

EthiFact

Keeping your Opinions Ethical and Credible

Team 7

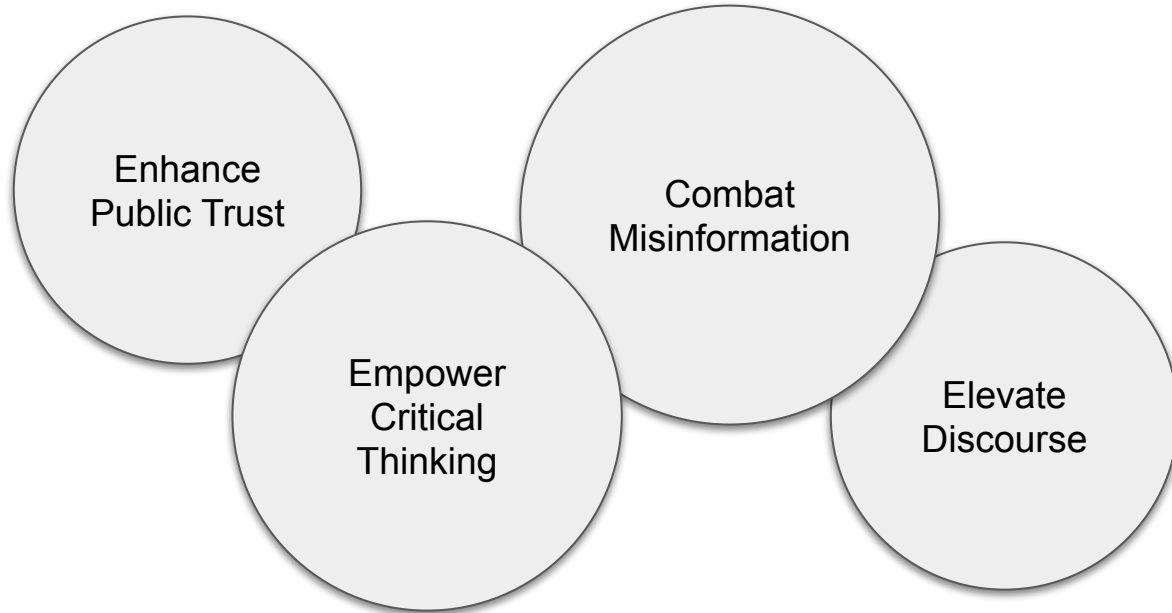
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Introduction

“Keeping your Opinions Ethical and Credible”



Objective

The main objective of **EthiFact** is:

- "Develop an AI-driven fact-checking algorithm to verify the credibility of sources."
- "Create an intuitive user interface for writers to easily validate their sources."
- "Educate users about ethical writing practices and responsible source usage."

Method: Criteria

Reference

How trustworthy is the article's reference?

- **Reliability:** the referenced articles are from reliable sources
- **Timeliness:** the referenced articles are up-to-date

Logicality

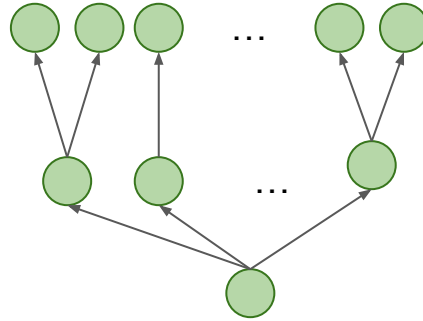
Is the article written in a logically well-structured manner?

- **Causality:** each sentences are causally well-connected
- **Unity:** the paragraphs are logically consistent, i.e. support a unified claim

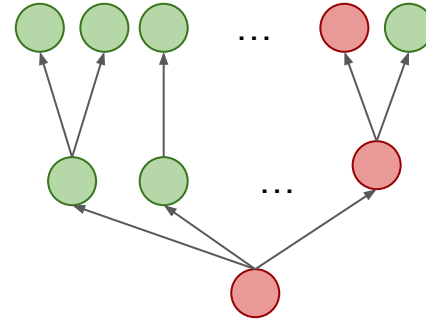
Method: Evaluation

Reference – Reliability & Timeliness

- Creating a reference tree
 - If at least one reference is 'disqualified' (e.g. unknown website, outdated...), then all the articles referencing that text is likely to be disqualified too



Case 1



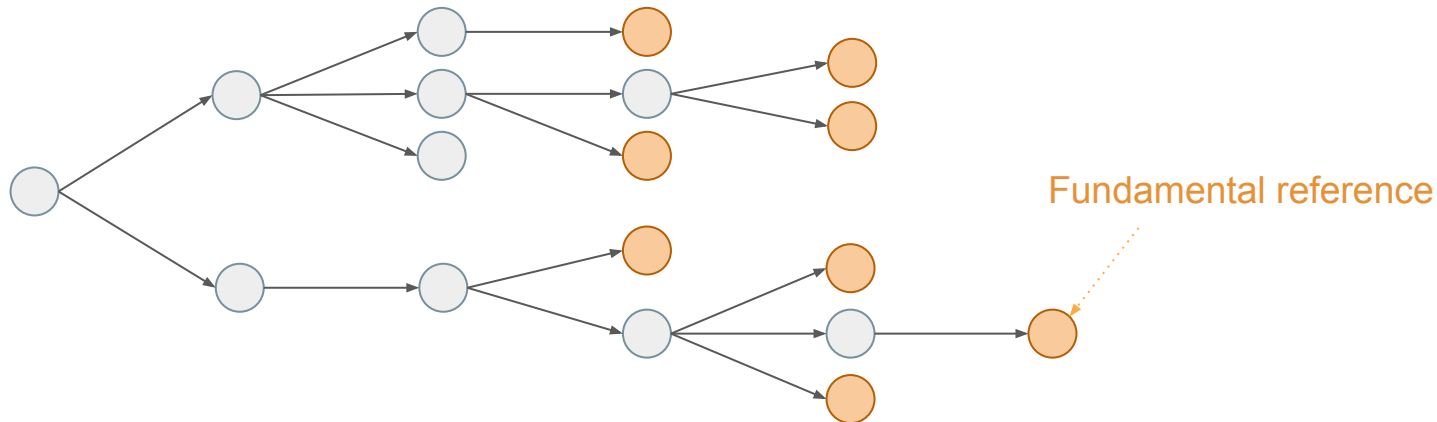
Case 2

Reliable and timely resource
Unreliable or outdated resource

Method: Evaluation

Reference – Reliability & Timeliness

- Finding ‘reliable’ and ‘unreliable’ sources
 - Collect a large number of articles, and follow linked pages until we reach the *fundamental reference* (no more further links) → Manual examination



Method: Evaluation

Logicality

- Logicality in the microscopic scale – **Causality**
 - Relationships between sentences
 - LLM or other methods if needed
- Logicality in the macroscopic scale – **Unity**
 - Relationship between paragraphs
 - Summarization + [FactCC](#)

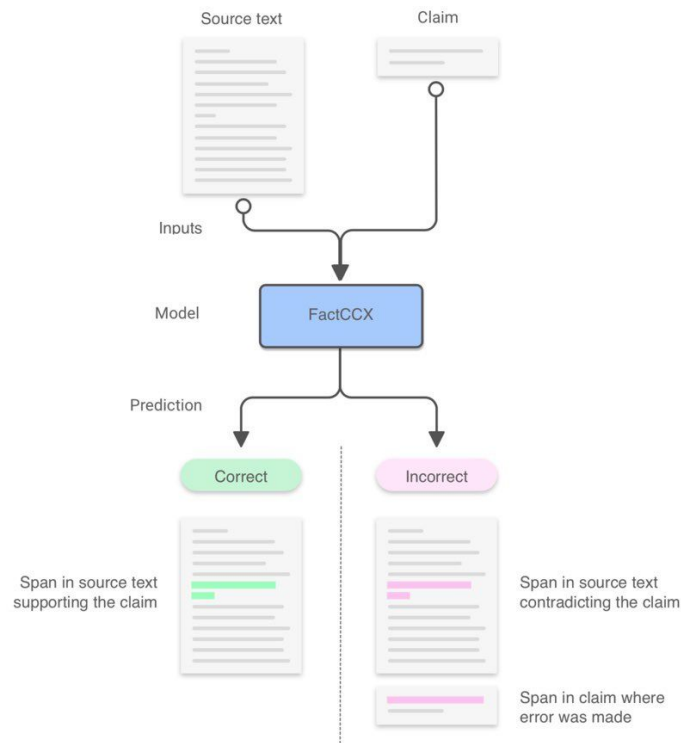


Image is retrieved from FactCC's Github repository

Summary

