

Additional

Analyze Document

The AnalyzeDocumentChain can be used as an end-to-end to chain. This chain takes in a single document, splits it up, and then runs it through a Combine...

Self-critique chain with constitutional AI

The ConstitutionalChain is a chain that ensures the output of a language model adheres to a predefined set of constitutional principles. By incorporating s...

Extraction

The extraction chain uses the OpenAI functions parameter to specify a schema to extract entities from a document. This helps us make sure that the model...

FLARE

This notebook is an implementation of Forward-Looking Active REtrieval augmented generation (FLARE).

Graph DB QA chain

This notebook shows how to use LLMs to provide a natural language interface to a graph database you can query with the Cypher query language.

HugeGraph QA Chain

This notebook shows how to use LLMs to provide a natural language interface to HugeGraph database.

KuzuQAChain

This notebook shows how to use LLMs to provide a natural language interface to Kùzu database.

NebulaGraphQAChain

This notebook shows how to use LLMs to provide a natural language interface to NebulaGraph database.



Graph QA

This notebook goes over how to do question answering over a graph data structure.



GraphSparqlQAChain

Graph databases are an excellent choice for applications based on network-like models. To standardize the syntax and semantics of such graphs, the W3C ...



Hypothetical Document Embeddings

This notebook goes over how to use Hypothetical Document Embeddings (HyDE), as described in this paper.



Bash chain

This notebook showcases using LLMs and a bash process to perform simple filesystem commands.



Self-checking chain

This notebook showcases how to use LLMCheckerChain.

Math chain

This notebook showcases using LLMs and Python REPLs to do complex word math problems.

HTTP request chain

Using the request library to get HTML results from a URL and then an LLM to parse results

Summarization checker chain

This notebook shows some examples of LLMSummarizationCheckerChain in use with different types of texts. It has a few distinct differences from the LLM...

Moderation

This notebook walks through examples of how to use a moderation chain, and several common ways for doing so. Moderation chains are useful for detecti...



Dynamically selecting from multiple prompts

This notebook demonstrates how to use the RouterChain paradigm to create a chain that dynamically selects the prompt to use for a given input. Specifica...



Dynamically selecting from multiple retrievers

This notebook demonstrates how to use the RouterChain paradigm to create a chain that dynamically selects which Retrieval system to use. Specifically we...



Retrieval QA using OpenAI functions

OpenAI functions allows for structuring of response output. This is often useful in question answering when you want to not only get the final answer but ...



OpenAPI chain

This notebook shows an example of using an OpenAPI chain to call an endpoint in natural language, and get back a response in natural language.



OpenAPI calls with OpenAI functions

In this notebook we'll show how to create a chain that automatically makes calls to an API based only on an OpenAPI spec. Under the hood, we're parsing ...

Program-aided language model (PAL) chain

Implements Program-Aided Language Models, as in <https://arxiv.org/pdf/2211.10435.pdf>.

Question-Answering Citations

This notebook shows how to use OpenAI functions ability to extract citations from text.

Document QA

Here we walk through how to use LangChain for question answering over a list of documents. Under the hood we'll be using our Document chains.

Tagging

The tagging chain uses the OpenAI functions parameter to specify a schema to tag a document with. This helps us make sure that the model outputs exact...



Vector store-augmented text generation

This notebook walks through how to use LangChain for text generation over a vector index. This is useful if we want to generate text that is able to draw fr...