

Reflections

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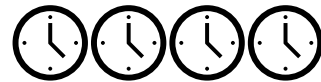
Task 1

Experience?

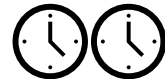


Time Consuming?

Manual:



ChatGPT:



Quality?

Manual:

Quite good!

ChatGPT:

Better but slow

Helpful?

Yes! New SQL stuff we did not know about

Prompt Count?

Too many! => **Completely new chat!**

Degree of automation?

Trial and Error => Semi-automatic

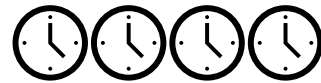
Task 2

Experience?



Time Consuming?

Manual:



ChatGPT:



Quality?

Manual:

Very good!

ChatGPT:

Just a lot slower

Helpful?

Yes! Generate minimal examples (to explain Task 1)

Prompt Count?

Many => ChatGPT could not do the rewrite of our solution

Holistic integration?

Task 2

Experience?



Time Consumin

Manual:

ChatGP

Quality?

Manual:

ChatGP

Helpful?

Yes! Ge

Prompt Count?

Many =>

Holistic integration?

Only small tasks, minimal examples, rewrites, ...

Days before OpenAI



Days after OpenAI



Task 3

Execution plan by LLM plausible?

ChatGPT:



Explanation by the LLM?

ChatGPT: **Explanation about query**, not really about query plan

Automation of query execution in PostgreSQL?

Postgres:

Query development



Query execution



Query execution plans



Query execution plan visualization



Differences between query development (Task1 & 2) and Query Execution plan

Query development: Just schema needed

Query execution plans: More statistics about data needed