

# Fake News Analysis Report

Query ID: 90

## VERDICT: FAKE NEWS

### Query News Sample



"Today on 04/01/2025, the earth burst in Dubai and many people lost their lives, many houses were shattered."

### Top Visual Evidence



"UAE: The weather experiment that really flooded Dubai | PreventionWeb"

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## Final Unified Reasoning

- Detailed Reasoning:

The overwhelming evidence points towards the news post being fake. The strongest indicator is **Evidence 3 (Web Search)**, which assigns a "LIKELY FAKE" classification with a very low support score (0.0). This signifies that no credible news sources corroborate the claim of an "earth burst" in Dubai on 04/01/2025. This is the most critical piece of evidence, as it directly assesses the factual basis of the claim.

- Evidence 2 (Image-Image Consistency) further reinforces this conclusion. The stark contrast between the image depicting a disaster scene and the retrieved image of a typical Dubai cityscape demonstrates a clear inconsistency. The sentiment and event/action mismatches are undeniable, suggesting the disaster image is unrelated to Dubai and likely taken from a different event entirely.
- Evidence 1 (Image-Text Consistency), while showing some alignment in sentiment, entities, and event/action, is ultimately less persuasive. While the text and image both convey a sense of destruction, the extraordinary claim of an "earth burst" is not supported by the image itself, and the image could represent any disaster scenario. The lack of specificity in the image weakens the alignment.
- Arguments FOR the FAKE classification:
  - Lack of corroboration:** The web search provides no evidence to support the claim.
  - Visual inconsistency:** The image does not match the typical appearance of Dubai, and the disaster scene is not linked to the city.
- Implausible event:** The claim of an "earth burst" in Dubai is highly unusual and lacks any historical precedent.

- Arguments AGAINST the FAKE classification:
  - Sentiment and Entity Alignment (Evidence 1):** The text and image share a negative sentiment and both reference Dubai. However, this is superficial and doesn't address the core issue of the implausible event.
  - Confidence Level: High. The combination of a lack of supporting evidence from web searches and the visual inconsistencies between the images leaves little room for doubt regarding the authenticity of this news post.

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## Image vs. Text Analysis (Query)

Okay, let's analyze the provided news sample step-by-step.

### STEP 1: Sentiment Alignment

**1. Text Sentiment:** The text conveys a highly negative sentiment. It describes a catastrophic event ("earth burst"), loss of life, and destruction ("houses shattered"). The overall tone is tragic and alarming.

**2. Image Sentiment:** The image depicts a scene of devastation. There's smoke, rubble, damaged buildings, and what appears to be a landslide or collapse. The visual cues strongly suggest destruction and chaos, creating a negative and somber feeling.

**3. Comparison:**

- Classification: Sentiment Aligned
- Reasoning: Both the text and the image evoke a strong sense of negativity and destruction. The text describes a disaster, and the image visually represents the aftermath of such an event.

### STEP 2: Entity Consistency

**1. Text Entities:** The text mentions "Dubai" as a location.

**2. Image Entities:** The image shows a cityscape with buildings and vehicles. While it's difficult to definitively confirm it's Dubai without further information, the architectural style and general appearance are consistent with images of Dubai.

**3. Comparison:**

- Classification: Entities Aligned
- Reasoning: The text mentions Dubai, and the image depicts a location that visually resembles Dubai. While not a definitive confirmation, there's a reasonable alignment.

### STEP 3: Event/Action Consistency

**1. Text Event/Action:** The text describes an "earth burst" causing widespread destruction and loss of life.

**2. Image Depiction:** The image shows a scene of significant destruction, likely caused by a landslide or collapse. It depicts rubble, damaged buildings, and a chaotic environment. While it doesn't explicitly show an "earth burst," it visually represents the result of a catastrophic event.

**3. Comparison:**

- Classification: Event/Action Aligned
- Reasoning: The text describes a catastrophic event, and the image depicts the aftermath of a similar event. The visual representation aligns with the described consequences.

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## STEP 4: Final Judgment

- Judgment: FAKE
- Brief Reasoning: While the sentiment, entities, and event/action show alignment, the claim of an "earth burst" in Dubai is highly improbable and lacks any known historical basis. The image, while depicting destruction, could be from any disaster event. The combination of an extraordinary claim ("earth burst") with a generic disaster image raises significant concerns about the veracity of the pairing. The Event/Action Alignment is the weakest link, as the image doesn't show the specific event described in the text.

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## Query Image vs. Evidence Image Analysis

Okay, let's analyze the two images step-by-step.

- STEP 1: Sentiment Alignment
- **Image 1 Sentiment:** Negative. The image depicts a scene of destruction, with smoke, rubble, and damaged buildings. The text overlay " " (Dubai earthquake) further reinforces a negative and alarming sentiment.
- **Image 2 Sentiment:** Neutral. The image shows a typical cityscape of Dubai, with the Burj Khalifa prominently featured. It presents a calm and orderly view of the city.
- **Comparison:** Sentiment Mismatch
- **Reasoning:** Image 1 conveys a sense of disaster and destruction, while Image 2 presents a normal, peaceful view of Dubai. The emotional tones are directly contradictory.

- STEP 2: Entity Consistency
- **Entities in Image 1:** Dubai (location), buildings, vehicles, rubble.
- **Entities in Image 2:** Dubai (location), Burj Khalifa, other buildings.
- **Comparison:** Entities Aligned
- **Reasoning:** Both images clearly depict Dubai as the location. While the specific buildings differ, the shared location establishes a connection.

- STEP 3: Event/Action Consistency
- **Event/Action in Image 1:** A catastrophic event, likely an earthquake or similar disaster, causing significant damage to buildings and infrastructure in Dubai.
- **Event/Action in Image 2:** A typical view of Dubai's cityscape, showing the city's architecture and urban environment without any signs of disaster.
- **Comparison:** Event/Action Mismatch
- **Reasoning:** Image 1 shows a destructive event, while Image 2 shows a normal, undisturbed city.

These events are fundamentally different.

- STEP 4: Final Judgment
- **Judgment:** FAKE
- **Brief Reasoning:** The most significant factor in this judgment is the Sentiment Mismatch and Event/Action mismatch. Image 1 depicts a disaster, while Image 2 shows a normal cityscape. The pairing is highly misleading, suggesting a false claim about a catastrophic event in Dubai. The entity alignment (Dubai) doesn't negate the fact that the events depicted are entirely inconsistent.

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## Text vs. Text Factual Consistency Analysis

### Evidence Snippet #1

**Factual Score:** 0

**Rationale:** Sentence A describes an event where the earth 'burst' in Dubai, causing deaths and destruction. Sentence B refers to a weather experiment that caused flooding in Dubai. These are different events; one describes a catastrophic geological event, and the other describes a weather-related incident. Therefore, they do not describe the same real-world situation.

### Evidence Snippet #2

**Factual Score:** 0

**Rationale:** Sentence A describes an event where the earth 'burst' in Dubai, causing loss of life and destruction of houses. Sentence B describes floods in Dubai. These are different events. Floods do not involve the earth bursting.

### Evidence Snippet #3

**Factual Score:** 0

**Rationale:** Sentence A describes an earthquake in Dubai on 04/01/2025 causing casualties and property damage. Sentence B reports on violence in Sambhal, India, and the subsequent restrictions on storage of materials and internet services. These are unrelated events in different locations.

### Evidence Snippet #4

**Factual Score:** 0

**Rationale:** Sentence A describes an event - an earthquake in Dubai resulting in loss of life and property damage. Sentence B discusses a Supreme Court statement about penalizing officials. These are unrelated facts.

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## Text vs. Text Analysis (cont.)

### Evidence Snippet #5

**Factual Score:** 0

**Rationale:** Sentence A describes a catastrophic event ('earth burst') resulting in loss of life and destruction of houses in Dubai on a specific date. Sentence B refers to a report about the reshaping of Dubai's weather and urban landscape following floods a year prior. While both relate to Dubai, they describe entirely different events. Sentence A describes a fictional catastrophic event, while Sentence B describes a real-world consequence of flooding.

### Evidence Snippet #6

**Factual Score:** 0

**Rationale:** Sentence A describes an event of the earth bursting in Dubai, resulting in loss of life and destruction of houses on 04/01/2025. Sentence B describes tension and violence in Sambhal, India, related to a mosque survey. These are completely different events in different locations and timeframes.

### Evidence Snippet #7

**Factual Score:** 0

**Rationale:** Sentence A describes an event where the earth 'burst' in Dubai, causing deaths and destruction. Sentence B discusses the cause of floods in Dubai, attributing them to climate change. These are different events; one is a catastrophic geological event, and the other is a weather-related event. They do not describe the same real-world situation.

### Evidence Snippet #8

**Factual Score:** 0

**Rationale:** Sentence A describes an event in Dubai involving an earthquake and casualties. Sentence B refers to a hurricane in Florida. These are distinct events in different locations, therefore they describe different facts.

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## Text vs. Text Analysis (cont.)

### Evidence Snippet #9

**Factual Score:** 0

**Rationale:** Sentence A describes an earthquake in Dubai on 04/01/2025 resulting in loss of life and property damage. Sentence B discusses rainfall and political disputes in Tamil Nadu. These are unrelated events in different locations.

### Evidence Snippet #10

**Factual Score:** 0

**Rationale:** Sentence A describes an earthquake in Dubai on 04/01/2025 resulting in loss of life and property damage. Sentence B discusses the weather and best time to visit Delhi in 2025. These are entirely different events and locations, referring to different facts.