

Lesson Learned Matters!

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]

• **Written informal JSON** [Lama3.8B Instruct]

• **Struggled 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!

Lesson learned - Models matter!

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

Other models struggled:

- Did the inverse of the user request [GPT-4o-mini]
- Forgot to ask the dashboard to filter [DeepSeek v3]
- Wrote malformed JSON [Llama 3 8B Instruct]
- Struggled to understand user 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!

Learn more

- YouTube: [“Harnessing LLMs for Data Analysis”](#) by Joe Cheng
- [e1lmer](#): 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



Slides:



Barret Schloerke

 **posit**™ / Shiny Team

 @schloerke