

### LET'S START OFF WITH WHAT WE KNOW AS TRUTH



The Earth revolves around the Sun



A wet phone should be put in rice



Mount Everest is the world's highest mountain



There is zero gravity in space



Water conducts electricity



Bagpipes are Scottish

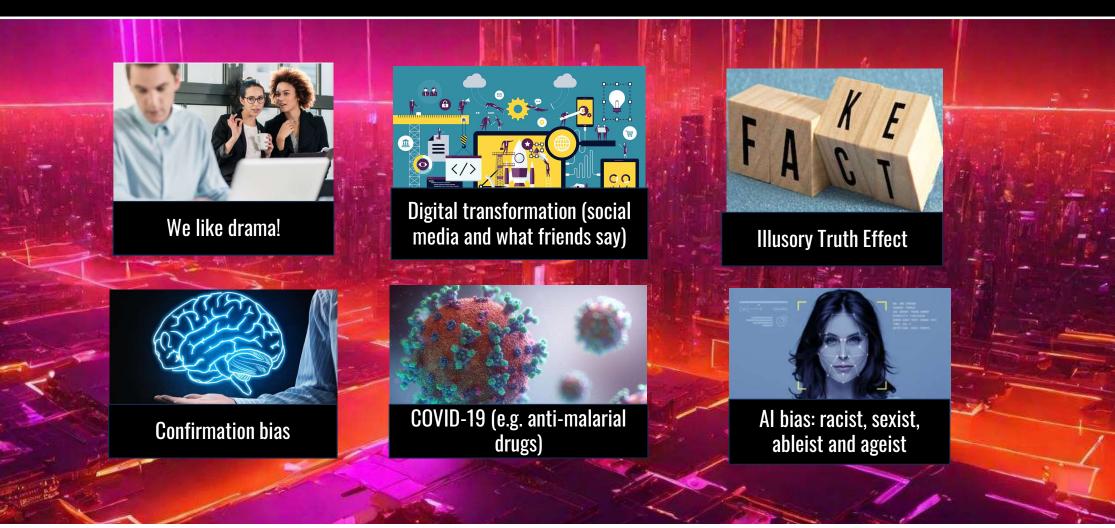
# But... none of those are true.



### WHAT MAKES US THINK THINGS ARE TRUE?



# WHY DO WE BELIEVE IT?



### DISINFORMATION FOR SOCIAL ENGINEERING PURPOSES



#### MISSING CONTEXT

- Intentionally deceptive or lacking crucial details
- Threat actors share images alongside a caption irrelevant to its content details

#### **DECEPTIVE EDITING**

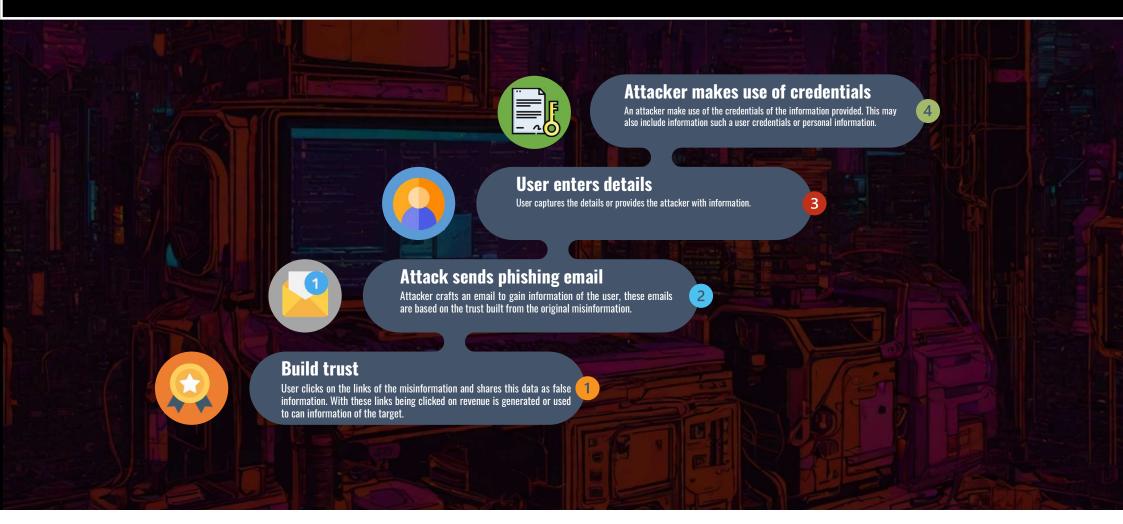
- Manipulates visual media, such as photos, videos, or illustrations depicting real news stories or events
- Distort reality by selectively altering essential components



#### **MALICIOUS TRANSFORMATION**

- Using AI, cybercriminals can manipulate videos to fabricate realistic yet counterfeit content ("deepfakes")
- Ransomware campaigns to amass financial profits or manipulating social consequences, e.g. election outcomes.

# HOW IS THIS EXPLOITED?



### WHAT CAN WE DO?

- Notifying people who shared false information
- Cybersecurity controls restricting information (and promoting cybersecurity
- Regulation of publishing information
- Determining the workings of fact checking
- Providing more context on false information (e.g. Facebook)
- Rating options for fact-checkers
- Using technology to find copies of false information
- Educate yourself and your users





# Q&A

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