EZ Street Deliveries Dashboard – Project Explanation

This is a delivery performance dashboard created specifically for EZ Street Deliveries using real-world tools that delivery and logistics companies use to monitor and improve operations.

# 🔧 Tools Used

- Python: for data cleaning and preprocessing  
- SQLite: to store the cleaned delivery data  
- Power BI: for interactive dashboards and visual analytics

# 🧠 How It Works

## Step 1: Raw Delivery Data

The system starts with a simple CSV file that includes delivery records like:  
OrderID, Pickup, Drop, Driver, Time\_taken\_min, Cost, Status

## Step 2: Data Cleaning

Python scripts clean the data, remove errors, ensure formatting, and prepare it for analysis.

## Step 3: Load to Database

The cleaned data is saved into an SQLite database for reliable storage and future access.

## Step 4: Dashboard in Power BI

The Power BI dashboard reads from the database and shows:  
- Total number of orders  
- Average delivery time  
- Delivery count by driver  
- Status of deliveries (Delivered / Cancelled)  
- Total cost of deliveries  
- Filters to view by driver or status

# 📈 Why It’s Useful

- See which drivers are most active or efficient  
- Track cancelled or delayed deliveries  
- Understand delivery costs and performance  
- Save time creating reports manually

# 💬 What to Do Next

You can share your real delivery CSV file, and I can plug it into the system and send back a fully customized dashboard for your company.

# 🖥️ Optional: Web Version

I can also give you a web version of this dashboard using Streamlit where you can upload files from your browser and instantly see all visuals.

# ✅ Final Output

This is a real-world business dashboard that helps make better delivery decisions. It can be shared with team members, used in meetings, or tracked over time.