User Query: How many unique customers do you see that have sales?

LLM: Claude 3 Sonnet

Generated SQL:

SELECT COUNT(DISTINCT presc_last_nm || presc_first_nm || presc_mid_nm)

FROM sales_data_table

WHERE bckt1 > 0 OR bckt2 > 0 OR bckt3 > 0 OR ... OR bckt104 > 0;

SQL Output:

Error executing SQL: near ".": syntax error

Feedback: Failure

Comments: The query logic seems correeect but not able to run query due to syntax error

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LLM: Gemini 1.5 Flash

Generated SQL:

SELECT COUNT(DISTINCT client_no) FROM sales_data_table WHERE bckt1 + bckt2 + bckt3 + bckt4 + bckt5 + bckt6 + bckt7 + bckt8 + bckt9 + bckt10 + bckt11 + bckt12 + bckt13 + bckt14 + bckt15 + bckt16 + bckt17 + bckt18 + bckt19 + bckt20 + bckt21 + bckt22 + bckt23 + bckt24 + bckt25 + bckt26 + bckt27 + bckt28 + bckt29 + bckt30 + bckt31 + bckt32 + bckt33 + bckt34 + bckt35 + bckt36 + bckt37 + bckt38 + bckt39 + bckt40 + bckt41 + bckt42 + bckt43 + bckt44 + bckt45 + bckt46 + bckt47 + bckt48 + bckt49 + bckt50

SQL Output:

COUNT(DISTINCT client_no)
1

Feedback: Failure

Comments: Wrong query

LLM: GPT-4o

Generated SQL:

SELECT COUNT(DISTINCT ims_presc_no) FROM sales_data_table WHERE bckt_count > 0;

SQL Output:

| COUNT(DISTINCT ims_presc_no) |

|-----------------------------:|

| 4094 |

Feedback: Failure

Comments: bckt_count column was used for calculation and not the actual sales column

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LLM: O1-mini

Generated SQL:

Error from OpenRouter API: 400 {"error":{"message":"Provider returned error","code":400,"metadata":{"raw":"{\n   \"error\": {\n   \"message\": \"Unsupported value: 'messages[0].role' does not support 'system' with this model.\",\n   \"type\": \"invalid_request_error\",\n   \"param\": \"messages[0].role\",\n   \"code\": \"unsupported_value\"\n }\n}","provider_name":"OpenAI"}},"user_id":"user_30Fktwe9QHrgxCiXRf4hs9Z2Mxk"}

SQL Output:

Error executing SQL: near "Error": syntax error

Feedback: Error

Comments: Error from open router API. Here are the error details - Error from OpenRouter API: 400 {"error":{"message":"Provider returned error","code":400,"metadata":{"raw":"{\n   \"error\": {\n   \"message\": \"Unsupported value: 'messages[0].role' does not support 'system' with this model.\",\n   \"type\": \"invalid_request_error\",\n   \"param\": \"messages[0].role\",\n   \"code\": \"unsupported_value\"\n \"unsupported_value\"\n }\n}","provider_name":"OpenAI"}},"user_id":"user_30Fktwe9QHrgxCiXRf4hs9Z2Mxk"}

LLM: O4-mini

Generated SQL:

SQL Output:

None

Feedback: Failure

Comments: No SQL was generated

LLM: Qwen 3 (reasoning)

Generated SQL:

Error from OpenRouter API: 404 {"error":{"message":"No endpoints found for qwen/qwen-110b-chat.","code":404},"user_id":"user_30Fktwe9QHrgxCiXRf4hs9Z2Mxk"}

SQL Output:

Error executing SQL: near "Error": syntax error

Feedback: Error

Comments: Error listed as Error from OpenRouter API: 404 {"error":{"message":"No endpoints found for qwen/qwen-110b-chat.","code":404},"user_id":"user_30Fktwe9QHrgxCiXRf4hs9Z2Mxk"}