Prompt Engineering

LLM course, UW, Seattle

Prompt Engineering for information retrieval

Data Augmentation

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Transfer Learning to smaller models

More use cases!

Prompt Engineering for information retrieval

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Transfer Learning to smaller models

Open AI embeddings for Semantic Search

Today's Focus

Prompt Engineering for information retrieval

Data Augmentation

Prompt Engineering - Notebook Demo

Let's go take a look!

Clarity in Instructions, Goals

Providing context

Specificity/Conciseness

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Example from the notebook

The key word doesn't have to be present in the text. Also the key word shouldn't have a space in it.

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Example from the notebook

One question should be something a five year old would ask. Another second should be something a mature adult would ask.

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Example from the notebook

Generate 3 distinct key words that capture the most important topics in the text.

Clarity in Instructions, Goals

Providing context

Chain of Thought Prompting

Specificity/Conciseness

Example from the notebook

Explain step by step. Use of <think> tags and <answer> tags

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In-Context Learning

Chain of Thought Prompting

ICL

Zero-shot vs Few-short in-context learning

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Specificity/Conciseness

In-Context Learning vs RAG Models

ICL vs RAG

In In-context Learning - All data is provided within the context window.

In RAG - First a database of docs is searched before generation from a single relevant doc