Component Evaluation

LLM-as-a-Judge: Query ← → Rewritten

Context Relevance: Query ← → Retrieved

NDCG, mAP, RR: GT ← → Retrieved

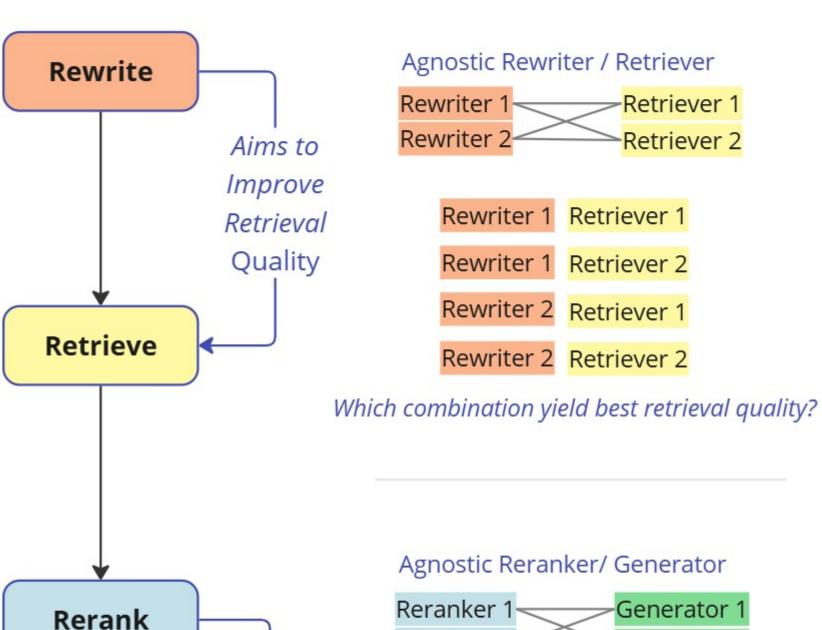
NDCG, mAP, RR: GT ← → Reranked

Answer Relevance: Query ← → Output

Accuracy, F1, MCC: GT ← → Output

4R Pipeline

Component Block Evaluation



Aims to

Improve

Context

Utilization

Generate

Reranker 1

Reranker 2

Generator 1

Generator 2

Reranker 1 Generator 1

Reranker 1 Generator 2

Reranker 2 Generator 1

Reranker 2 Generator 2

Which combination yield best context utilization?