

RAG Evaluation Report

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Course ID: 36

Retrieval @k: 3

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