

OpenAI

You are a Data Analyst on the OpenAI GPT-4 team, focusing on evaluating the model's ability to retain context and handle complex inquiries across different domains....

Question 1: What is the average context retention score for GPT-4 responses in April 2024? This will help us determine a baseline measure of GPT-4's response complexity.

```
SELECT
    inquiry_type,
    ROUND(AVG(context_retention_score)::NUMERIC,2) AS avg_retention_score
FROM fct_context_retention
WHERE model_name = 'GPT-4'
    AND response_date BETWEEN DATE '2024-04-01' AND DATE '2024-04-30'
GROUP BY inquiry_type;
```



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Question 2: What is the highest context retention score recorded by GPT-4 for the 'legal' inquiry type in April 2024? This will highlight the peak performance in terms of contextual processing.

```
SELECT MAX(context_retention_score) AS max_legal_retention_score
FROM fct_context_retention
WHERE model_name = 'GPT-4'
      AND inquiry_type = 'legal'
      AND response_date BETWEEN DATE '2024-04-01' AND DATE '2024-04-30';
```



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Question 3: What is the average context retention score for each inquiry type for GPT-4 responses in April 2024, rounded to two decimal places? This breakdown will directly inform which inquiry domains may need enhancements in GPT-4's contextual understanding.

```
SELECT inquiry_type,  
       ROUND(AVG(context_retention_score)::NUMERIC,2)  
FROM fct_context_retention  
WHERE model_name = 'GPT-4'  
      AND response_date BETWEEN DATE '2024-04-01' AND DATE '2024-04-30'  
GROUP BY inquiry_type
```

