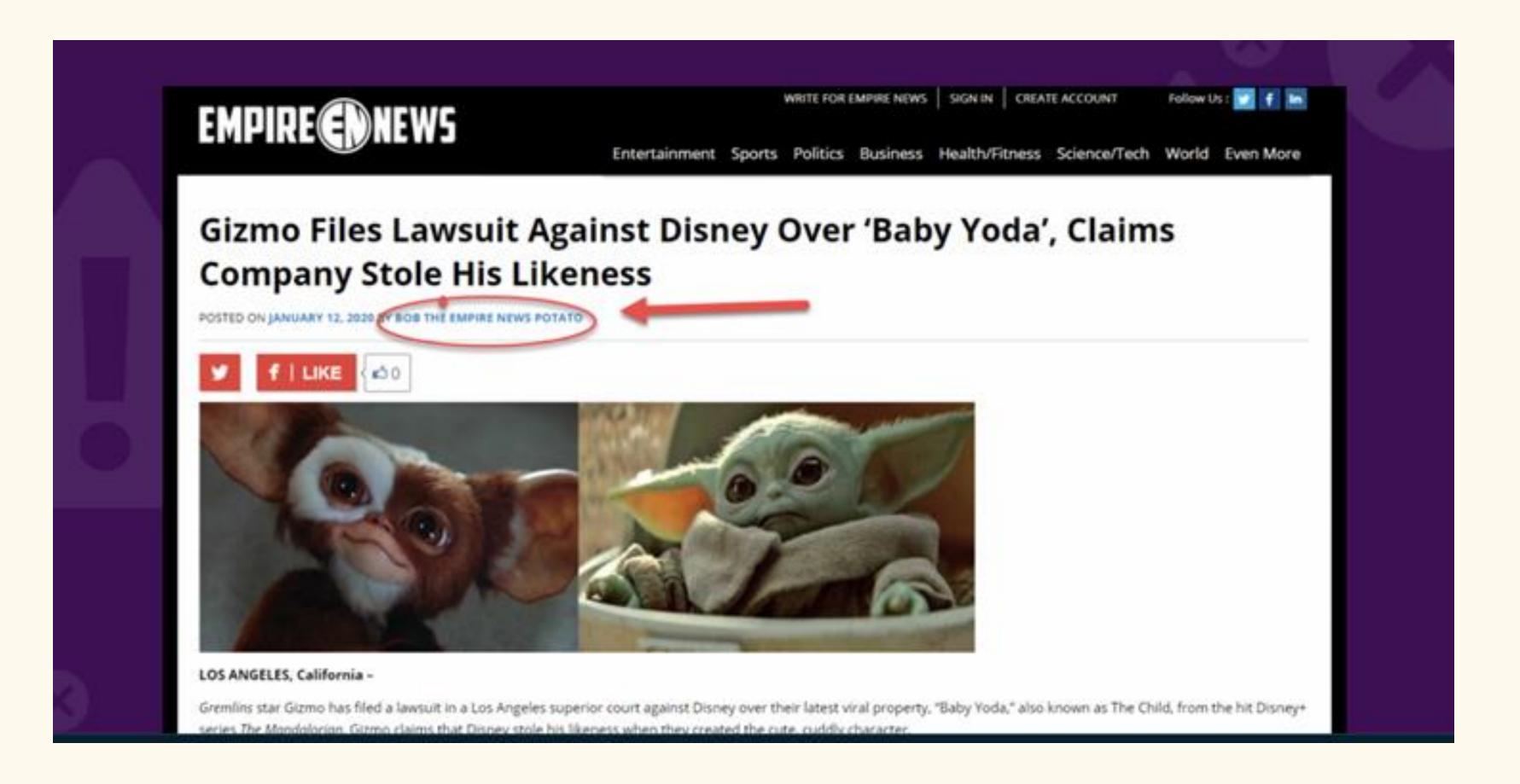


We tried emailing the people who approached Mirko and Léo. The emails bounced back, not from Fazze, but from the domain of a company called AdNow.

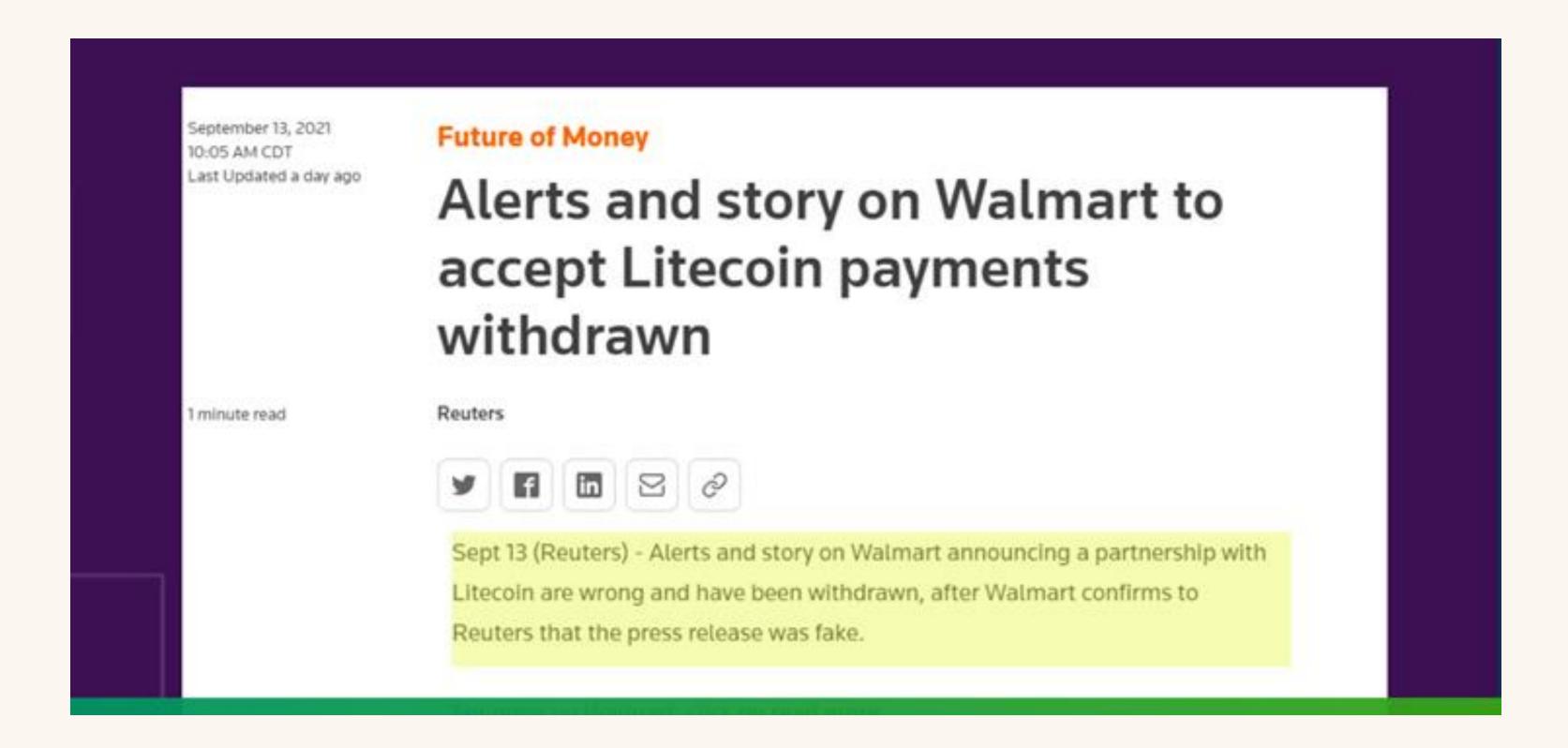
Fazze is a part of AdNow, which is a digital marketing company, registered in both Russia and the UK.

The BBC has made multiple attempts to contact AdNow by phone, email and even a letter couriered to their Moscow headquarters, but they have not responded.

Author



How Errors are Handled



Errors

The NCBI study begins with the following abstract:

Many countries across the globe utilized medical and non-medical facemasks as non-pharmaceutical intervention for reducing the transmission and infectivity of coronavirus disease-2019 (COVID-19).

Although, scientific evidence supporting facemasks' efficacy is lacking, adverse physiological, psychological and health effects are established. Is has been hypothesized that facemasks have compromised safety and efficacy profile and should be avoided from use. The current article comprehensively summarizes scientific evidences with respect to wearing facemasks in the COVID-19 era, providing prosper information for public health and decisions making.

What an absolute joke. American has been led down an insane path of wearing masks that don't prevent the transmission of COVID-19 and cause more health risk than ever imagined.

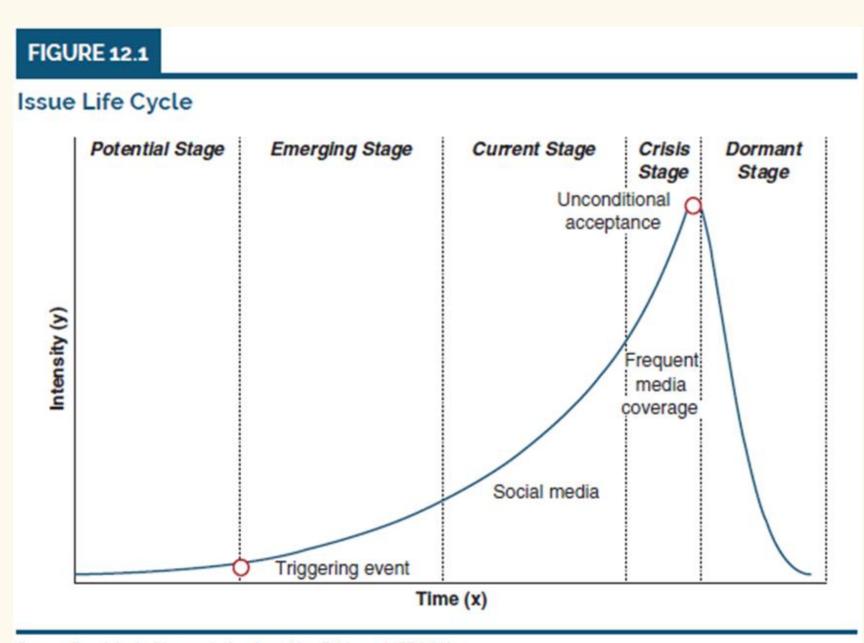
Submit a Correction



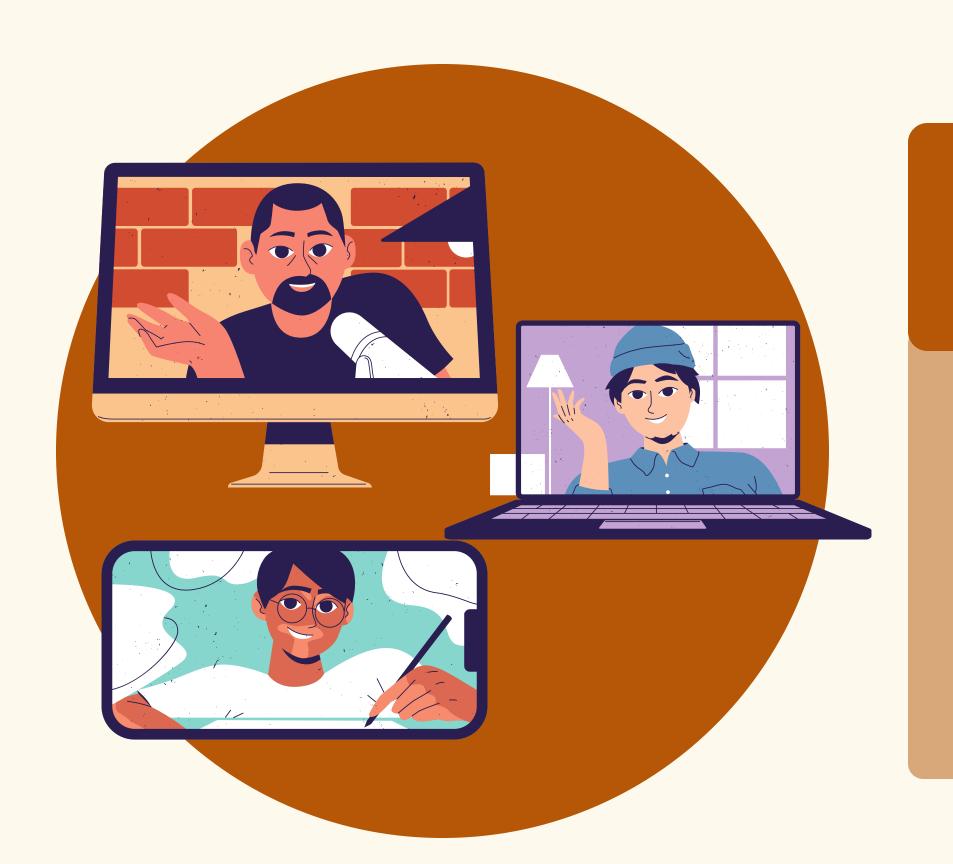
- Reread
- Research
- Care before you share
- Have a response plan
- Monitor what's said
- Build trust through authentic messaging
- Be transparent
- Be data-driven but empathetic
- Control the narrative
- Find the mis/disinformation
- Respond or don't
- No one is stupid

Who do you worry about?

- 1% immediately favorable
- 45% leaning favorable
- 8% opinion leaders
- 45% leaning unfavorable
- 1% immediately unfavorable



Source: Reprinted with permission from Max B. Meng, MSEd, MA.



Become an engaged listener

Listening well means not just understanding the words or the information being communicated, but also understanding the emotions the speaker is trying to communicate.



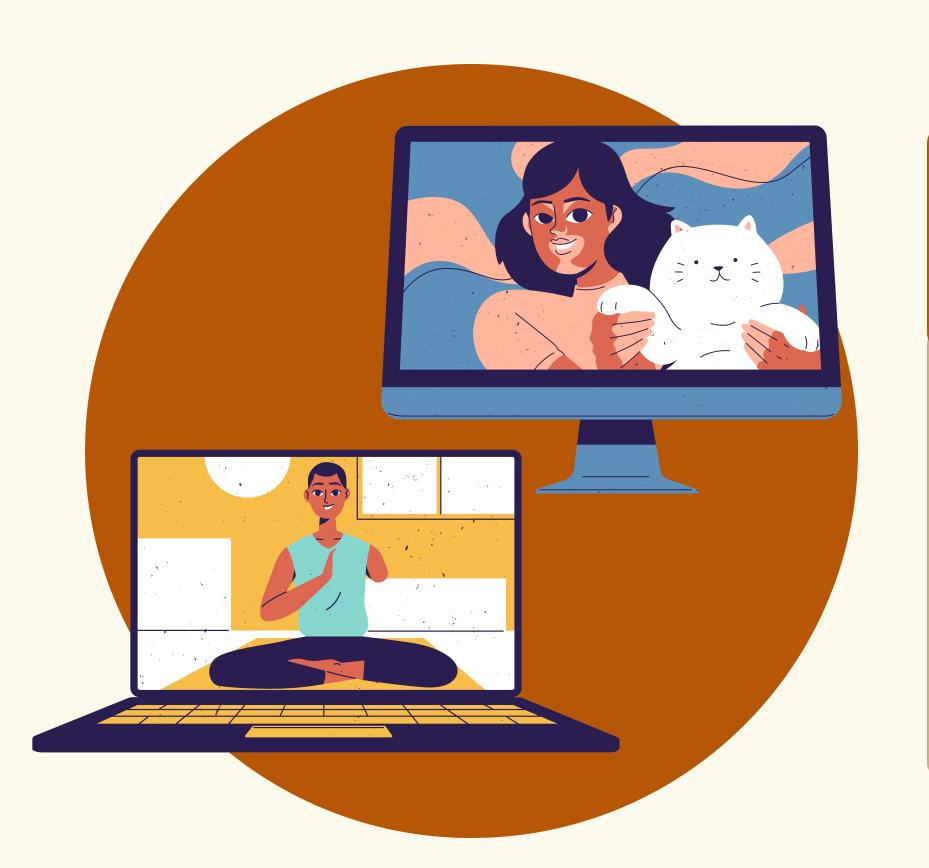
Apply positive self-talk and perception

Positivity is the best encouragement. It welcomes good vibes and pleasant outlook in all communication.



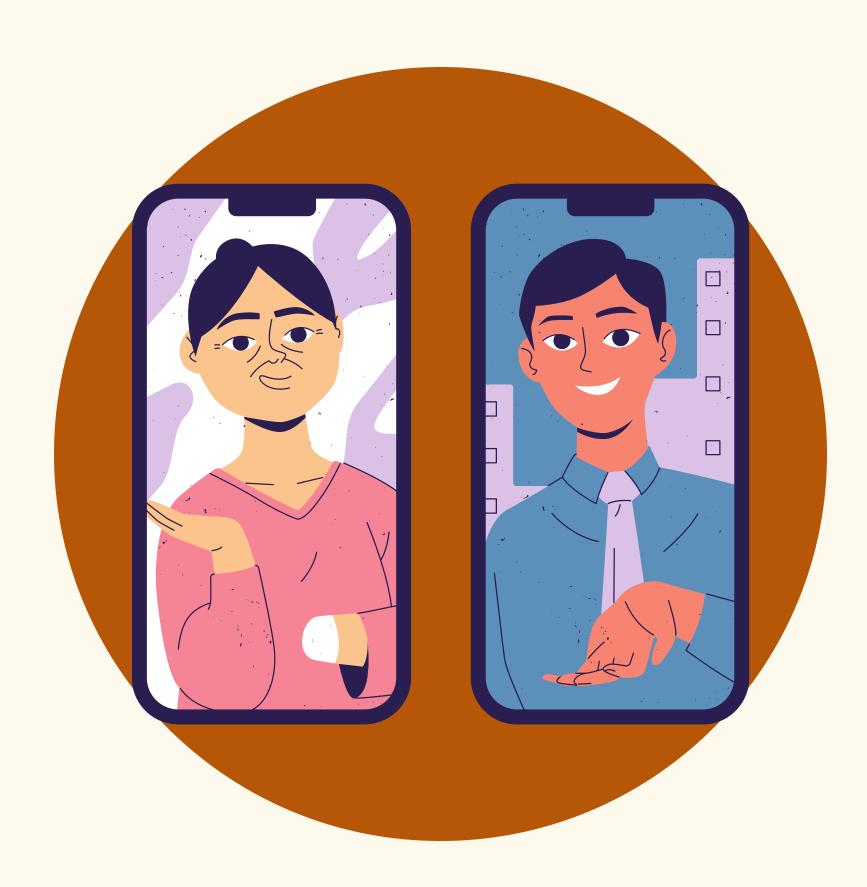
Use appropriate language

Tailor the words you will use based on your audience or listener. Keep it simple or understandable.



Be Open

Suspend your own judgment, ideas, and beliefs. Give the speaker time to develop and express his/her ideas or point before you conclude if the message has any value, little value, or none at all.



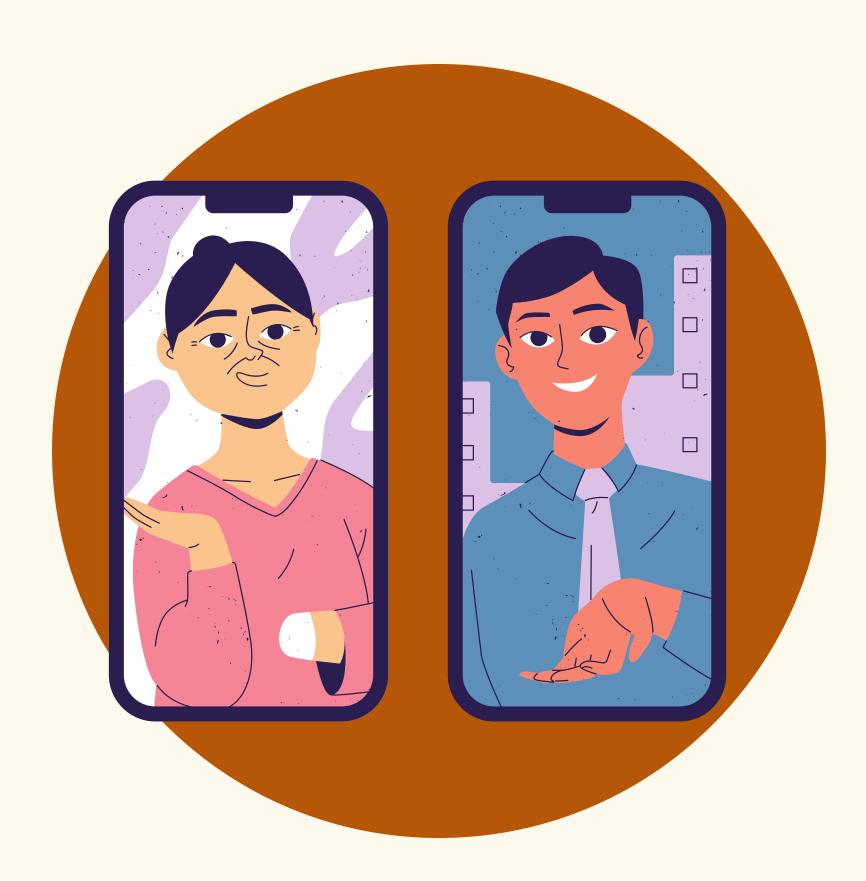
Give and accept feedback

Feedback keeps the communication going. Respond to what has been heard. Keep an open mind and avoid overreacting emotionally to a message or feedback.



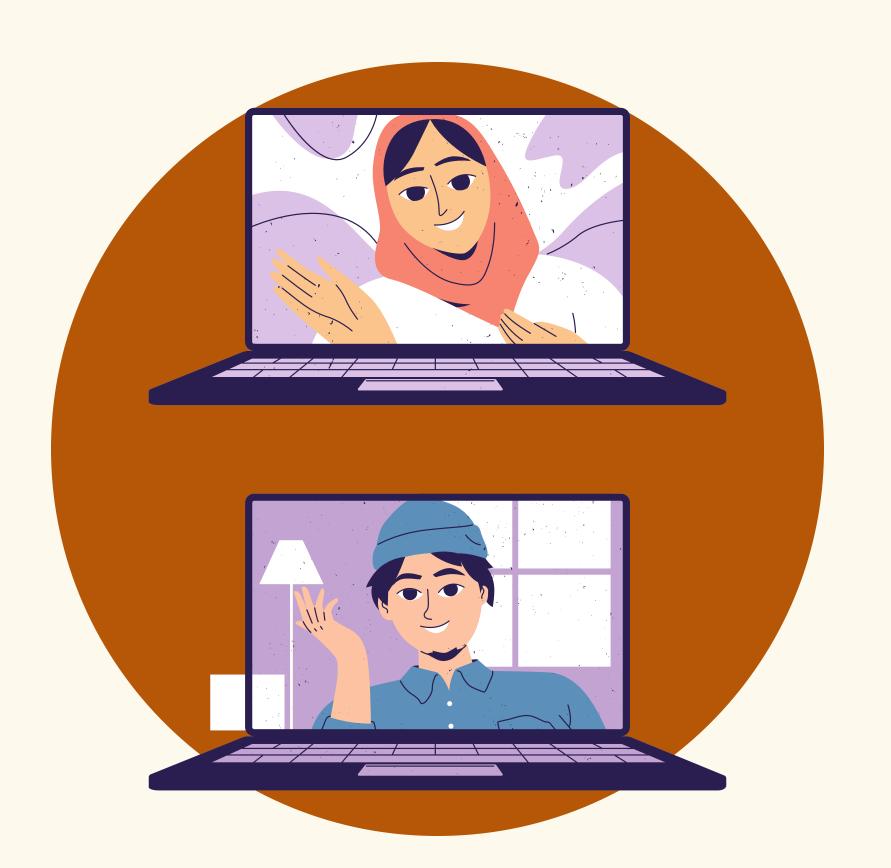
Find Common Ground

Often we don't take the time to get to the root of the problem. We also don't think we have anything in common when in fact we do.



Present Information

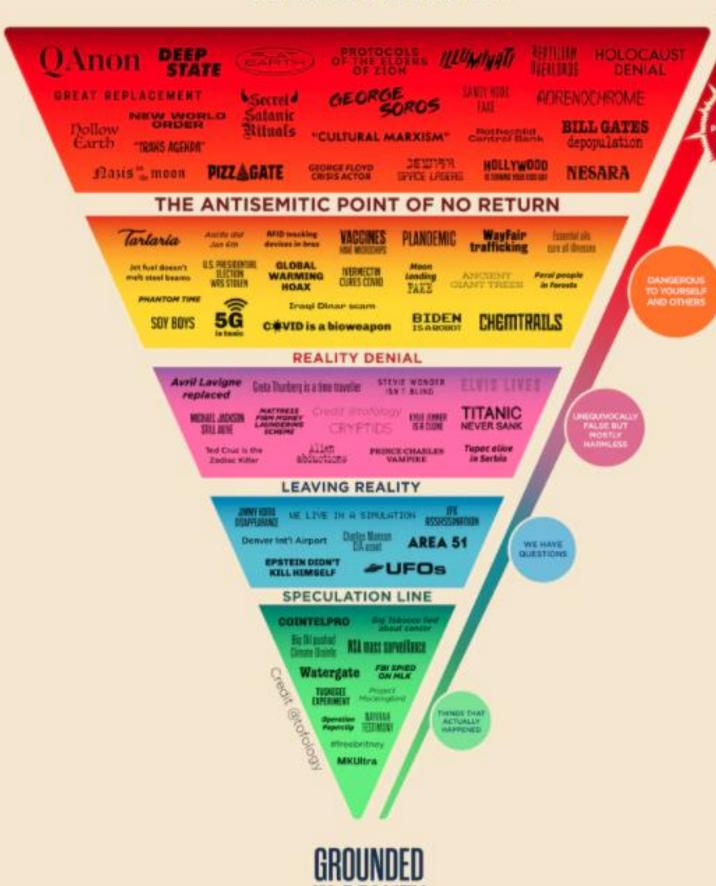
It's important to know your audience. Will they be moved by facts and figures? Do they need stories and anecdotes? Other?



Pay attention to nonverbal signals

Feedback keeps the communication going. Respond to what has been heard. Keep an open mind and avoid overreacting emotionally to a message or feedback.

DETACHED FROM REALITY



Do you like to play games? How evil are you?

Go Viral!

Cranky Uncle

<u>Bad News</u>

Fake It to Make It

Can you protect yourself against Covid-19 mis and disinformation?

Can you build resilience to mis and disinformation?

How good are you at creating disinformation campaigns? Let your evil side shine!

Up your evil street cred by creating a site designed to disinform.



- WHO Mythbusters
- News Literacy Project
- Misinfo Rx
- American Association for the Advancement of Science
- The Media Manipulation Casebook
- AFP-Fact Check (Agence France-Presse)
- PolitiFact
- UC Berkeley Info





www.datadoyenne.com

www.pwhoffmann.com