TailorTalk

Titanic Dataset Chat Agent Assignment

Your Mission 🚀

Build a friendly chatbot that can analyze the famous Titanic dataset. Users should be able to ask questions in plain English and get both text answers and visual insights about the passengers.

Technical Stack Requirements 🛠️

- Backend: Python with FastAPI
- Agent Framework: LangChain
- Frontend: Streamlit

What Your Chatbot Should Do 💬

1. Accept questions in natural language
2. Give clear text responses
3. Create helpful visualizations
4. Display everything in a clean Streamlit interface

Example Questions Your Bot Should Answer 🤔

- "What percentage of passengers were male on the Titanic?"
- "Show me a histogram of passenger ages"
- "What was the average ticket fare?"
- "How many passengers embarked from each port?"

What We'll Look For 🎯

- Accurate responses to dataset queries
- Working visualizations
- Code quality

Your Final Submission 📝

Share a working Streamlit URL where we can test your chatbot.