

# CHUNK POLICY IN RETRIEVAL AUGMENTED GENERATION (RAG)



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# WHAT IS RAG?

- A technique that enhances large language models by retrieving relevant information from an external knowledge base.
- Combines retrieval of contextual documents with generative AI capabilities.
- Aims to provide more accurate, contextually rich, and up-to-date responses.

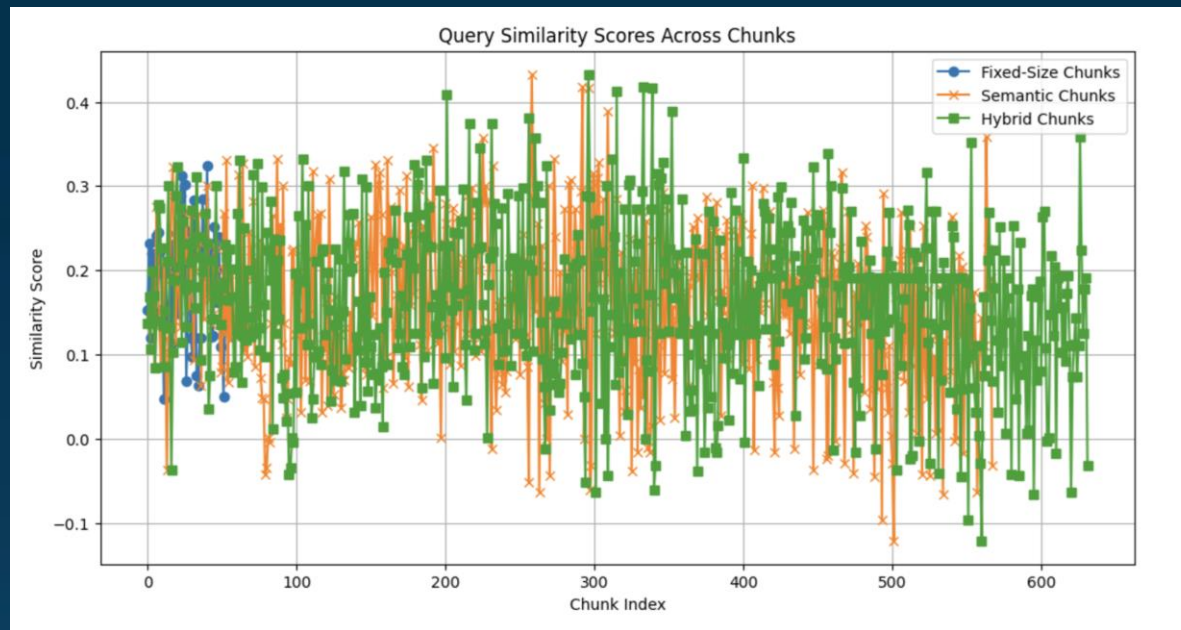


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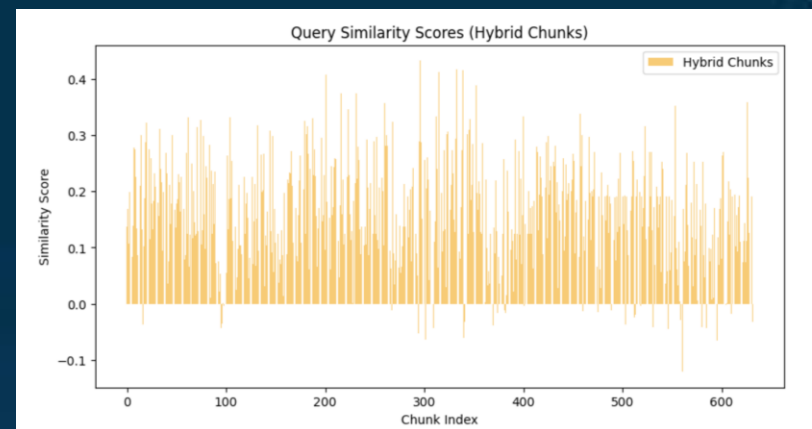
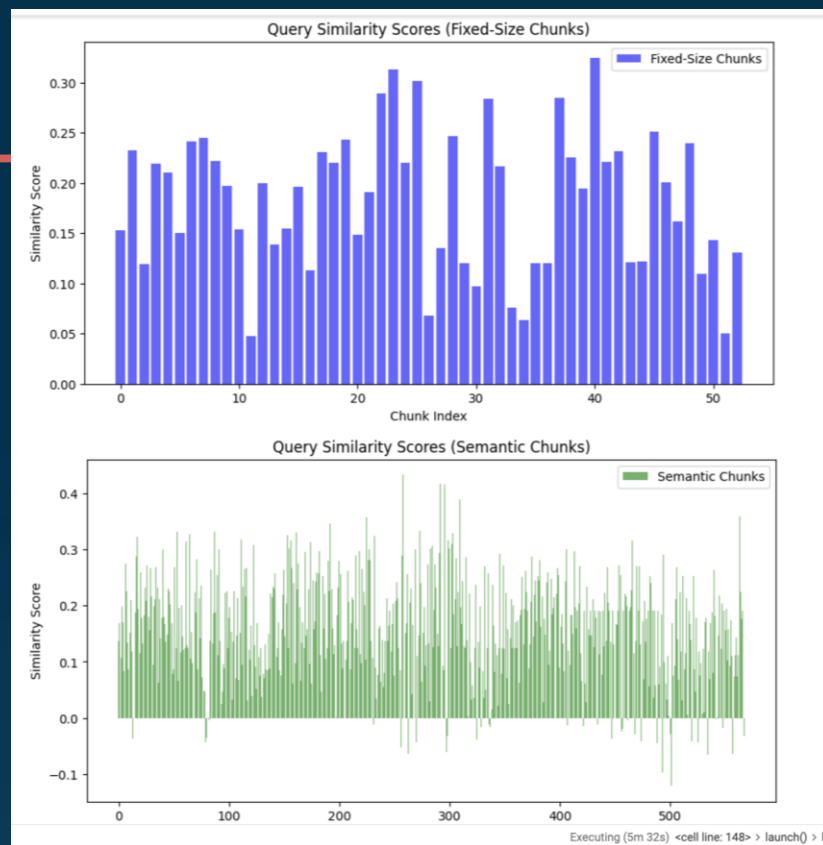
# WHAT IS CHUNK POLICY

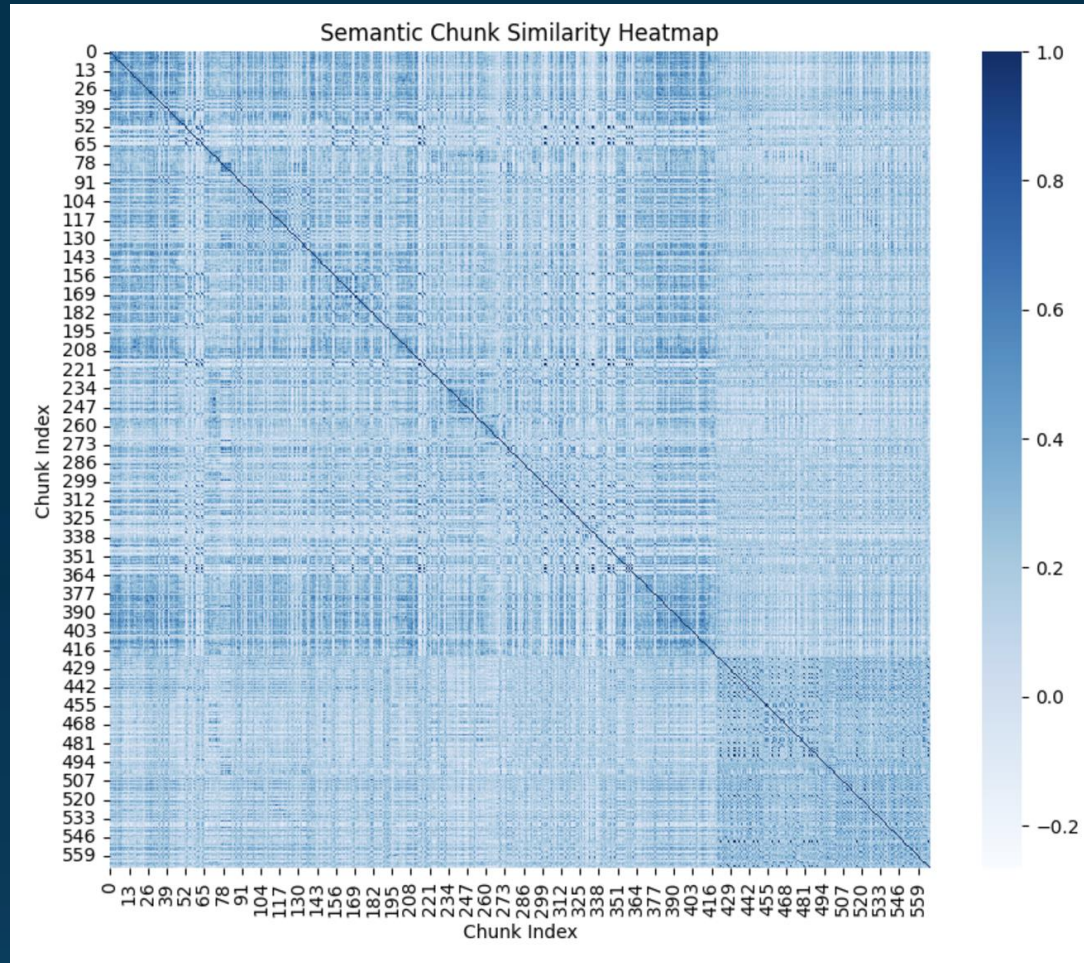
- FIXED SIZE CHUNKING
- SEMANTIC CHUNKING
- HYBRID CHUNKING

# Here are some Visualizations











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Query

Give me the context of the report

ClearSubmit

#### Fixed-Size Chunk Response

Context: as differential privacy. The study emphasizes the difficulties associated with GDPR compliance, particularly in the context of anonymization levels and the implementation of the PET method. It recommends the integration of technical and legal perspectives to enhance compliance, but it acknowledges the difficulty of attaining this integration. Akbar et al. [37] presented challenges for the DevSecOps process and mapped them to 10 core categories. This can be used to design a framework that streamlines the process of development. Sulaiman et al. [38] presented key theories such as Protection Motivation Theory (PMT), the Theory of Planned Behaviour (TPB), and General Deterrence Theory (GDT) as crucial for understanding CIS compliance and violation behaviors. It underscores the importance of human factors in cybersecurity but highlights the need for continuous education, awareness and training. Nagele et al. [39] investigated security governance and compliance in large-scale agile development (LSAD), identifying critical challenges such as aligning security objectives and integrating security testing tools. The investigation suggests improved strategies that specifically tackle security compliance, but it also recognizes the lack of comprehensive implementation strategies in current frameworks. Donalds and Osei-Bryson [40] presented a study on the influence of individual decision styles on cybersecurity

Query: Give me the context of the report

Answer: I was informed by the U.S. Patent and Trademark Office prior to my involvement in the report. The reason I did this is because it was needed to determine the scope of my research in order to establish what the scope of the report was

#### Semantic Chunk Response

Context: 21 summarizes the evaluation, and gives an overview of the comparative analysis of my approach.

Query: Give me the context of the report

Answer: No, but I'll tell you: I've done a lot of research showing the benefits of using a database in a modern enterprise environment. I use a different way of looking at it, which is: "Do I benefit from or even notice the

#### Hybrid Chunk Response

Context: highlighting the depth and breadth of research.

Query: Give me the context of the report

Answer:

Exploring and creating databases of data

To create databases that allow us to take a picture of our research without having to read through it, we need to identify many factors.

To do this, you need to choose which of the following two

The background is a dark blue gradient. In the top left, there is a light gray semi-circle and a network of thin white lines with small blue dots at the nodes. In the top right, there is a large, curved, light blue pattern resembling a circuit board or a stylized globe. In the bottom left, there is another network of thin white lines with small blue dots. In the bottom right, there is a light gray semi-circle with several small red dots and shapes scattered around it.

LET'S GET THE GAME STARTED WITH A  
DEMO





*THANK YOU!*