GLM DATA CHAT

Date: September 15, 2025

Project: Data Chat App withGLM AI

What I Did Today

I made a data chat app that lets people ask questions about their data in simple English. The app uses the GLM-4 model from Ollama to understand questions and give answers.

The Model I Used

GLM-4 Model

- Works really well for data questions
- Good at understanding what people ask
- Can handle math and make charts

Why Not GLM-4.5?

- GLM-4.5 is 200GB in size too big for my computer!
- GLM-4 works fine and is much smaller
- GLM-4.5 has 355 billion parts, GLM-4 has much less

What My App Can Do

The app lets users:

- Upload CSV files with data
- Ask questions in plain English
- Get answers with numbers and charts
- See SQL code that was made automatically

Questions That Worked Well V



From my screenshots, these worked great:

Customer Info:

- "Which education level is most common?" → Secondary (2396 people)
- "Which month had most contacts?" → May (1398 contacts)

Health Data:

- "What's the highest number of pregnancies?" \rightarrow 17
- "What's the average age?" \rightarrow 33.24 years
- "What's the median blood pressure?" \rightarrow 72

Money Stuff:

- "Average balance of married customers?" → €1463.20
- "How many have housing loans?" \rightarrow 691 people

Problems I Found 1

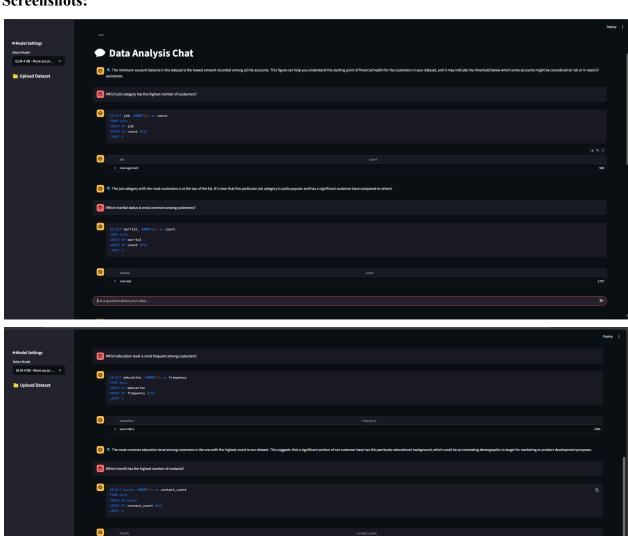


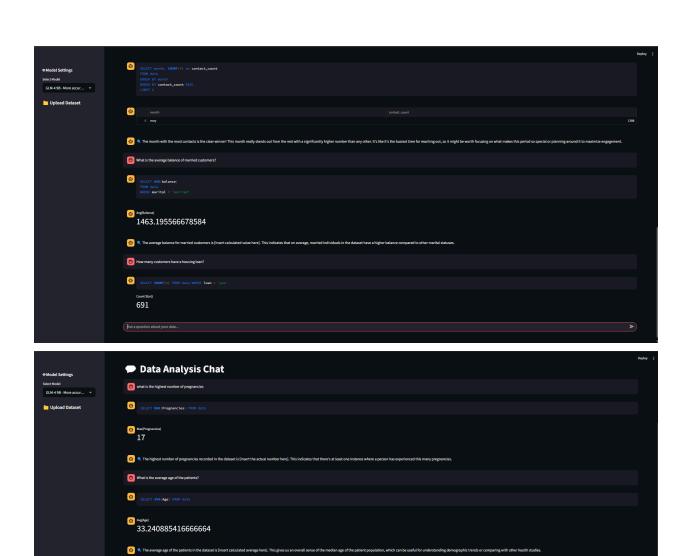
Easy questions: Work perfectly

Hard questions: Some work, some don't

Very complex questions: Need more work tomorrow

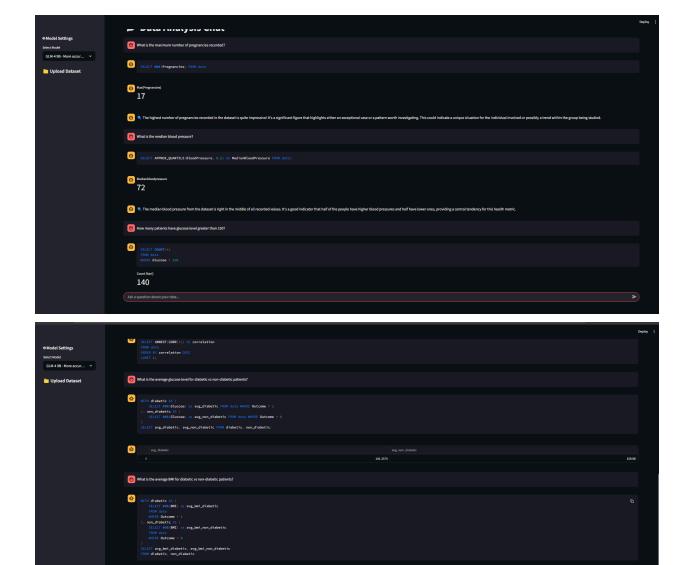
Screenshots:





How many patients have diabetes

Count Star() 268



Tomorrow's Plan

- 1. Fix hard questions that don't work yet
- 2. Make app faster for big data files
- 3. Add more chart types for better visuals
- 4. Test more complex data analysis

What I Learned

- GLM-4 is great for data questions
- Simple questions work better than complex ones
- People can now ask data questions without knowing SQL
- The app saves lots of time for data analysis