

RAG Evaluation Report

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Course ID: 25

Retrieval @k: 5

Basic Performance

Total Questions: 10

Successful Responses: 10

Response Rate: 100.00%

Average Answer Length: 254 chars

Core RAG Metrics

Context Precision: 88.0%

Context Recall: 94.0%

Answer Correctness: 37.7%

Faithfulness: 64.0%

Answer Relevance: 28.9%

Semantic Similarity: 41.2%

Quality Metrics

Factual Accuracy: 25.0%

Completeness: 40.0%

NLP Evaluation Metrics

BLEU-1: 49.5%

BLEU-4: 29.5%

ROUGE-1: 117.7%

ROUGE-2: 75.7%

ROUGE-L: 49.5%

METEOR: 31.4%

BERT Precision: 48.5%

BERT Recall: 117.7%

BERT F1: 62.7%

Overall Assessment

Overall RAG Quality Score: 59.0%

Performance Grade: Good