



Auto-Arrange Tables

inventory_forecasting_staging

raw_date	VARCHAR(20)
store_id	VARCHAR(10)
product_id	VARCHAR(10)
category	VARCHAR(50)
region	VARCHAR(20)
inventory_level	INT
units_sold	INT
units_ordered	INT
demand_forecast	DECIMAL(8,2)
price	DECIMAL(8,2)
discount	DECIMAL(8,2)
weather_condition	VARCHAR(20)
holiday_promotion	BOOLEAN
competitor_pricing	DECIMAL(8,2)
seasonality	VARCHAR(20)
date	DATE

fact_inventory

fact_id	INT PK
date_key	DATE FK
store_id	VARCHAR(10) FK
product_id	VARCHAR(10) FK
weather_id	INT FK
inventory_level	INT
units_sold	INT
units_ordered	INT
demand_forecast	DECIMAL(10,2)
price	DECIMAL(10,2)
discount	DECIMAL(5,2)
holiday_or_promo	BOOLEAN
competitor_price	DECIMAL(10,2)
seasonality	VARCHAR(20)

dim_store

store_id	VARCHAR(10) PK
region	VARCHAR(20)

dim_product

product_id	VARCHAR(10) PK
category	VARCHAR(50)

dim_weather

weather_id	INT PK
weather_condition	VARCHAR(20)

dim_date

date_key	DATE PK
seasonality	VARCHAR(20)
holiday_promotion	BOOLEAN

Table Types

- Staging Table
- Dimension Table
- Fact Table
- Primary Key (PK)
- Foreign Key (FK)

Tip: Drag tables to rearrange them!

Relationship Connections:

- fact_inventory.date_key → dim_date.date_key
- fact_inventory.store_id → dim_store.store_id
- fact_inventory.product_id → dim_product.product_id
- fact_inventory.weather_id → dim_weather.weather_id

The staging table feeds data into the dimension and fact tables through ETL processes defined in your SQL scripts.