



Don't forget
to look up the
paper & code!

frahman/ReBART

Is Everything in Order? A Simple Way to Order Sentences

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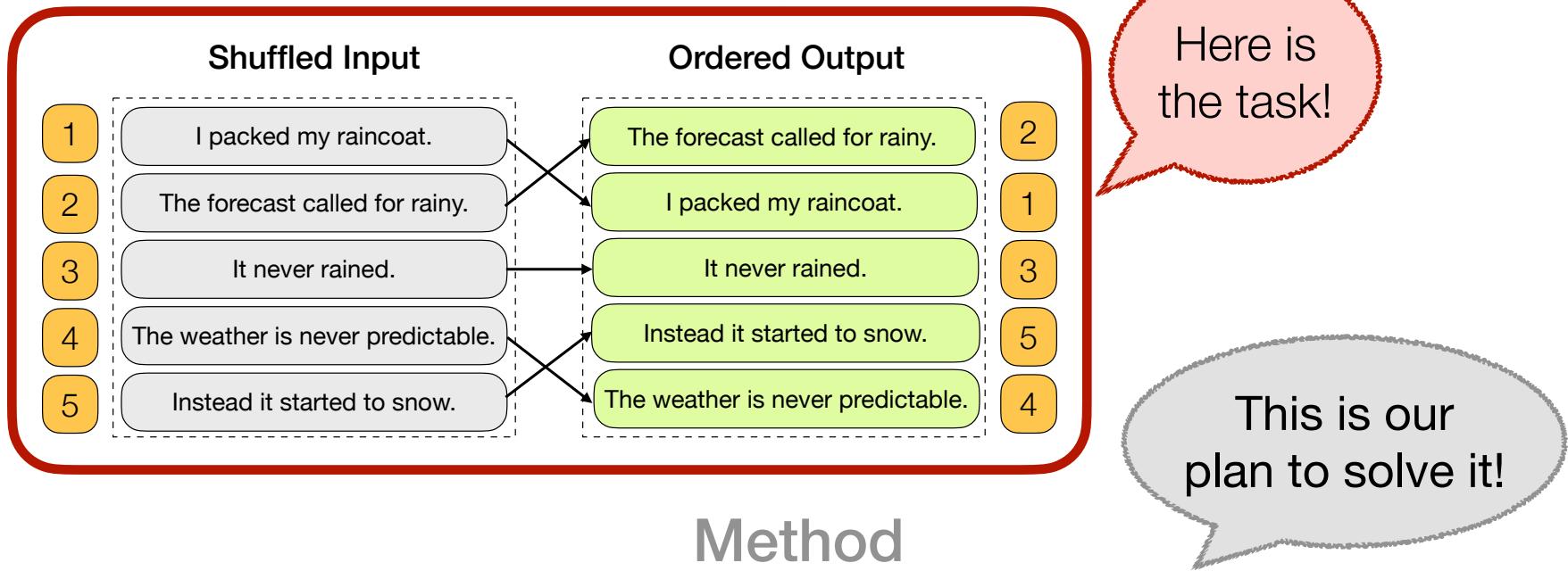


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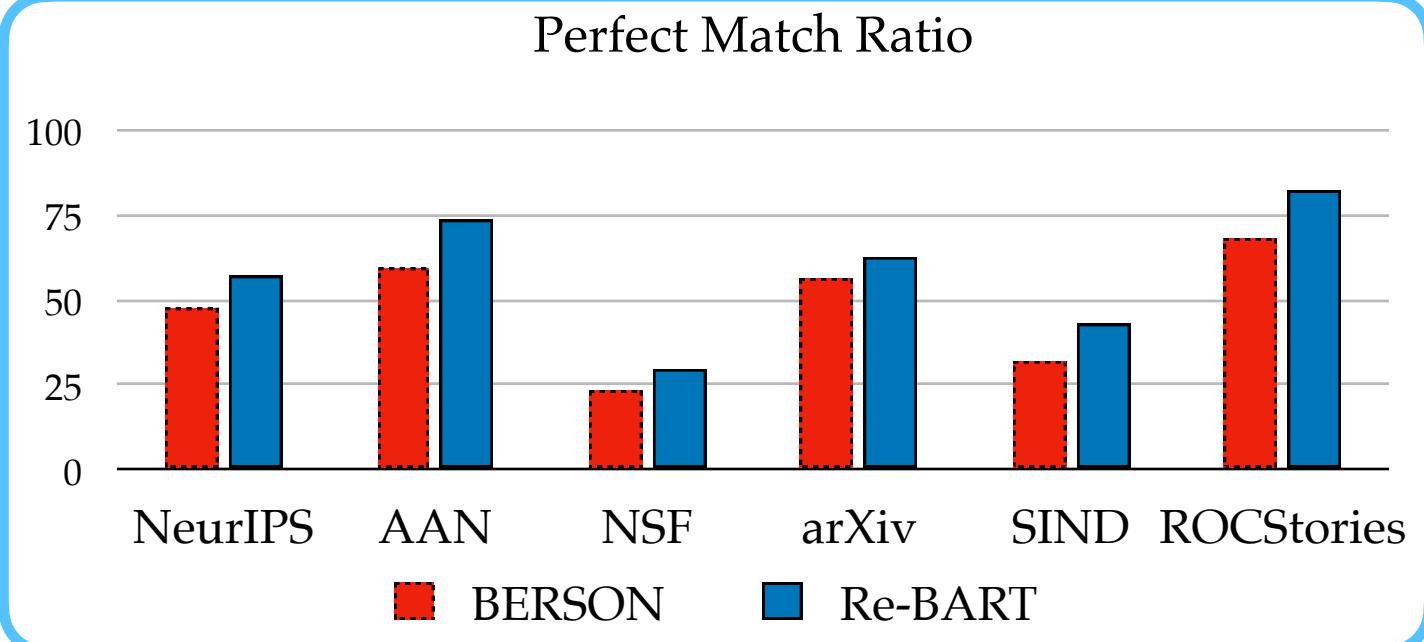


Sentence Ordering

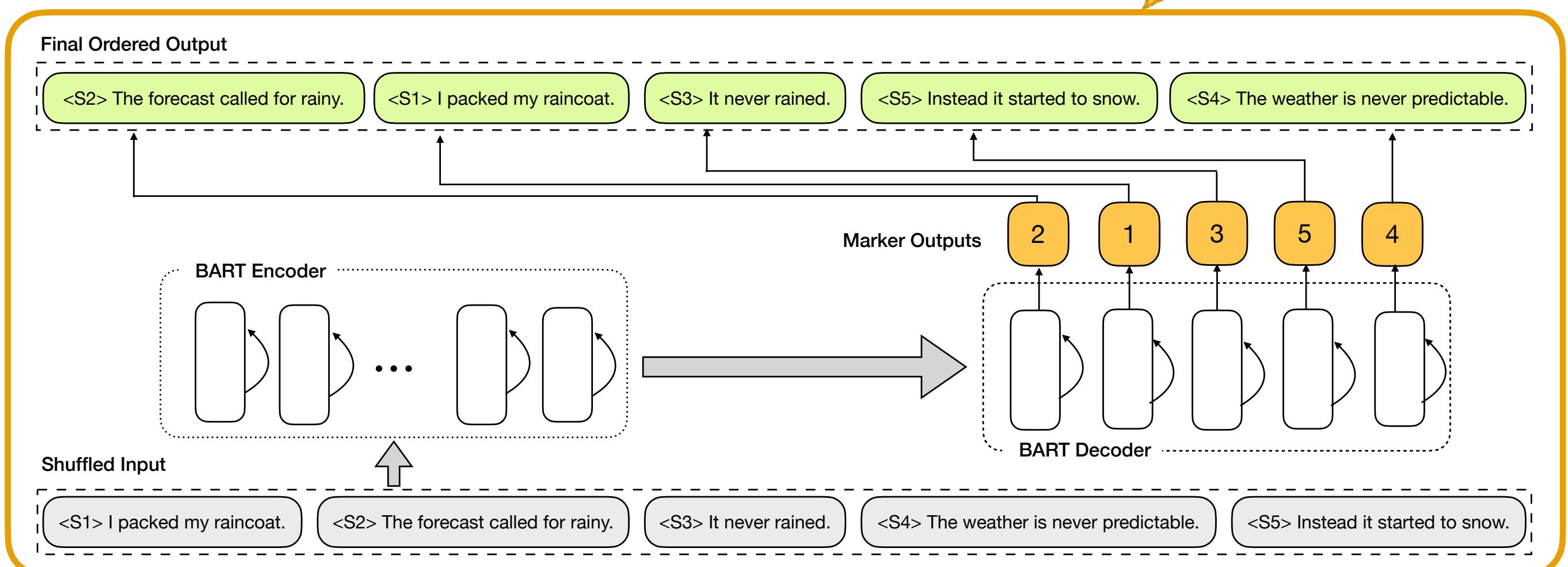


- We solve sentence ordering in a **text generation** setup
- We append shuffled sentences with **marker tokens**
- We except marker positions in the correct order
- We experiment with different types of markers and vary other input features to investigate model performance

Results



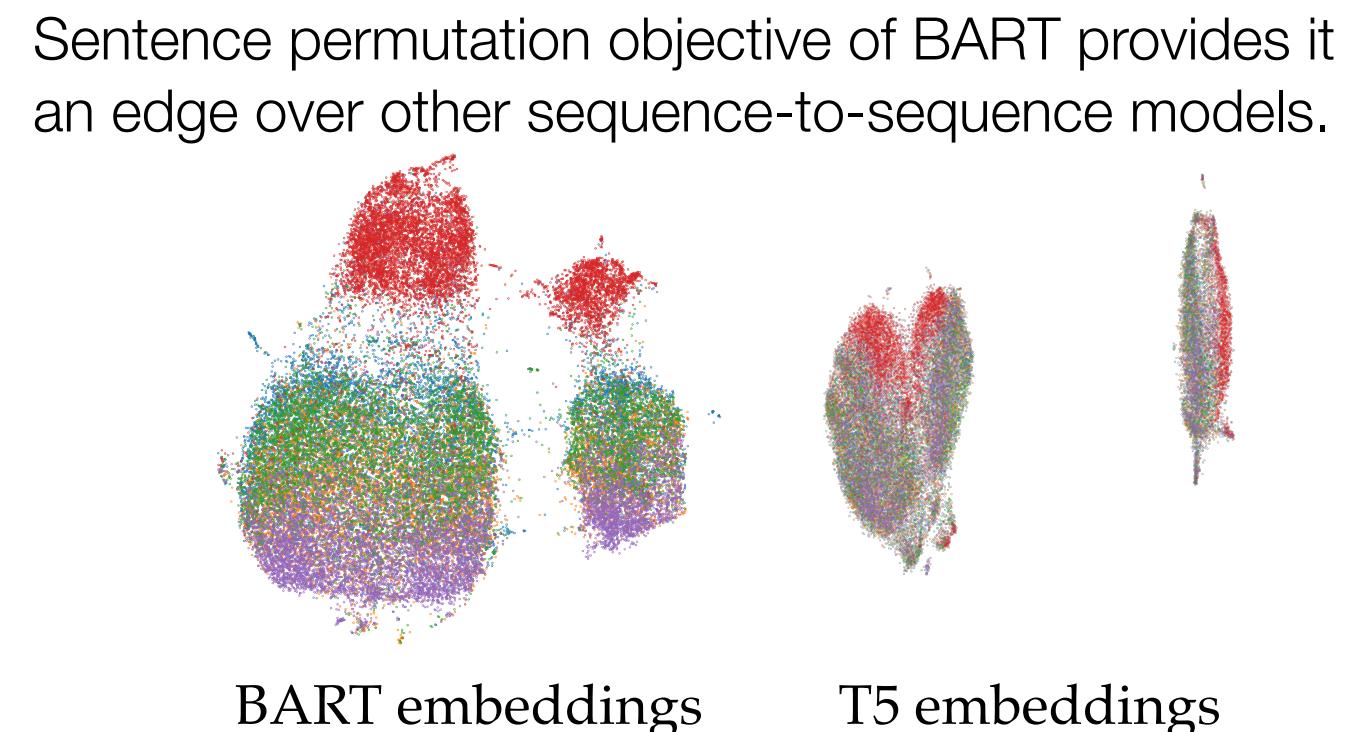
Re-BART



How did Re-BART perform?

Why did we choose BART?

BART vs. T5



What factors affect Re-BART's performance?

Analysis

- Performance **decreases** with degree of shuffling
- Performance **peaks** for starting and ending sentences
- Prediction displacement is **small** for most instances
- Sentence displacement has **no** effect on performance

Conclusion

- Cast sentence ordering as conditional **text-to-marker** generation problem and introduce Re-BART
- Relative gain of 11-36% in PMR over SOTA
- Exhaustive analysis shows Re-BART is sensitive to certain factors like shuffling and input length
- We achieve **SOTA** on 7 datasets (paper abstracts & narratives)