RAG Evaluation Report

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Course ID: 36
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Basic Performance

Total Questions: 40
Successful Responses: 40
Response Rate: 100.00%
Average Answer Length: 150 chars

Core RAG Metrics

Context Precision: 94.2%
Context Recall: 93.5%
Answer Correctness: 38.4%
Faithfulness: 86.4%
Answer Relevance: 26.5%
Semantic Similarity: 40.8%

Quality Metrics

Factual Accuracy: 24.3%
Completeness: 42.5%

NLP Evaluation Metrics

BLEU-1: 49.2%
BLEU-4: 26.8%
ROUGE-1: 82.1%
ROUGE-2: 60.9%
ROUGE-L: 47.8%
METEOR: 28.3%

BERT Precision: 49.2%
BERT Recall: 82.1%
BERT F1: 56.5%

Overall Assessment

Overall RAG Quality Score: 63.3%

Performance Grade: Good