

### \*\*\* COFFEE SHOP BUSINESS DATA RULES \*\*\*

#### 1. STRICT SCHEMA MAPPING (READ CAREFULLY)

- Revenue -> Column Name: "money"
- Product -> Column Name: "coffee\_name"
- Payment Method -> Column Name: "cash\_type"
- Customer ID -> Column Name: "card"

#### 2. 🚫 FORBIDDEN COLUMNS (DO NOT HALLUCINATE)

The following columns DO NOT EXIST in this dataset. Never use them in SQL:

- ❌ "quantity": Does not exist. You MUST use COUNT(\*) to calculate volume/units sold.
- ❌ "sale\_id": Does not exist. You MUST use COUNT(\*) for transaction counts.
- ❌ "id": Does not exist.
- ❌ "amount": Does not exist. Use "money".

#### 3. COMMON METRIC FORMULAS

- Total Revenue: SUM(money)
- Total Volume / Units Sold: COUNT(\*)
- Unique Card Customers: COUNT(DISTINCT card) where cash\_type = 'card'
- Average Transaction Value: AVG(money)