

## SQL Lab 1: SQLite Summarization

Objectives:

- Store support tickets in SQLite
- Query with SQL and summarize using an LLM
- Save summaries back into the database

Setup:

- Set OPENAI\_API\_KEY in a .env file
- Install deps: openai, python-dotenv

Steps:

- 1) Create tickets table and insert sample rows
- 2) SELECT tickets missing summaries
- 3) Summarize each transcript with OpenAI
- 4) UPDATE tickets with summary text
- 5) SELECT ticket\_id, category, summary

Key SQL:

- CREATE TABLE, INSERT, SELECT, UPDATE