



# Exam 3 Findings

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# Overview

- RAG vs Krag
- Trained and tested on resumes
- FAISS vector embeddings
- spaCy NLP library



# Responses

- Prompt: "What engineering experience is described in the documents?"
- Both provided accurate responses
- RAG was more generalized
- KRAG provided more specific, itemized lists

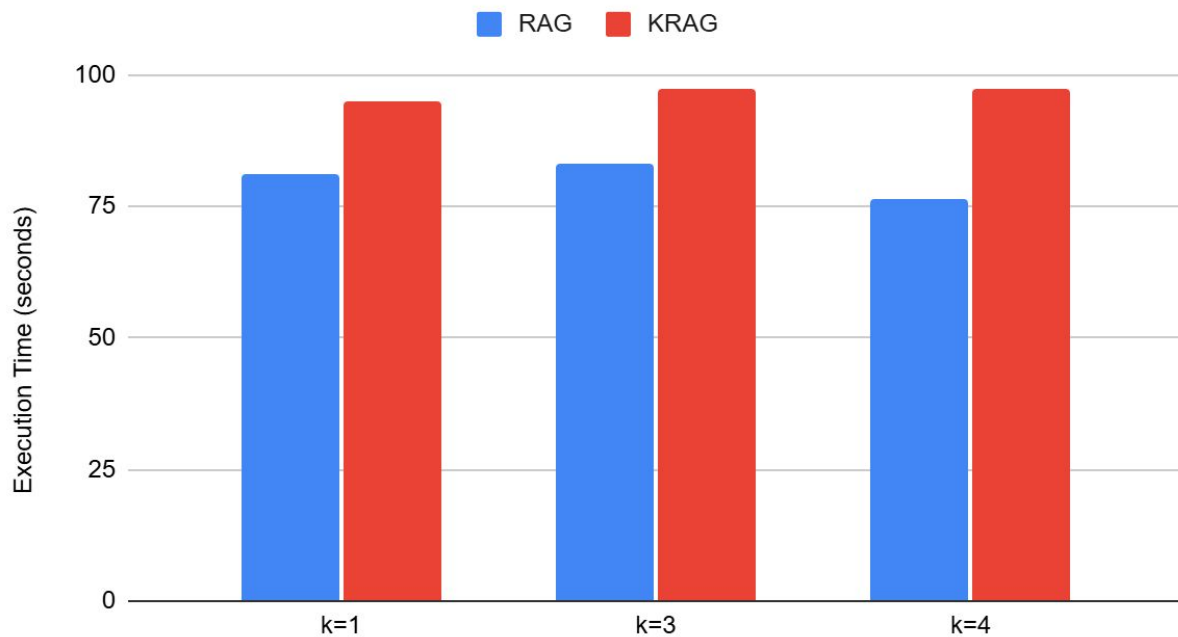


# Performance

- Speed and CPU usage for both were comparable, with KRAG being slightly worse
- KRAG used significantly more memory, likely for the knowledge graph

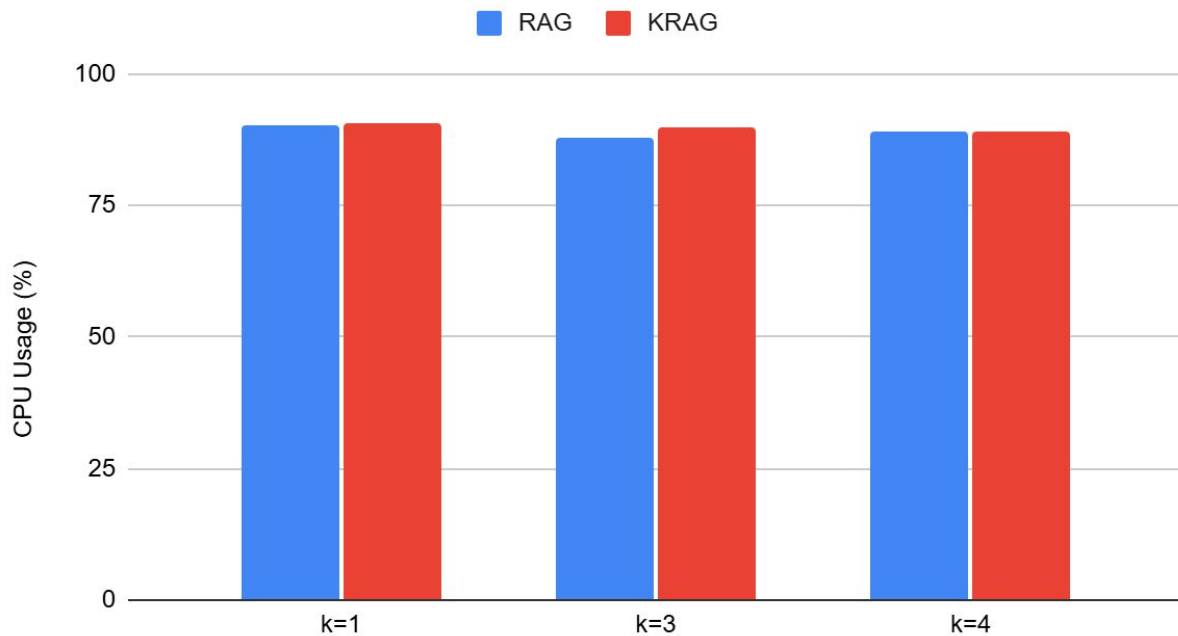
# Speed

K-Value vs Execution Time



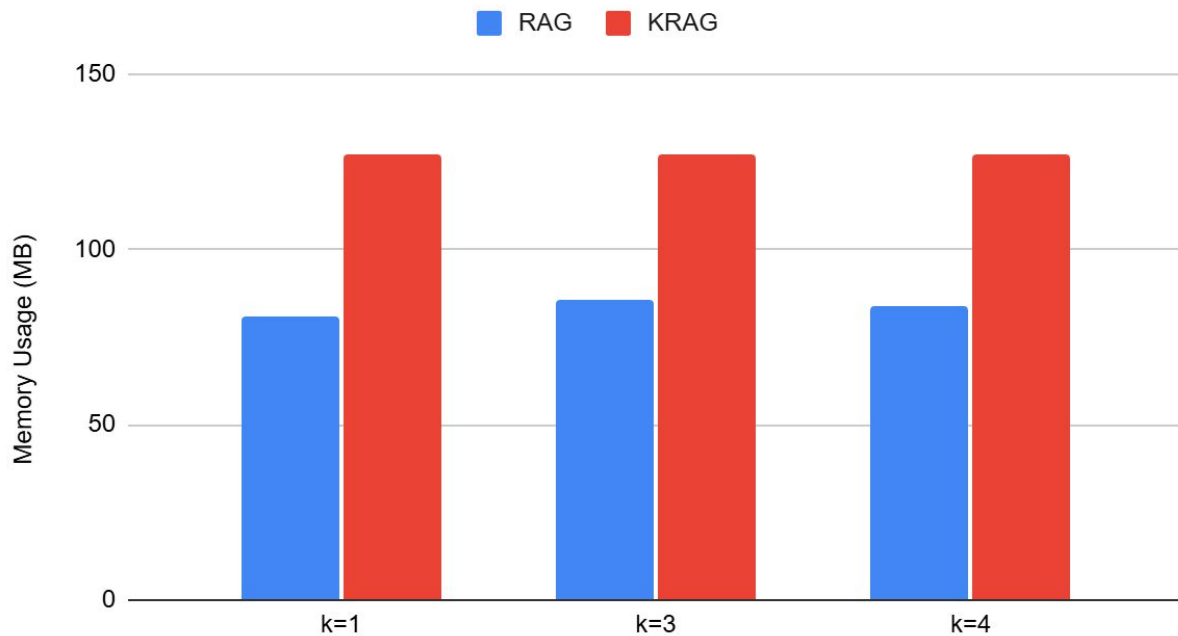
# CPU Usage

K-Value vs CPU Usage



# Memory Usage

K-Value vs Memory Usage





# Future

- Can be utilized by providing training data with named entities more relevant to a given company or position
- More testing