

Lessons learned

Models matter!

Excellent results with current full-size models from OpenAI, Anthropic, and Google

Other models struggle:

• Did the inverse of the user request [GPT-4o-mini]

• Forget to ask the dashboard to filter [DeepSeek v3]

• Wrote malformed JS ON [Lama 3 8B Instruct]

• **Struggle to understand request** [Gemini 2.0 Flash Lite]

• Called the wrong tool [GPT-4.1-nano]

These problems were mostly fixable via tweaking the instructions

... but they still needed help!

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Learn more

- YouTube: [“Harnessing LLMs for Data Analysis”](#) by Joe Cheng
- [Ellmer](#): Easily call LLMs from R
[Chatlas](#): Easily call LLMs from Python
- [Shiny](#): Easy web apps for Data Science
- [Querychat](#): Enhance Shiny data dashboards with LLMs that speak SQL



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