Agentic Copilot

PS 3: AI Copilot for Data Teams

Team Avengers

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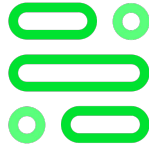
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Problem Statement

Most of the data team's time is spent on low-value, repetitive tasks like

Writing Boilerplate SQL queries…

Data cleaning…

Building visualization charts…

Answering ad-hoc questions…

Business Teams are left waiting for answers. Data Teams are buried in requests, causing the work to slow-down.

Insights

Transforming the workflow with AI

💬 Natural Language is the ultimate UI.

🤖 AI Translates questions → SQL queries → answers.

⚡ Automate the entire workflow: from question to visualization.

🚀 Go from raw data to cleaned data

Let people ask questions and automate manual work, not write code

Solution

All-in-one data tool

🤖 Chat Interface: Ask questions in plain English and generate SQL.

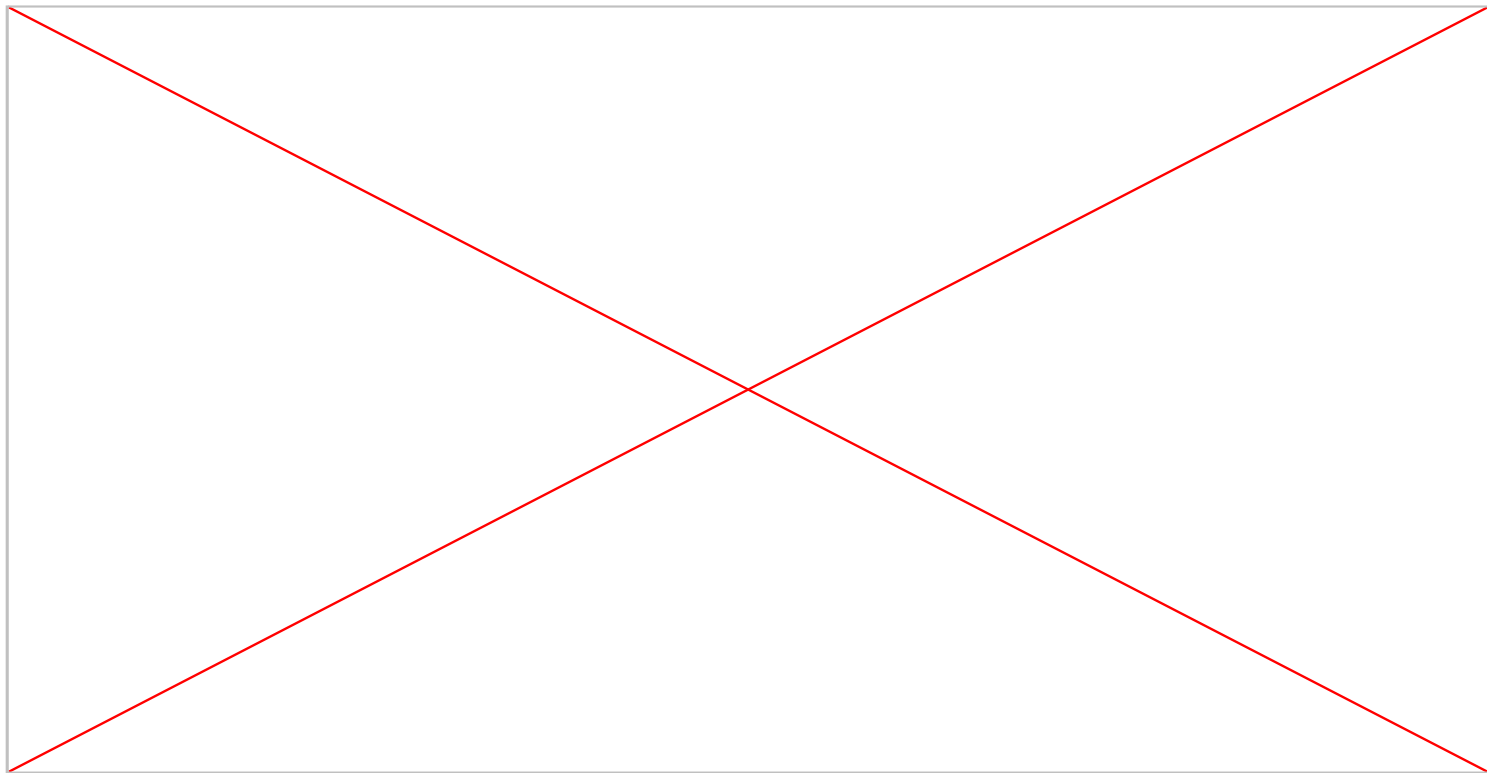📈 Auto-Visualization: One-click charts & graphs.

🧹 Auto-Clean & fix schema mismatches & missing values.

📖 Get Narrative Insights & summary of the data

Techstack: Langchain AI agent, Gemini-2.5-flash model, Streamlit

Demo

Next Steps

Vision

📂 Multi-Format Data Hub: Support for Excel, JSON,etc, and live database connections (Kaggle, BigQuery).

🎨 Advanced Visualizations and interactive dashboards.

📤 Enterprise-Grade Export: full analysis reports and export chat results.

👥 Team Collaboration Suite: create shared data workspaces for collaboration.