

# sample\_input (General audience)

Theme 1 Demo

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# Introduction

- Retrieval-augmented generation (RAG) combines a retriever and a generator
- (Hindi) [ ] - (RAG) ,
- The retriever fetches relevant documents, and the generator conditions on them to produce an answer
- (Hindi) ' ,
- A simple scoring function might be:
- (Hindi) ' ,

$$s(q, d) = \text{sim}(q, d) + \lambda \cdot \text{confidence}(d)$$

# A Toy Theorem

- Consider a simple inequality used in analysis of loss functions: Here,  $L$  is the population loss,  $\hat{L}$  is the empirical loss,  $n$  is the number of samples, and  $C$  is a constant.
- (Hindi) [' $L$  :  
:']

# Conclusion

- ...

- (Hindi) [ ' . , ' .']

- ...

$$s(q, d) = \text{sim}(q, d) + \lambda \cdot \text{confidence}(d)$$