# A Source-Grounded Research Reader

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## Abstract

We study a reading workflow that links every summary claim to its source.
The prototype combines page-level evidence, visual crops and editable slides.
This synthetic example demonstrates the interface; it is not a published study.


## 1. Architecture




Figure 1. A three-stage source-grounded reading architecture.

Each evidence block retains a page number and a normalized bounding box.
Users can verify highlights before exporting a presentation.

# Evaluation & Evidence

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## 2. Illustrative comparison

The values below are fabricated for this UI example, not research findings.

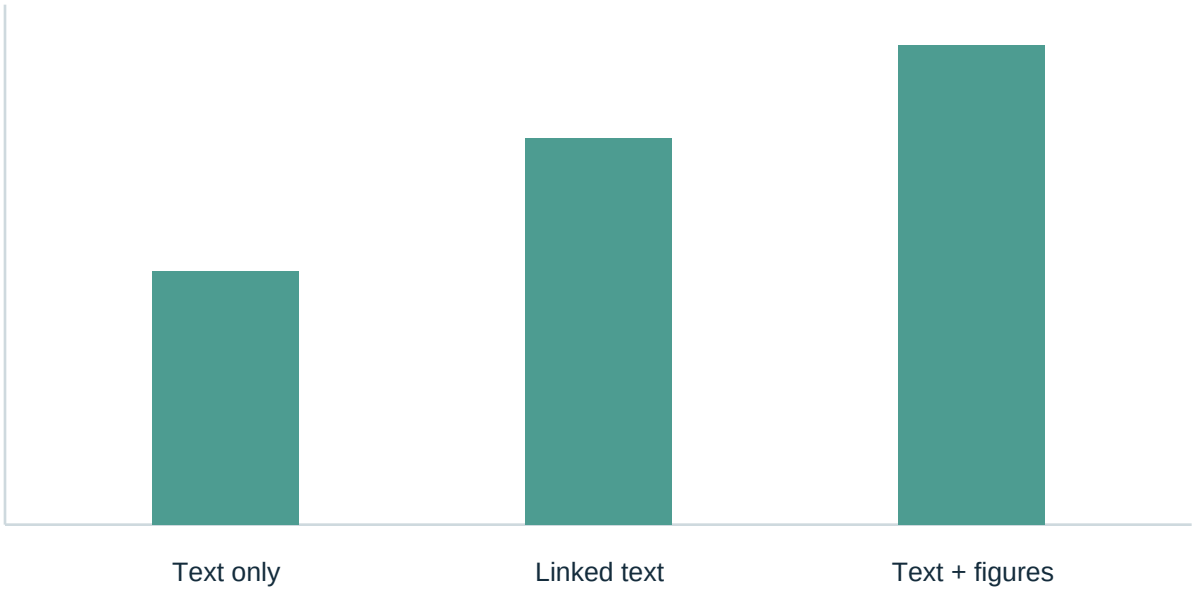


Figure 2. Illustrative UI comparison chart; synthetic values only.

## 3. Scoring rule

$$S = \text{evidence coverage} / \text{total claims} \qquad (1)$$

A useful summary makes its evidence visible rather than hiding omissions.

# Limitations & Next Steps

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## 4. Limitations

Image-only text requires a separate OCR capability.

Automatic crop boundaries are candidates and must be checked.

Extractive highlights retain source wording; no translation is performed.

Presentation drafts need human review before public use.