INST408C\_week14 Disinformation response lumascape

(Thinking about this as a map of who’s where in this space, and who could be partnered with on what. )

Risk Management

Advanced Threat Protection

Botnet detection and removal

Disinformation research

Fact checking

Training (inc exercises)

Information monitoring

Data providers

Fake news site tracking

* Global disinformation index
* Media Bias Fact Check

Tools

* Crowdtangle
* newswhip

Unsorted

* Social Media Platform Conglomerates Misinformation Detection Initiatives.
* Axon
* Cheq
* Cyabra
* Datalytics24
* Digital Fingerprints
* Fabula AI (a Twitter company)
* Factmata
* Falso Tech
* Fastly
* Imperva
* Logically
* Microsoft
* Right of Reply
* Sensity
* Shieldsquare
* Trueinchain
* Truepic
* Wordproof

Research and Markets report

**The Counter Deepfake and Counter Fake News Software Solutions Market report is the first report to cover this up and coming market, focused on detection and mitigation solutions for Fake News and DeepFakes:**

* **Fake News** - the deliberate creation of false reality to influence public perception.
* **DeepFake** - manipulated videos or audio produced by AI, that yield fabricated images and sounds that appear to be real.

**There are two major categories of DeepFake detection tools:**

* Pattern Analysis - looking and analyzing the behavior of people in the videos, learning the patterns, from hand gestures to pauses in speech, and comparing it to real life patterns. This approach has the advantage of possibly working even if the video quality itself is essentially perfect.
* Quality of Video Analysis - analyzing the differences between deepfakes and real videos. Most deepfake videos are created by merging individually generated frames into videos. By analyzing the essential data from the faces in individual frames of a video and then tracking them through sets of concurrent frames one is able to detect inconsistencies in the flow of the information from one frame to another. This can also be used for face audio detection.

**The counter DeepFake and counter Fake News software market forecast report presents for each submarket 2019 data and projects the 2020-2026 market. We address the “money trail” - each dollar spent - via the following 3 orthogonal market segments:**

**By Type of misinformation:**

* Fake News
* DeepFake

**By End User:**

* Police & Law Enforcement
* Intelligence Organizations
* Military
* Other Government Organizations
* Commercial Businesses
* Consumers

**By Regional Markets:**

* North America
* Europe, Middle East & Africa (EMEA)
* Asia Pacific

**These companies are leveraging several high-end technologies and methods to tackle this threat, such as:**

* AI analytics that can identify synthetic media
* Digital authentication solutions
* Content and social media monitoring tools (OSINT)
* Fake profiles detectors
* Fact checking tools
* Related cybercrime activity

**11 Technology.**

* 11.1 Consolidated Market 2020-2026.
* 11.2 Market Analysis 2020-2026.
* 11.3 Market Dynamics 2020-2026.
* 11.4 Market Breakdown 2020-2026.
* 11.5 Counter Misinformation Technology Background.
* 11.6 Counter Misinformation Technology Enablers & Applications.
* 11.6.1 AI & Machine Learning.
* 11.6.1.1 Machine Learning Methods.
* 11.6.1.2 Deep Machine Learning.
* 11.6.2 Natural Language Processing (NLP)
* 11.6.2.1 Natural Language Processing Components.
* 11.6.2.2 Natural Language Processing Application Types.
* 11.6.2.3 Speech Recognition & Machine Hearing.
* 11.6.2.4 Machine Vision.
* 11.6.2.5 Applications Types.
* 11.7 Bot Networks.
* 11.7.1 What are Bot Networks.
* 11.7.2 Bot Networks Detection Tools.
* 11.7.2.1 Intent Analysis Tools.
* 11.7.2.2 Device Fingerprinting.
* 11.7.2.3 Human Interaction Challenge.
* 11.7.2.4 Behavioral Analysis.
* 11.8 Counter Misinformation Technology Types and Solutions.
* 11.8.1 Fake News Detection Solutions.
* 11.8.1.1 Classic OSINT Tools for Monitoring Purposes.
* 11.8.1.2 Fake Profiles Detectors.
* 11.8.1.3 Non Tech Solutions.
* 11.8.1.4 Market Size - Assessment and Forecast - 2020-2026.
* 11.8.1.5 Market Dynamics 2020-2026.
* 11.8.1.6 Market Breakdown 2020-2026.
* 11.8.2 DeepFake Detection Solutions.
* 11.8.2.1 Software-based Detection.
* 11.8.3 Market Size - Assessment and Forecast - 2020-2026.
* 11.8.4 Market Dynamics 2020-2026.
* 11.8.5 Market Breakdown 2020-2026.

**12 Vertical Markets.**

* 12.1 Consolidated Market 2020-2026.
* 12.2 Market Analysis 2020-2026.
* 12.3 Market Dynamics 2020-2026.
* 12.4 Market Breakdown 2020-2026.
* 12.5 Government Intelligence Agencies.
* 12.5.1 Use Cases.
* 12.5.2 Market Size - Assessment and Forecast - 2020-2026.
* 12.5.3 Market Dynamics 2020-2026.
* 12.5.4 Market Breakdown 2020-2026.
* 12.6 LEAs & First Responders.
* 12.6.1 Use Cases.
* 12.6.2 Market Size - Assessment and Forecast - 2020-2026.
* 12.6.3 Market Dynamics 2020-2026.
* 12.6.4 Market Breakdown 2020-2026.
* 12.7 Financial Intelligence & Fraud Detection.
* 12.7.1 Use Cases.
* 12.7.2 Market Size - Assessment and Forecast - 2020-2026.
* 12.7.3 Market Dynamics 2020-2026.
* 12.7.4 Market Breakdown 2020-2026.
* 12.8 Cyber Security Agencies.
* 12.8.1 Use Cases.
* 12.8.2 Market Size - Assessment and Forecast - 2020-2026.
* 12.8.3 Market Dynamics 2020-2026.
* 12.8.4 Market Breakdown 2020-2026.
* 12.9 Military & Defense Intelligence.
* 12.9.1 Use Cases.
* 12.9.2 Market Size - Assessment and Forecast - 2020-2026.
* 12.9.3 Market Dynamics 2020-2026.
* 12.9.4 Market Breakdown 2020-2026.
* 12.10 Commercial Copyrights Protection.
* 12.10.1 Use Cases.
* 12.10.2 Market Size - Assessment and Forecast - 2020-2026.
* 12.10.3 Market Dynamics 2020-2026.
* 12.10.4 Market Breakdown 2020-2026.

**13 Regional Markets.**

* 13.1 North America Market Background.
* 13.1.1 Market Size - Assessment and Forecast - 2020-2026.
* 13.1.2 Market Dynamics 2020-2026.
* 13.1.3 Market Breakdown 2020-2026.
* 13.2 Europe, Middle East & Africa (EMEA) Market Background.
* 13.2.1 Europe.
* 13.2.2 Middle East
* 13.2.3 Africa.
* 13.2.4 Market Size - Assessment and Forecast - 2020-2026.
* 13.2.5 Market Dynamics 2020-2026.
* 13.2.6 Market Breakdown 2020-2026.
* 13.3 APAC Market Background.
* 13.3.1 Market Size - Assessment and Forecast - 2020-2026.
* 13.3.2 Market Dynamics 2020-2026.
* 13.3.3 Market Breakdown 2020-2026.

**14 Leading Vendors**

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