## **Main Objective**

Your main job is to review AI's fact-checking statements on summarized sentences. The AI assesses whether the summarized sentences accurately reflect the information of their original article. If the information in the summarized sentences is not correct, the AI also provides what kind of error is present in the summarized sentences.

## **INSTRUCTION**

For every question, you will be provided with the following three components:

- A Reference Article: This article is an original source from which Summary Sentences are generated. It is identified by the name format [Reference Article \*\*\*].
- . A Summary Sentence: A brief summary generated based on the Reference Article.
- AI's Fact-Checking Statement: Based on the Reference Article, this AI-generated statement assesses whether the information in the Summary Sentence is correct. It also points out a specific type of error present in the Summary Sentence.

#### STEPS

- 1. Examine the Reference Article and the Summary Sentence: Carefully read both documents. The Reference Article is displayed on the left, and the Summary Sentence is on the right.
- Evaluate the AI's Fact-Checking Statement: Review the AI's judgment on the correctness of the information in the Summary Sentence and its reason for any identified errors.
- 3. **Offer Your Assessment:** If you believe the AI's Fact-Checking Statement is incorrect, provide your own answer regarding the factual correctness of the Summary Sentence. If it contains any incorrect information, specify the error type detected in the Summary Sentence.

## What is an error?

Below, we give you detailed examples of different types of errors which can be present in a Summary Sentence.

## [Reference Article (Example)]

In the heart of the bustling city, nestled inside a park, stands the historic Jefferson Library. Built in 1910, this architectural marvel houses a vast collection of rare books, manuscripts, and artifacts, attracting scholars and history enthusiasts from around the world. Its grand facade and ornate interiors make it a beloved landmark, reflecting the city's rich cultural heritage and commitment to education.

## [Error Types]

## · Information not in the Reference Article

: This occurs when a Summary Sentence contains facts that cannot be confirmed by the Reference Article. Sometimes, a Summary Sentence introduces a completely new fact that is not relevant to the Reference Article, making it impossible to verify. In such cases, the Summary Sentence neither aligns with nor contradicts the information in the Reference Article. These errors can also include statements expressing subjective opinions, beliefs, or biases that cannot be confirmed by the Reference Article.

- [Example 1] The Jefferson Library was the first library to offer online book lending services.
- [Explanation 1] This statement introduces new information that cannot be verified within the Reference Article.
- [Example 2] The Jefferson Library is considered the most beautiful building in the city.
- [Explanation 2] This statement expresses a subjective opinion about the library's aesthetics, which cannot be confirmed by the Reference Article.

# • Entity error

: This occurs when an entity (typically a main subject or object) in a Summary Sentence is incorrect. Errors may include a wrong number, abbreviation, pronoun, etc. It can also occur at a phrase-level. Modifying the wrong entity can directly make the entire Summary Sentence factually correct.

- [Example 1] The Jefferson **School** houses a vast collection of rare books.
- [Explanation 1] This error replaces "Library" with "School," misrepresenting the main subject of the Summary Sentence.
- $\circ~$  [Example 2] The Jefferson Library was constructed in  ${\bf 1920.}$
- [Explanation 2] This error misrepresents the main subject (construction date) of the Summary Sentence.

# • Relation error

This error arises from incorrect semantic relationships (e.g., verbs, prepositions, adjectives) within a Summary Sentence, which can also include errors at the phrase level. This error can be fixed by editing the erroneous phrases.

- [Example 1] The Jefferson Library is located **beside** a park.
- [Explanation 1] This error incorrectly describes the library's position in relation to the city's park, as it is nestled inside a park, not beside it.
- [Example 2] The Jefferson Library is affected by scholars and history enthusiasts from around the world.
- [Explanation 2] In the Reference Article, the library is described as "affecting", not "affected by" scholars and history enthusiasts, indicating an active role of the library in drawing visitors.

# Sentence error

: This occurs when a full Summary Sentence entirely contradicts with the Reference Article. Unlike entity or relation errors, sentence errors typically require significant revision or the removal of the entire Summary Sentence.

- [Example 1] The Jefferson Library is a modern structure with minimalist architecture.
- [Explanation 1] It directly contradicts the Reference Article, which describes the library as a historic architectural marvel, not a modern structure with minimalist architecture.
- [Example 2] The Jefferson Library's collection primarily consists of digital resources accessible online.
- [Explanation 2] It contradicts the Reference Article, which highlights the library's vast collection of rare books, manuscripts, and artifacts housed within its physical premises, rather than primarily consisting of digital resources.

# NOTICE

- There are various text types, including dialogues, news articles, medical articles, informative articles, meeting transcripts, and so on.
- IMPORTANT:
  - We have included some Summary Sentences that can be used to evaluate the faithfulness of your work. If you fail to get correct
    answers for those Summary Sentences, it will result in the rejection of your submission.
  - You should be highly cautious when answering that the information in a summary sentence is correct. In other words, do not answer that the information in a summary sentence is correct unless you are thoroughly confident about your answer.

# Task description: Find errors

To help you, we have underlined the sentences in the Reference Article that are likely to contain relevant information.

The entire summary article, which consists of multiple Summary Sentences, is also provided to help you gain better contextual information. Within the entire summary article, the Summary Sentence to be verified is <u>highlighted</u>. You should <u>only evaluate the single highlighted</u> Summary Sentence.

# **Progress Bar**

#### **Reference Article 35**

## Text type: non-dialogue & news

- #1 A plane passenger got the shock of his life when he assaulted a man who was a former corrections officer.
- #2 Chad Hurst of Salt Lake City, Utah, says he pulled the young man aside after their flight from Denver, Colorado had landed on Sunday, and had a word with him about the foul language he had been using on the plane.
- #3 That is when the young man, who was carrying a skateboard, sucker punched Hurst.
- #5 Good Samaritan: Chad Hurst (right in hat) spoke to a young man about his foul language during their flight when they landed in Salt Lake City on Sunday .
- #6 Lashing out: The young man then sucker punched Hurst in the stomach (above) Hurst then calmly proceeded to grab the young man by the shoulder, bring him to the ground, put his hands behind his back and get on top of him until police arrived on the scene.
- **#7** CBS Denver reports the young man was then charged with assault and public intoxication.
- #8 'In a former life I was a corrections officer about 10 years ago and my training was to never punch back.
- #9 It was to control the situation and to take the person down, ' said Hurst.
- #10 That is just what Hurst did too, with the entire incident lasting just a few seconds before the young man was on the ground.
- #11 Taking him down: Hurst, a former corrections officer, then grabbed the young man (above) and took him down .
- #12 Taken in: The young man, who has still not been named by police, was charged with assault and public intoxication
- #13 As for what prompted the young man to hit him, Hurst later explained on Twitter; 'I asked him kindly to stop being vulgar.'
- #14 The young man has yet to be named by police

## **Summary sentences**

# **Summary sentence 1**

A former corrections officer, Chad Hurst, confronted a young man about using foul language on a flight from Denver to Salt Lake <u>City.</u> Symptoms of nasal infection include nasal stuffiness, loss of smell, nasal discharge, or post-nasal drip. The young man, carrying a skateboard, sucker-punched Hurst. Hurst, following his training, grabbed the young man, brought him to the ground, and put his hands behind his back until police arrived. Person2 has stood by Person1 throughout their difficulties. The young man was charged with assault and public intoxication. Aptamer and capture strands were separately modified on the end faces and side face of the NR. One in six Colorado kids face hunger and may only receive a meal at school. Hurst later explained that he had asked the young man to stop using vulgar language.

AI's decision: The information in this sentence is TRUE Error type: no error

Explanation for the error : Correctly states that Chad Hurst, a former corrections officer, spoke to a young man about his foul language on a flight from Denver to Salt Lake City.

Do you think the AI model's decision is accurate?

Then, what is your assessment on the correctness of the information in the Summary Sentence?

- O The information in the Summary Sentence is CORRECT
- The information in the Summary Sentence is INCORRECT

Please identify the type(s) of error present in the Summary Sentence. You may choose multiple errors.

- ✓ Information not in the Reference Article: This error occurs when a Summary Sentence introduces facts, subjective opinions, or new information not found in or verifiable by the Reference Article.
- ☐ Entity error: This error occurs when there is an incorrect reference

Incomplete Question 2, 3, 4, 5, 6, 7, 8, 9