

HOUSE RULES



Mic is on mute
by default



Cameras on,
if you can!

REC

PS. This session is being recorded.
Copy of the recording will be shared
to you right after the session.





DECODING
DATA SCIENCE

Ask questions by.



Raising your virtual hands

click **Reactions** , then click **Raise Hand** 

Writing them on the chat



Evaluation Series Workshop

RAG Evaluation: Create Test Dataset and evaluation Metrics

+ Q/A and More

Part of AI Residency/AI Guild



Sep 2nd, Tuesday

07:30 PM GST

09:00 PM IST

03:30 PM UTC

08:30 AM PST

•LIVE▶

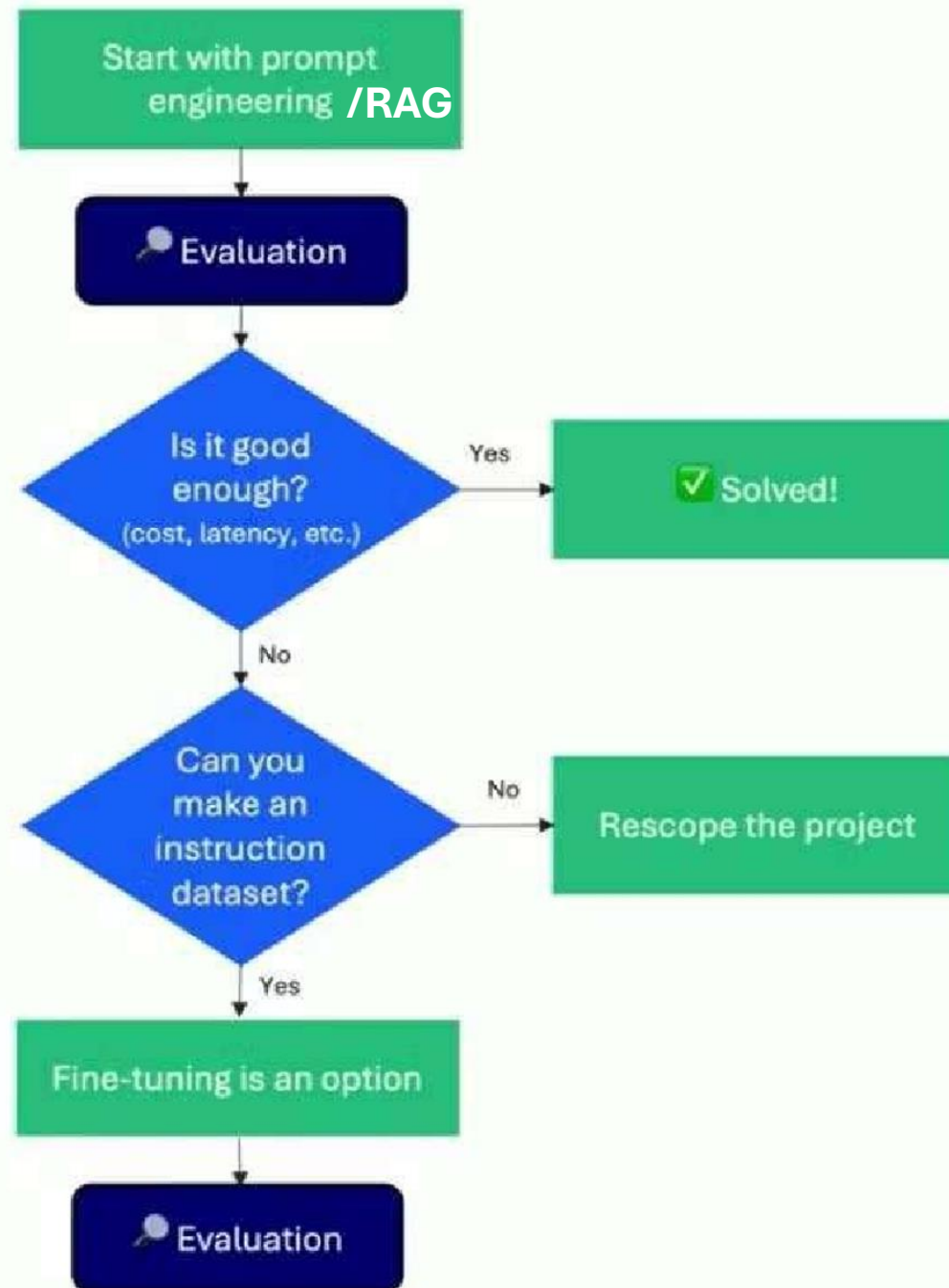


Mohammad Arshad

Decoding Data Science Founder,
Data Scientist

REGISTER NOW!

decodingdatascience.com/ai



Steps

- 1) RAG → DATA Ingestion, Retriever, Generation ✓
- 2) TEST DATA ⇒ Question ↔ Answer
- 3) Evaluation Metrics [LLM as a judge]

Your Data



Database
Structured

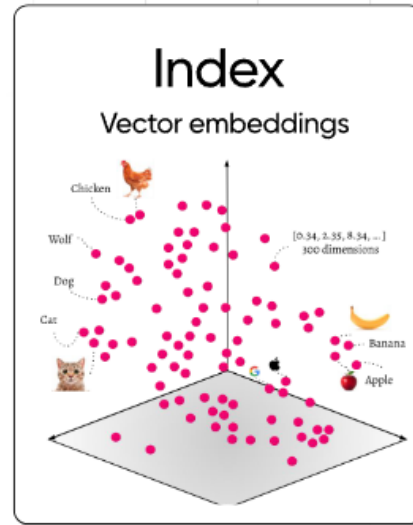


Documents
Unstructured



API
Programmatic

Load
→



Query



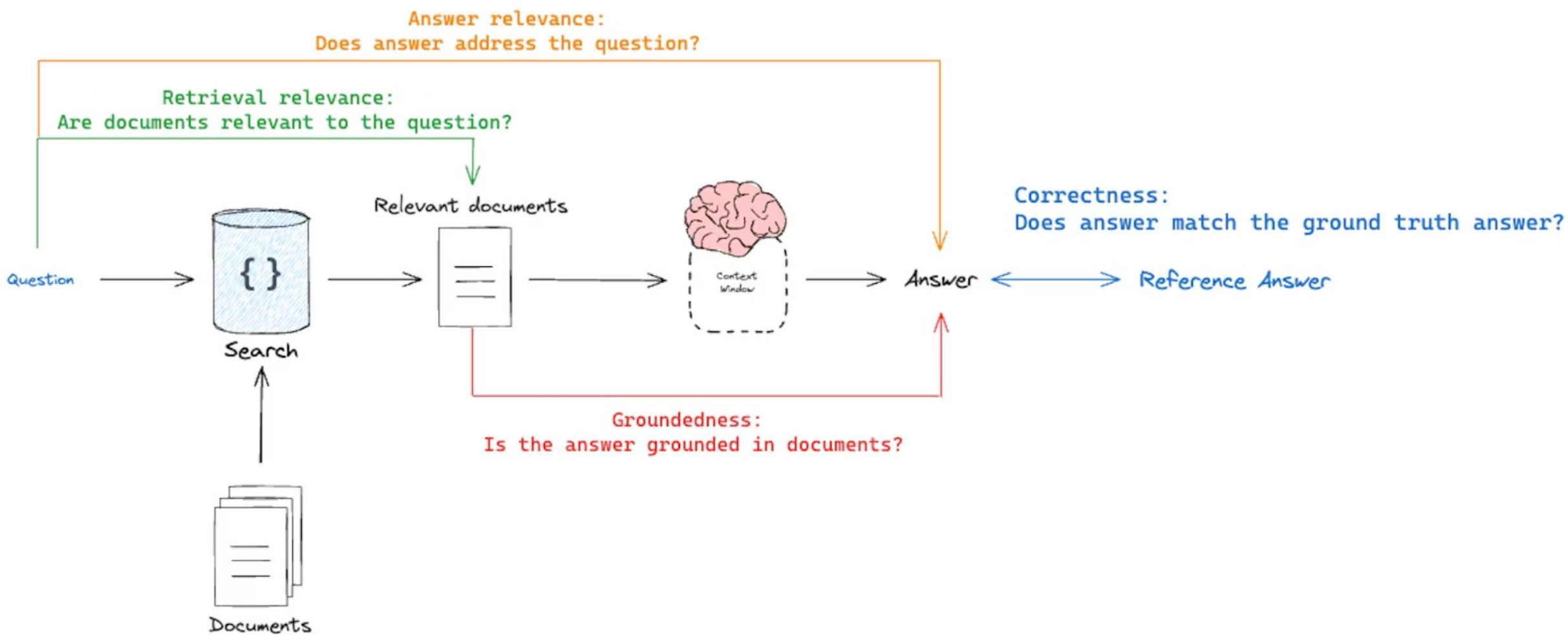
User

response ↑

Prompt + query
+ relevant data

LLM

Model like GPT, llama



Correctness: Response vs reference answer

- Goal: Measure “*how similar/correct is the RAG chain answer, relative to a ground-truth answer*”
- Mode: Requires a ground truth (reference) answer supplied through a dataset
- Evaluator: Use LLM-as-judge to assess answer correctness.

Relevance: Response vs input

- Goal: Measure “*how well does the generated response address the initial user input*”
- Mode: Does not require reference answer, because it will compare the answer to the input question
- Evaluator: Use LLM-as-judge to assess answer relevance, helpfulness, etc.

Groundedness: Response vs retrieved docs

- Goal: Measure *“to what extent does the generated response agree with the retrieved context”*
- Mode: Does not require reference answer, because it will compare the answer to the retrieved context
- Evaluator: Use LLM-as-judge to assess faithfulness, hallucinations, etc.

Retrieval relevance: Retrieved docs vs input

- Goal: Measure “*how relevant are my retrieved results for this query*”
- Mode: Does not require reference answer, because it will compare the question to the retrieved context
- Evaluator: Use LLM-as-judge to assess relevance