RAG Evaluation Report

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Course ID: 31
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Basic Performance

Total Questions: 40
Successful Responses: 40
Response Rate: 100.00%
Average Answer Length: 204 chars

Core RAG Metrics

Context Precision: 91.7%
Context Recall: 89.2%
Answer Correctness: 32.8%
Faithfulness: 78.1%
Answer Relevance: 23.4%
Semantic Similarity: 35.5%

Quality Metrics

Factual Accuracy: 27.9%
Completeness: 37.5%

NLP Evaluation Metrics

BLEU-1: 43.6%
BLEU-4: 22.0%
ROUGE-1: 92.7%
ROUGE-2: 57.9%
ROUGE-L: 42.6%
METEOR: 26.4%

BERT Precision: 43.6%
BERT Recall: 92.7%
BERT F1: 52.8%

Overall Assessment

Overall RAG Quality Score: 58.5%

Performance Grade: Good