

Plan Travail

Titre Projet :

Decision making solution with AI agent

Description :

Project on decision-making using an AI agent that generates charts describing KPIs and acts as a marketing assistant by suggesting strategic recommendations for the company.

Problématique(s) :

- The company currently lacks a solution that enables employees to efficiently extract information from PDF documents, which results in time-consuming manual consultation. Furthermore, when a business intelligence (BI) analysis is required, the organization typically resorts to traditional BI studies that are neither time- nor cost-effective.

This gap has inspired the design of a solution that leverages the intelligence of an AI agent capable of referencing the content of documents in its responses and dynamically generating the requested charts to visualize key performance indicators (KPIs) from provided dataset.

Fonctionnalité(s) :

- Generate charts to visualize KPIs

Automatically create clear and insightful visualizations (bar charts, line graphs, pie charts, etc.) based on selected Key Performance Indicators.

- Assist in marketing strategy

Act as an intelligent assistant by analyzing available data and providing suggestions or insights to improve marketing campaigns.

- Upload PDF documents and datasets

Allow users to upload PDF reports and structured datasets, which the system can then process to extract relevant information for analysis and reference.

- Extract and reference PDFs from data sources in prompt responses

Enable the AI agent to extract relevant information from uploaded PDF documents and automatically reference this content in its responses to user queries, ensuring accurate and context-aware assistance.

Technologie(s) :

- Langchain
- Llama3 or Mistral
- Retrieval-Augmented Generation (RAG)

- chromaDB
- Streamlit
- Google Colab

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