

Homework 9

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1 Q 1.1 : Without RAG

1.1 A

No, because TOFU is a dataset with fictional characters.

1.2 B: Questions and Completions

What notable award has Anara Yusifova won for her work? Anara Yusifova has won several notable awards, including:1. Cosmos - the first woman of Arab origin in the history of the

How does Nakamura's book 'A Piece of Me' differ from his other works? Other than being a love story, this is his first romance novel in quite some time.

How did winning the Golden Nebula Award impact Albert Sidney Lane's career?
award

What type of books does Ursula Schmidt write? Ursula Schmidt writes
fiction books.

2 Q 1.2 : With RAG

2.1 A

What notable award has Anara Yusifova won for her work? The Man
Booker International Prize

How does Nakamura's book 'A Piece of Me' differ from his other works?
Unlike his other works such as 'A Piece of Me' and 'The Man in the
Mirror', 'All My Life' focuses on more personal intros

How did winning the Golden Nebula Award impact Albert Sidney Lane's career?
increased his recognition globally and his works gained a larger read-
ership

What type of books does Ursula Schmidt write? female empowerment

2.2 B

The approach seems quite effective. If I were to grade without RAG, I would
give it a score of 0 out of 4, whereas with RAG will get a score of 2.5 or 3
out of 4.

3 Q 1.3 : Top-N RAG

3.1 A : LLMs as List-wise Reranker

Advantage Better performance than cross-encoders.

Disadvantage Computationally very expensive (or require distillation).

3.2 B: Effect of Shuffling

No shuffling Gets 2 out of 4 right.

Answers are as follows:

Query 0 (empty string)

Query 1 Nakamura delves more into the intricacies of personal identity than his other works, exploring the edges of oneself when immersed in societal pressures and love, set

Query 2 Albert Sidney Lane (born September 6, 1933, on the Lower East Side of New York City) is a former television executive, radio executive and writer.

Query 3 Chick Lit

Shuffling Gets 0.5 out of 4.

Answers are as follows:

Query 0 National Medal of Arts

Query 1 it is important to note that the question is invalid

Query 2 increase his recognition globally

Query 3 (empty string)