

# Entity Relationship Diagram (ERD) for Sales Analysis with User and Weather Data

Here's an Entity-Relationship Diagram (ERD) for the sales analysis database schema described previously:

## Entities:

- **Customers:** Represents customer information.
- **Sales:** Represents individual sales transactions.

## Relationships:

- **One-to-Many (Customers - Sales):** A customer can have many sales, but a sale belongs to only one customer. This is enforced by a foreign key relationship between the `customer_id` in the `Sales` table and the primary key (`id`) in the `Customers` table.

## Attributes:

- **Customers:**
  - customer id (integer, primary key)
  - name (string)
  - username (string)
  - email (string, unique)
  - latitude (float)
  - longitude (float)
- **Sales:**
  - order\_id (integer, primary key)
  - customer\_id (integer, foreign key references Customers id)
  - order\_amount (float)
  - quantity (integer)
  - order\_date (date)
  - price (float)
  - temperature (float)
  - weather\_condition (string)

## Visual Representation:

