**📁 gold.fact\_sales**

**Overview:**

The fact\_sales view represents transactional sales records. It links each sale to a product and customer, and includes dates and monetary details.

**Purpose:**

To serve as a central fact table for analytics involving sales transactions, such as revenue, quantity sold, and time-based analysis.

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| order\_number | String | Unique identifier for the sales order. |
| product\_key | Integer | Surrogate key for the associated product from dim\_products. |
| customer\_key | Integer | Surrogate key for the associated customer from dim\_customers. |
| order\_date | Date | The date the order was placed. |
| shipping\_date | Date | The date the order was shipped. |
| due\_date | Date | The date by which the order was due. |
| sales\_amount | Decimal | Total sales amount for the transaction. |
| quantity | Integer | Number of units sold. |
| price | Decimal | Price per unit of product. |

**📁 gold.dim\_products**

**Overview:**

The dim\_products view is a dimension table that contains metadata about products, their categories, and lifecycle details.

**Purpose:**

To provide descriptive attributes for products, useful for slicing and dicing sales data (e.g., by category, product line, or cost).

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| product\_key | Integer | Surrogate key for the product (auto-incremented). |
| product\_id | String | Unique identifier of the product. |
| product\_number | String | Alternate product reference number (from source). |
| product\_name | String | Name of the product. |
| category\_id | String | Identifier for the product’s category. |
| category | String | Name of the category the product belongs to. |
| subcategory | String | More specific classification under the category. |
| maintenance | String | Maintenance information related to the category. |
| cost | Decimal | Cost price of the product. |
| product\_line | String | Product line or group to which the product belongs. |
| start\_date | Date | Start date of the product's availability. |

**📁 gold.dim\_customers**

**Overview:**

The dim\_customers view is a customer dimension table containing customer profile details, including personal and location data.

**Purpose:**

To enrich sales transactions with customer information, enabling demographic and geographic analysis.

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| customer\_key | Integer | Surrogate key for the customer (auto-incremented). |
| customer\_id | String | Original identifier for the customer. |
| customer\_number | String | Alternate customer reference number (from source). |
| firstname | String | Customer’s first name. |
| lastname | String | Customer’s last name. |
| country | String | Country of the customer. |
| marital\_status | String | Marital status of the customer. |
| gender | String | Gender of the customer. Uses fallback logic from two sources. |
| birthdate | Date | Date of birth of the customer. |
| create\_date | Date | The date the customer was registered or created in the system. |