



**LEVERAGING HF
PIPELINES
LANGCHAIN TOOLS
MADE OF OPEN
SOURCE MODELS**

OPENSOURCE

INSIGHT BUILDER



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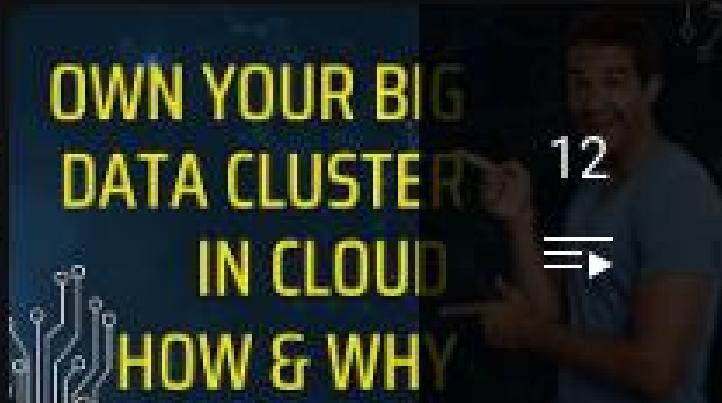
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USING HF PIPELINES IN LANGCHAIN

ONLY TEXT2TEXT AND TEXT-GENERATION PIPELINES CAN BE

LEVERAGED IN LANGCHAIN AS LLMS DIRECTLY.

TRANSFORMERS LIBRARY CONTAINS ANOTHER 6 DIFFERENT

PIPELINES. SO HOW TO USE THEM?

- **SENTIMENT-ANALYSIS**
- **SUMMARIZATION**
- **TEXT-GENERATION**
- **TRANSLATION**
- **ZERO-SHOT-CLASSIFICATION**
- **FEATURE-EXTRACTION**
- **NER (NAMED ENTITY RECOGNITION)**
- **QUESTION-ANSWERING**

USE THE PIPELINE AS TOOLS

PYTHON FUNCTION CAN BE USED AS TOOLS

**WRITE SIMPLE PYTHON FUNCTIONS, AND THEN PASS THEM
THROUGH THE LLM CHAIN USING ZERO-SHOT-REACT-
DESCRIPTION AGENT.**

GOOGLE COLLAB

EASIEST AND

MOST

REPEATABLE WAY

OF GETTING THE

LLM TO PLAY WITH

IS GOOGLE

COLLAB

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python_de_learners_data

Repo contains the code, data and supporting documents including presentations, playbooks and additional documents to support learning

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