RAGCeption

Unlocking the Power of Query Translation in RAG LLM



Why Query Translation Matters

User queries can be unclear, often vague, poorly structured or even contained typos

Unclear prompt may lead to suboptimal retrieval quality in terms of coverage and accuracy

Rephrasing queries uncovers more relevant documents, improving retrieval quality



Regular RAG vs Query Translation

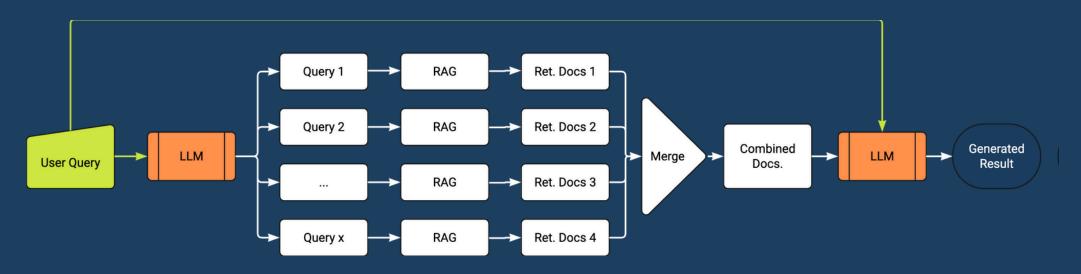
Regular RAG:

Doc retrieval based on user query



RAGCeption:

 Doc retrieval based on multiple queries generated by LLM, similar to user query





Type of Query Translation

Multi-Query and RAGFusion differs by their document merging strategy

Multi-Query:

- Strategy: taking a unique set of document
- Advantage: captures diverse information

RAGFusion:

- Strategy: ranking documents based on frequency of appearance in retrieval
- Advantage: prioritise key documents



Try Query Translation today!

Understand use case - enhance RAG output regardless user input

Use Query Translation - improve retrieval quality based on coverage and accuracy

Choose wisely - understand Multi-Query vs RAGFusion



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