

Summary Explorer: Visualizing the State of the Art in Text Summarization

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Summary Explorer is an online interactive visualization tool to assist humans to inspect summary quality in a guided fashion.

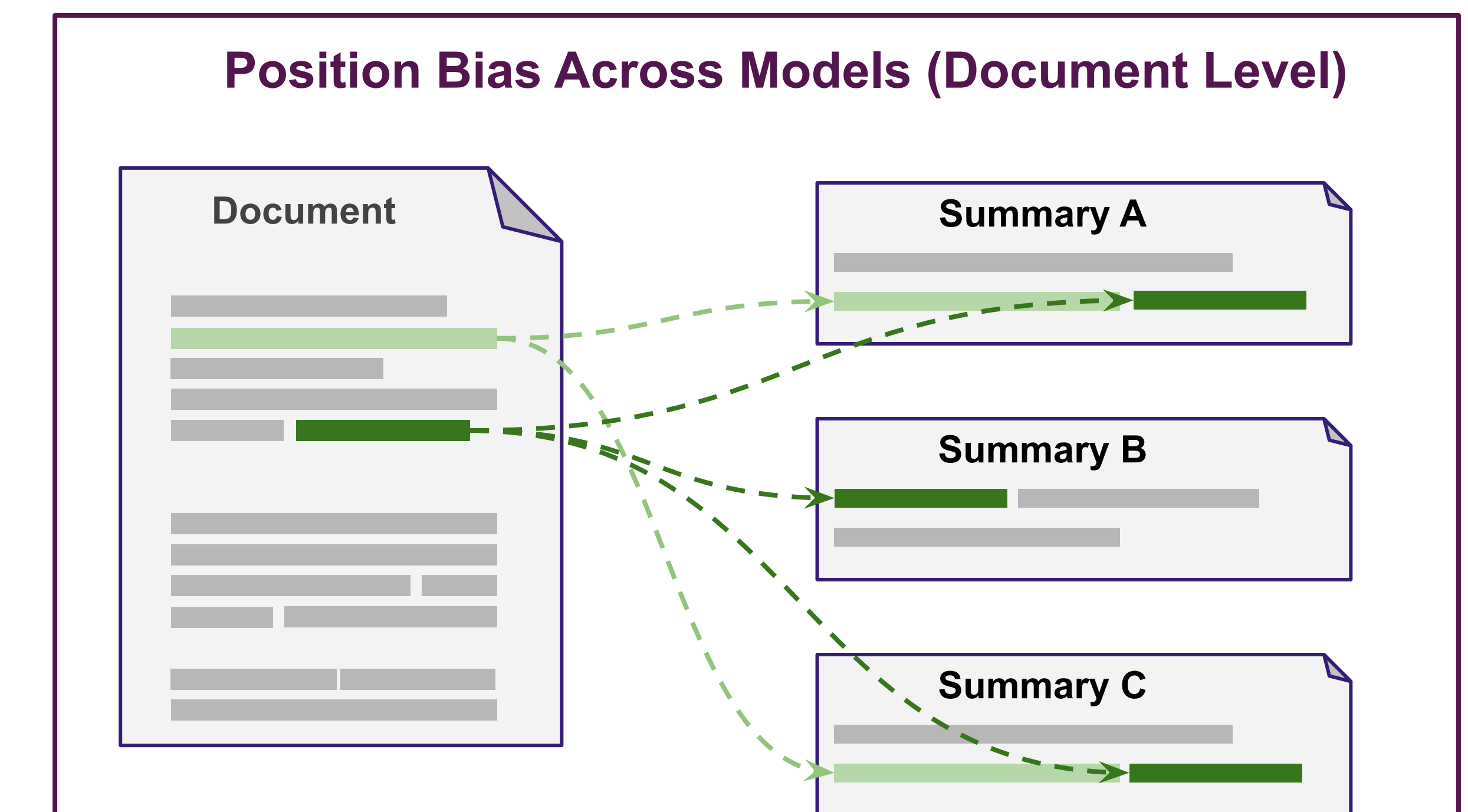
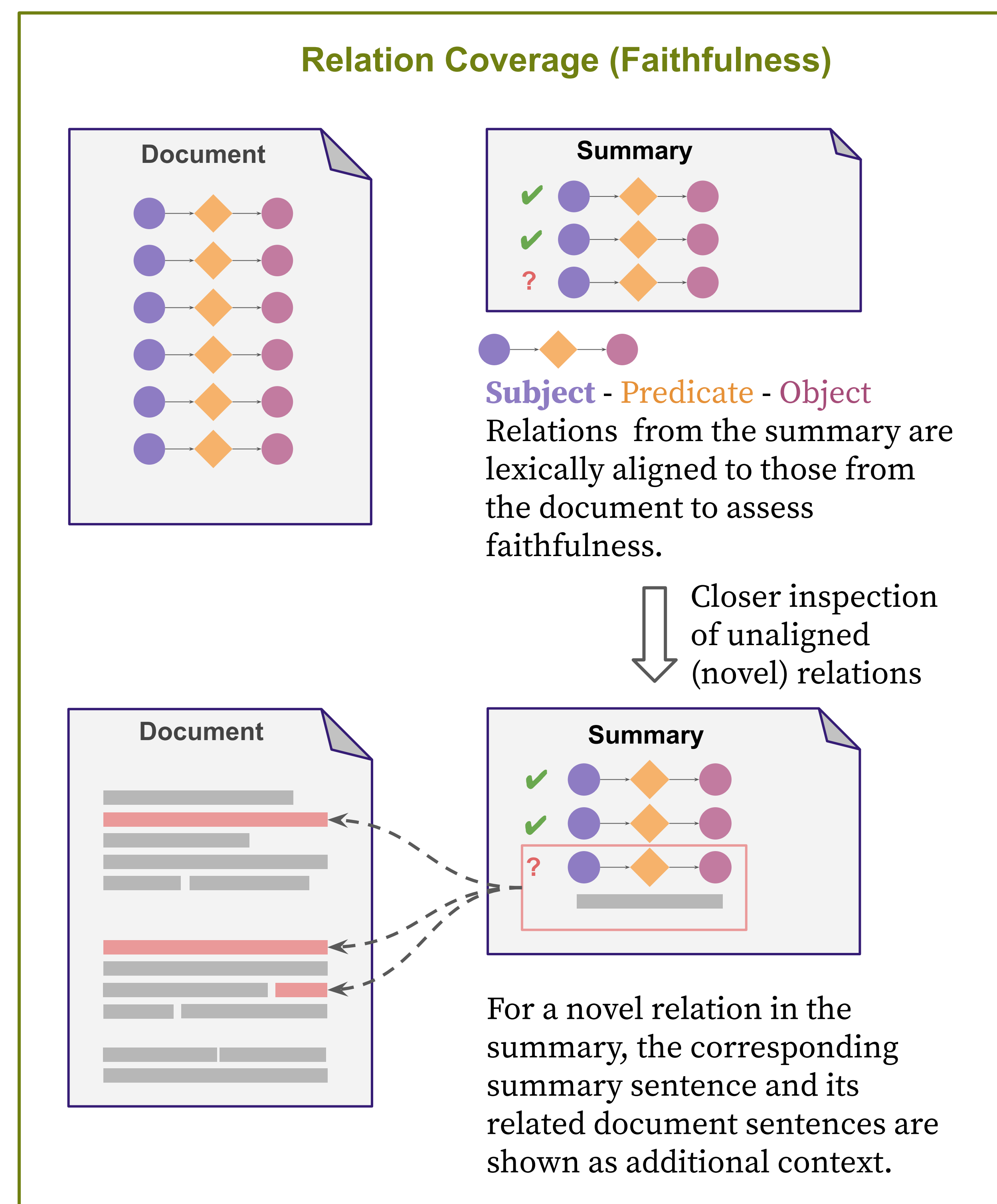
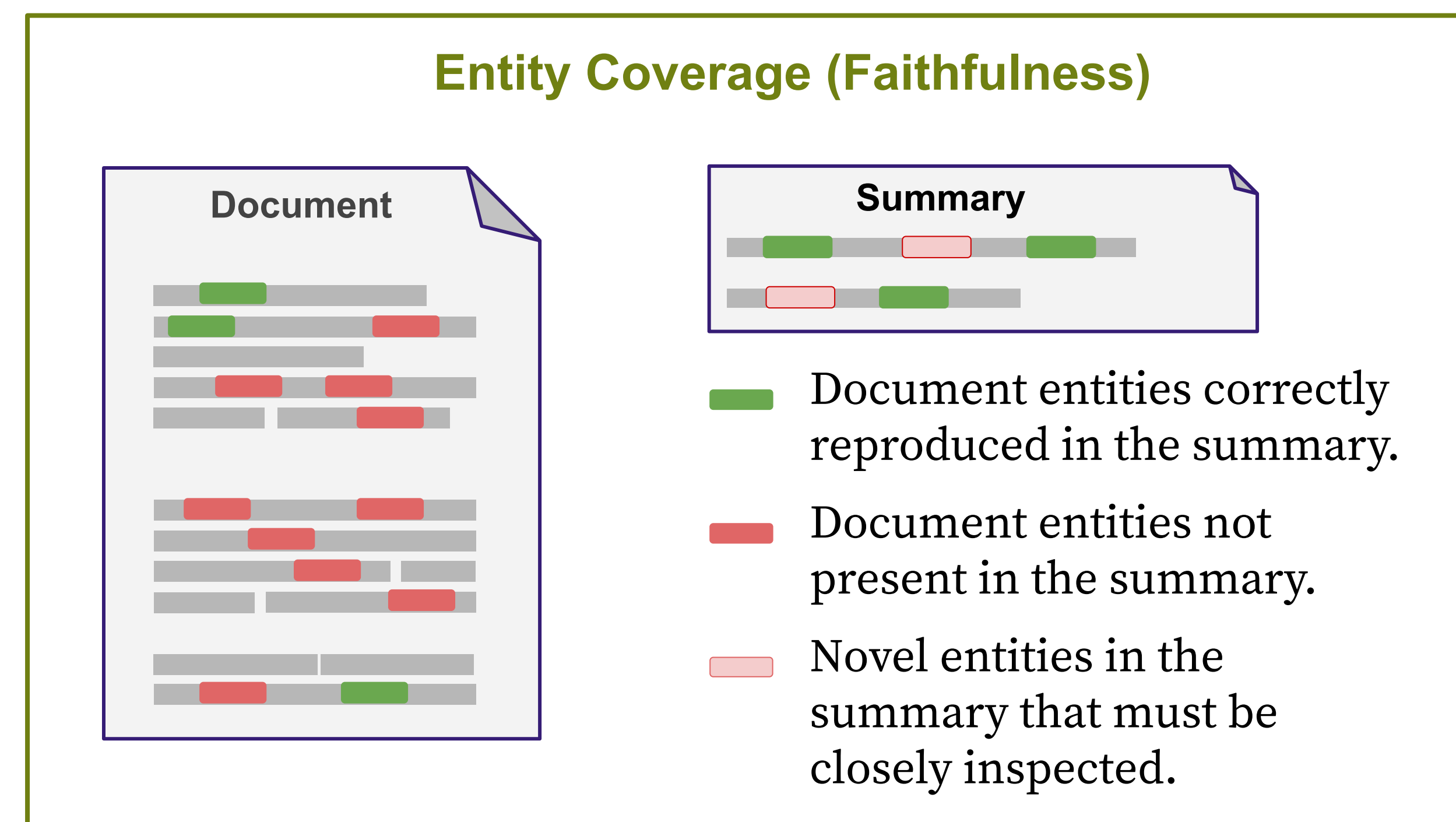
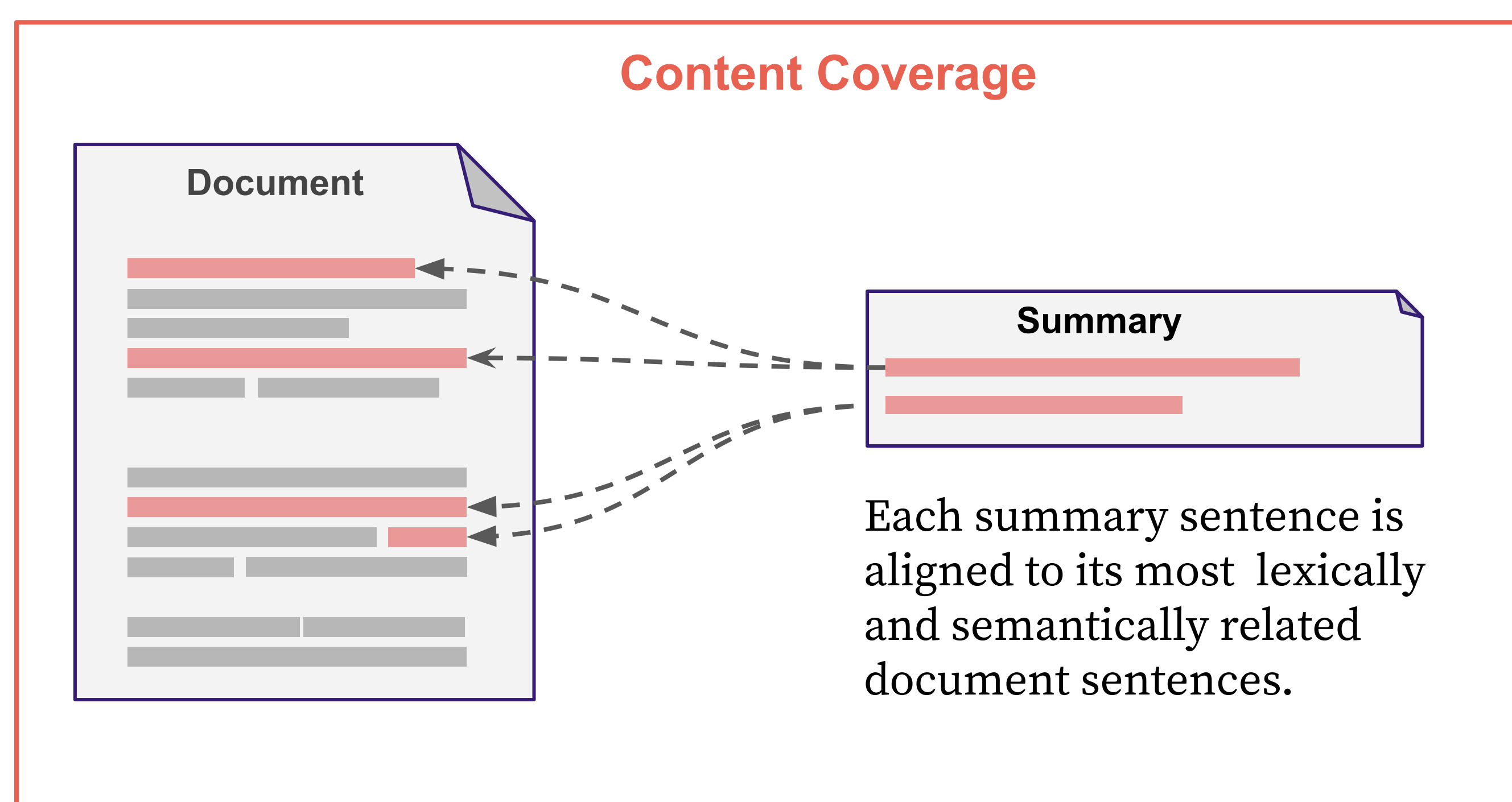
Use Cases

- Manual inspection of summaries to reliably evaluate abstractive summarization models.
- Visualizing the relation between the summary and its source document.
- A unified and guided evaluation of summary quality.

Tool Features

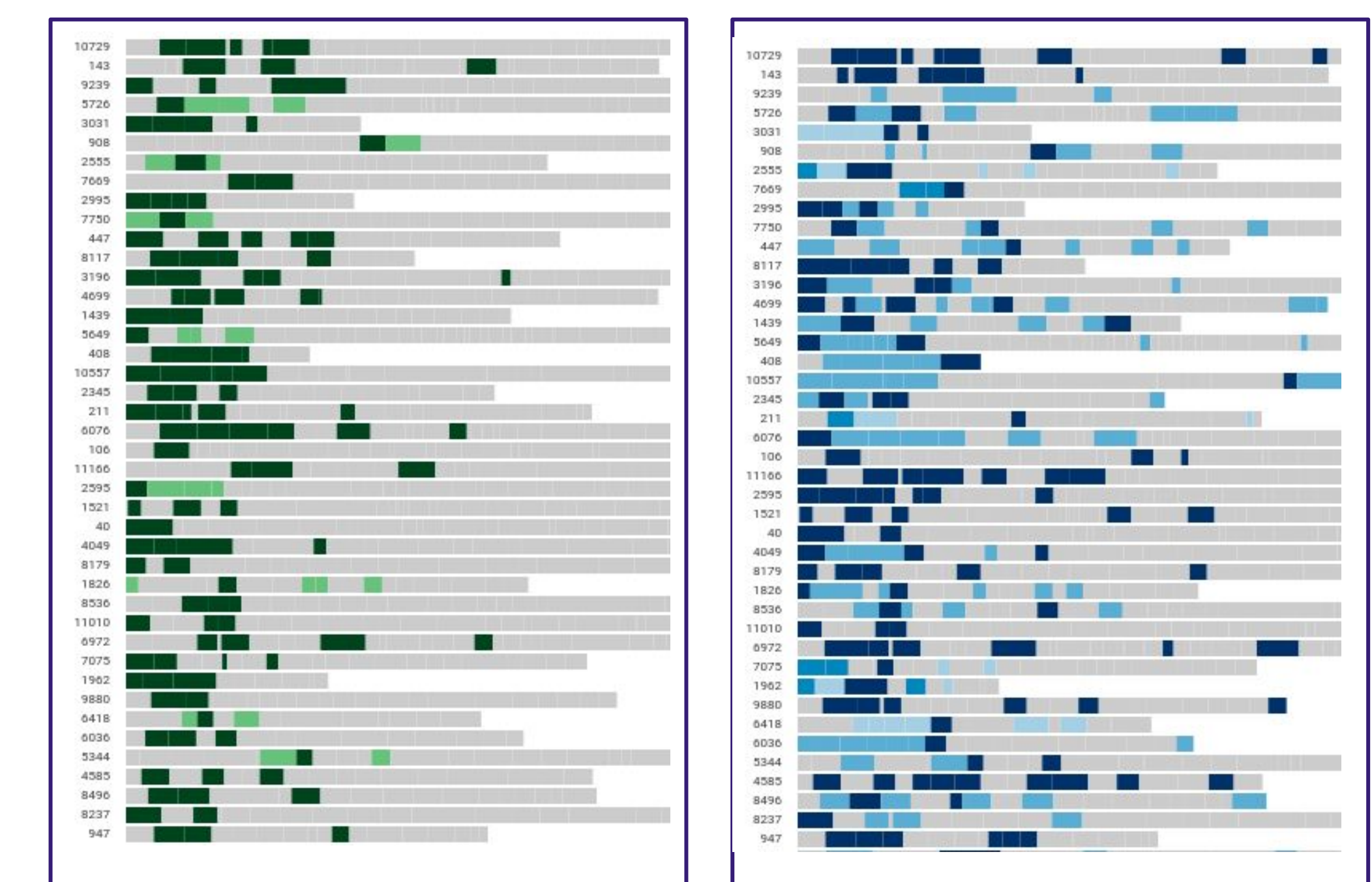
1. Guided evaluation of **coverage**, **faithfulness**, and **position bias**.
2. Access to summaries from **more than 50 summarization models** across **3 datasets**.
3. **Visual mapping** between the summary and its source document.
4. **Interactive model selection** based on multiple quantitative metrics.
5. **Open source** to enable easy integration of new models and datasets.

Concept Visualizations



Each summary sentence is aligned to its most lexically and semantically related document sentences.

Position Bias of a Single Model (Corpus Level)



Summaries from a single model are projected on to the article via **lexical** or **semantic** alignments to demonstrate the position bias.

