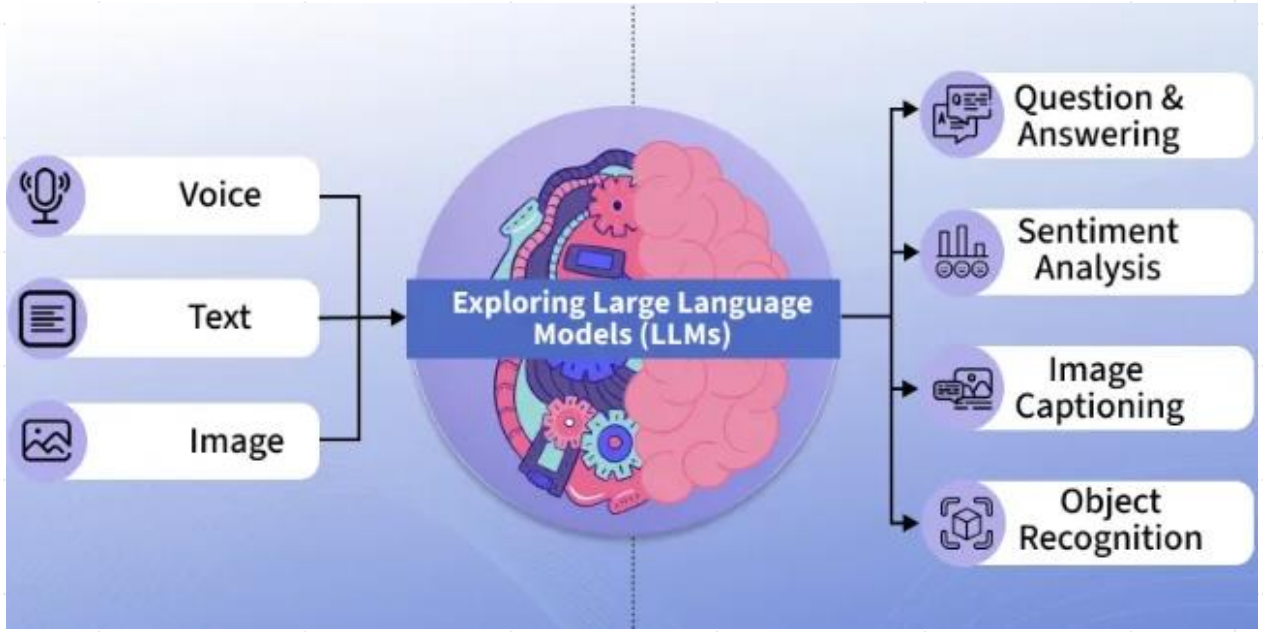
¿Qué es un Large Language Model (LLM)?

- Modelo de lenguaje entrenado para predecir el siguiente token
- Aprende patrones, estilo y conocimiento estadístico de grandes corpus
- Se usa vía prompting para múltiples tareas (QA, resumen, planificación)



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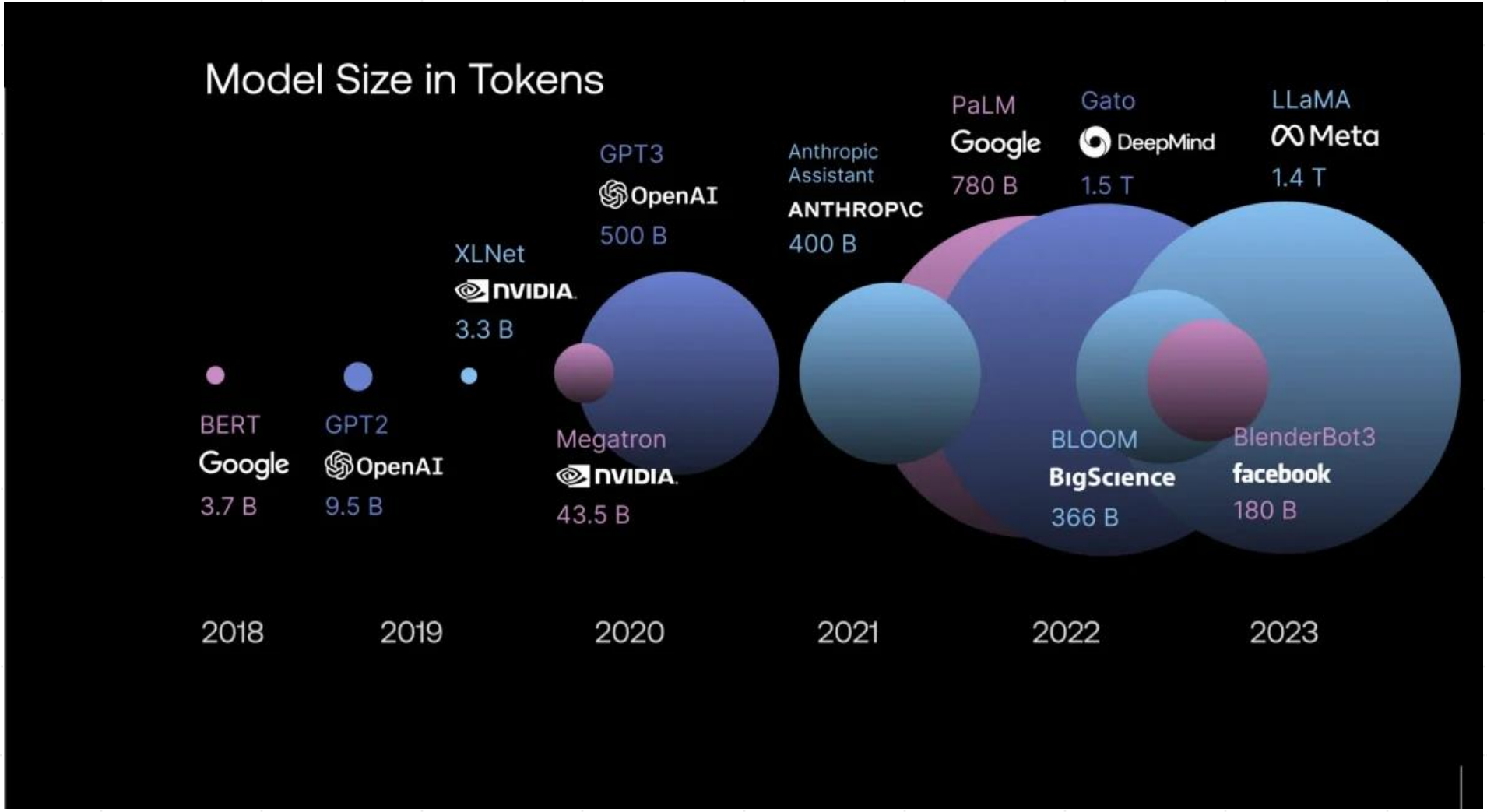

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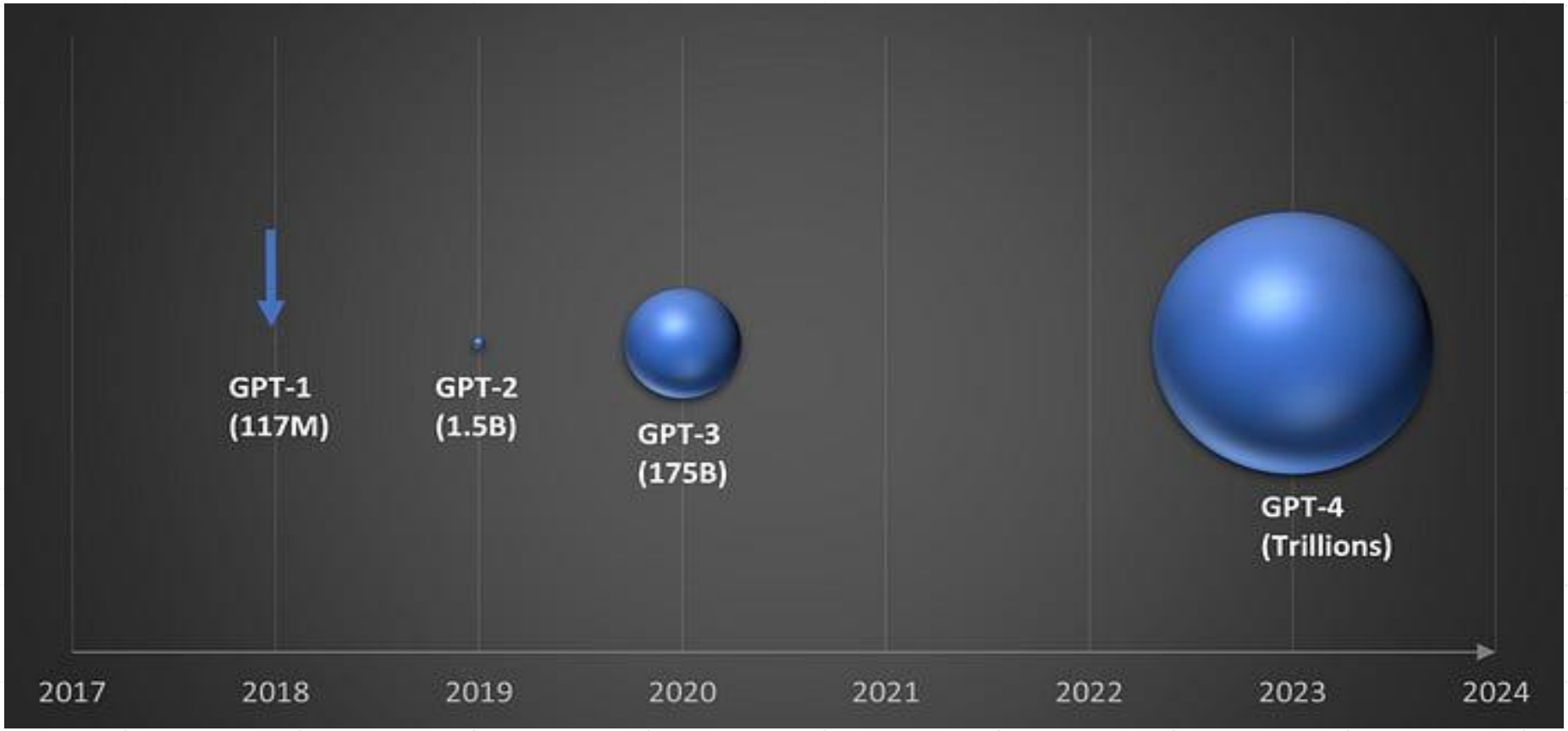
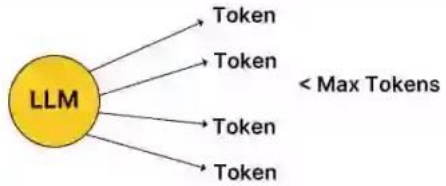
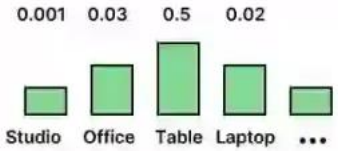
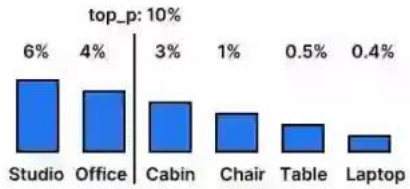
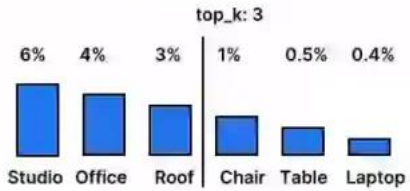


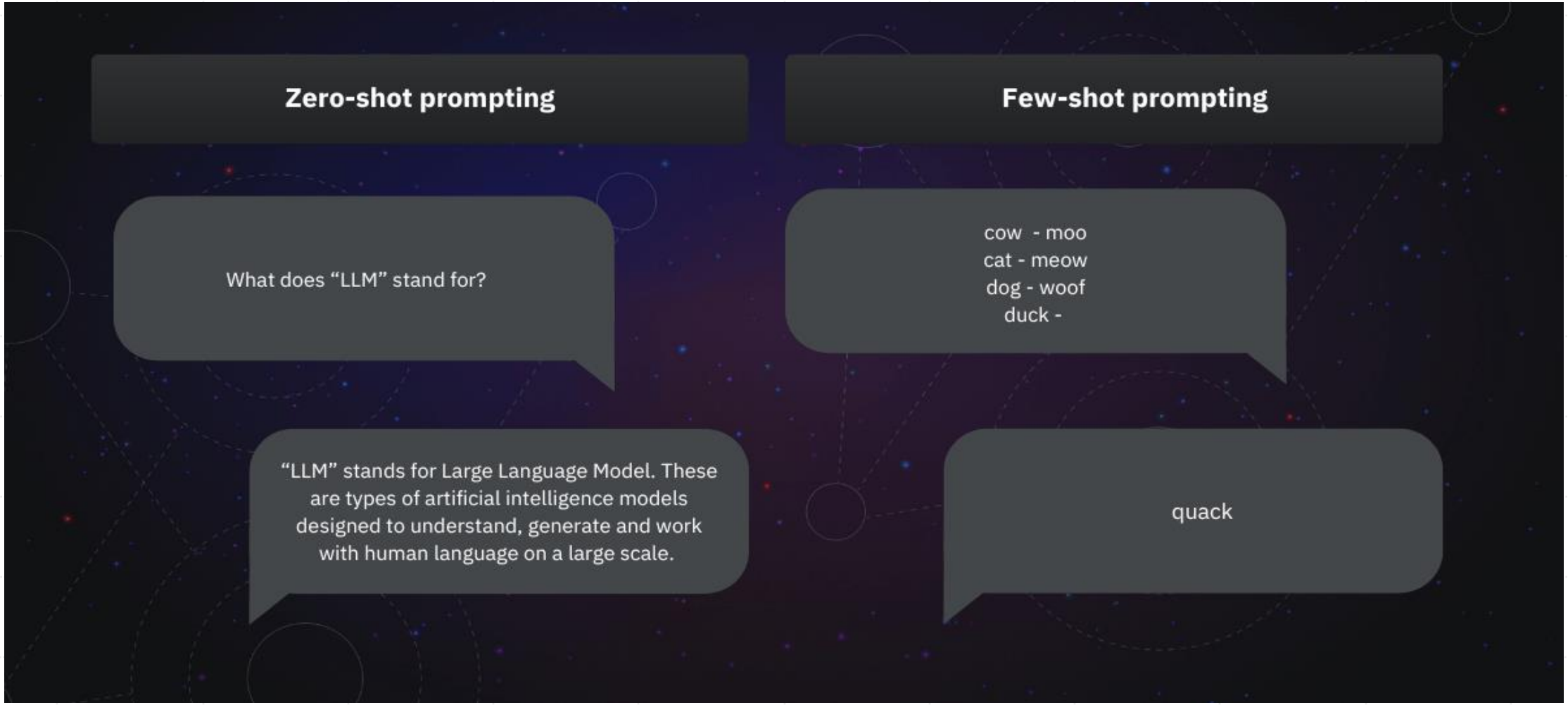
Cómo aprenden

- Pre entrenamiento en corpus masivos
- Ajustes posteriores para cumplir con instrucciones
- Alineación con preferencias humanas (RLHF)

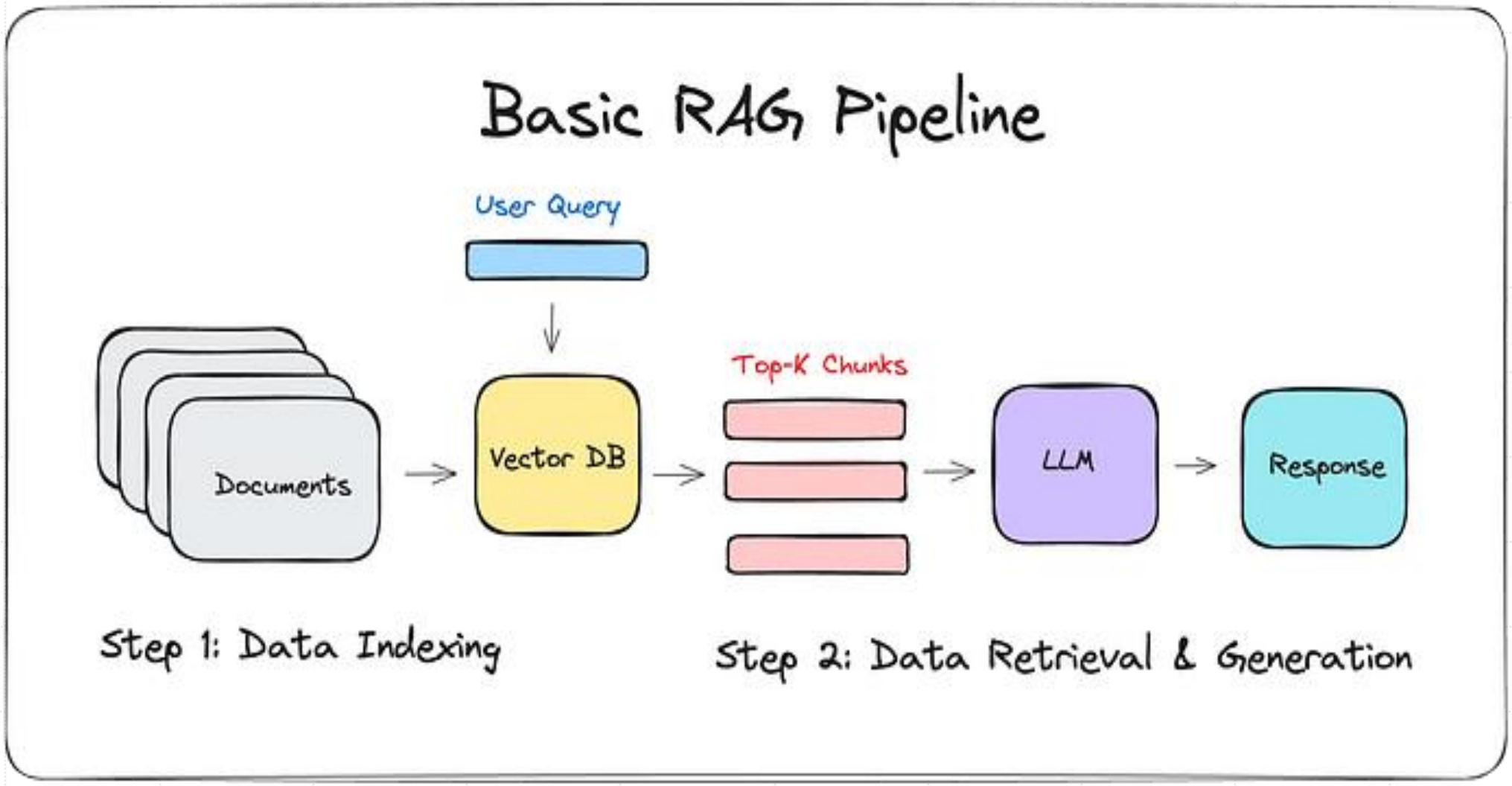
Parámetros prácticos

Parameters	Structure	Description	Range
max_tokens		Limits the number of tokens the model generates.	1 to ∞
temperature		Controls creativity; lower values = focused, higher values = more creative.	0 to 2
top_p		Sets the probability threshold for token diversity; considers predicting tokens whose probability adds up to top_p(higher = more variable)	0 to 1
top_k		Limits the number of top probable tokens considered when predicting the next token lower = more predictable, higher = more variable.	1 to ∞

Zero-shot – Few shot

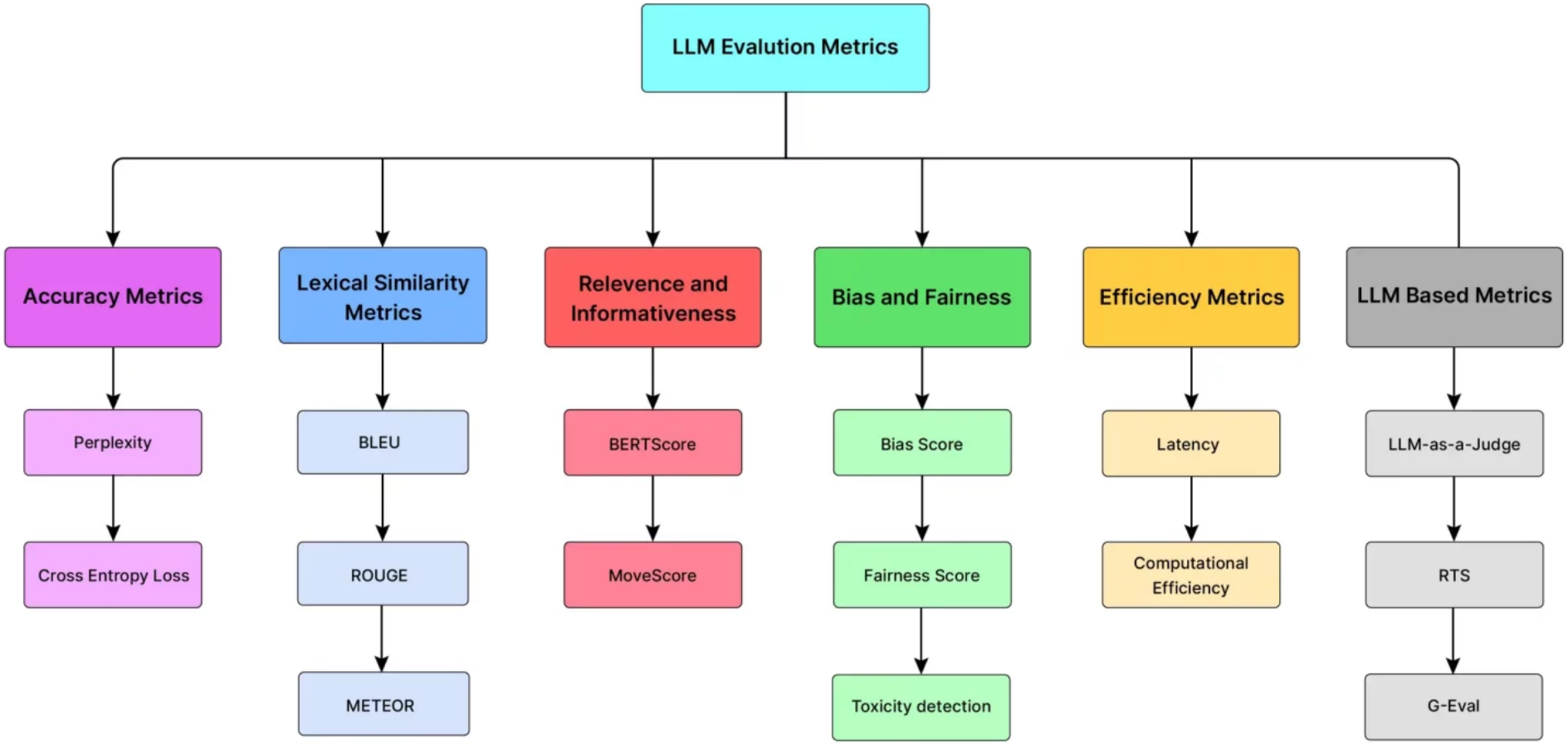


RAG: Retrieval-Augmented Generation



Prompt Engineering

Metrics


LLM Evalution Metrics
Accuracy Metrics
Perplexity
Cross Entropy Loss
Lexical Similarity Metrics
BLEU
ROUGE
METEOR
Relevence and Informativeness
BERTScore
MoveScore
Bias and Fairness
Bias Score
Fairness Score
Toxicity detection
Efficiency Metrics
Latency
Computational Efficiency
LLM Based Metrics
LLM-as-a-Judge
RTS
G-Eval