**Models**

**Dim\_date.sql**

select

datekey::int as datekey,

date,

year,

month,

quarter,

day,

dayofweek,

weekofyear,

dayofyear,

quartername,

monthname,

dayname,

weekday

from {{ source('conformed','DateDimension')}}

**Dim\_date.yml**

version: 2

models:

- name: dim\_date

description: Conformed Date Dimension. One row per day of the year.

columns:

- name: datekey

data\_type: int

description: The surrogate key of the date YYYYMMDD

tests:

- not\_null

- unique

- name: date

description: The date of the date key

tests:

- not\_null

- unique

**Dim\_customer.sql**

with stg\_customers as (

select \* from {{ source('fudgemart\_v3','fm\_customers')}}

)

select {{ dbt\_utils.generate\_surrogate\_key(['stg\_customers.customer\_id']) }} as customerkey,

stg\_customers.\*

from stg\_customers

**Dim\_customers.yml**

version: 2

models:

- name: dim\_customer

description: "View to select customer information"

materialized: view

columns:

- name: customer\_id

description: "Customer ID"

tests:

- unique

- name: customer\_email

description: "Customer Email"

- name: customer\_firstname

description: "Customer First Name"

- name: customer\_lastname

description: "Customer Last Name"

- name: customer\_address

description: "Customer Address"

- name: customer\_city

description: "Customer City"

- name: customer\_state

description: "Customer State"

- name: customer\_zip

description: "Customer Zip"

- name: customer\_phone

description: "Customer Phone"

- name: customer\_fax

description: "Customer Fax"

**Dim\_vendors.sql**

with stg\_vendors as (

select \* from {{ source('fudgemart\_v3','fm\_vendors')}}

)

select {{ dbt\_utils.generate\_surrogate\_key(['stg\_vendors.vendor\_id']) }} as vendorkey,

stg\_vendors.\*

from stg\_vendors

**Dim\_vendors.yml**

version: 2

models:

- name: dim\_vendor

description: "Table for storing vendor information"

materialized: table

columns:

- name: vendor\_id

description: "Vendor ID"

tests:

- unique

- name: vendor\_name

description: "Vendor Name"

- name: vendor\_phone

description: "Vendor Phone"

- name: vendor\_website

description: "Vendor Website"

**Dim\_products.sql**

with stg\_products as (

select \* from {{ source('fudgemart\_v3','fm\_products')}}

)

select {{ dbt\_utils.generate\_surrogate\_key(['stg\_products.product\_id']) }} as productkey,

stg\_products.\*

from stg\_products

**Dim\_products.yml**

version: 2

models:

- name: dim\_product

description: "Table for storing product information"

materialized: table

columns:

- name: product\_id

description: "Product ID"

tests:

- unique

- name: product\_department

description: "Product Department"

- name: product\_name

description: "Product Name"

- name: product\_retail\_price

description: "Product Retail Price"

- name: product\_wholesale\_price

description: "Product Wholesale Price"

- name: product\_is\_active

description: "Product Is Active"

- name: product\_add\_date

description: "Product Add Date"

- name: product\_vendor\_id

description: "Product Vendor ID"

- name: product\_description

description: "Product Description"

**Fact\_sales.sql**

with stg\_orders as

(

select

Order\_ID,

{{ dbt\_utils.generate\_surrogate\_key(['customer\_id']) }} as customerkey,

replace(to\_date(order\_date)::varchar,'-','')::int as orderdatekey,

from {{source('fudgemart\_v3','fm\_orders')}}

),

stg\_order\_details as

(

select

Order\_ID,

Product\_id,

{{ dbt\_utils.generate\_surrogate\_key(['product\_id']) }} as productkey,

order\_qty as Quantity

from {{source('fudgemart\_v3','fm\_order\_details')}}

),

stg\_products as

(

select

Product\_id,

Product\_Retail\_Price as UnitPrice

from {{source('fudgemart\_v3','fm\_products')}}

)

select o.\*,

od.productkey, od.Quantity,

(od.Quantity\*p.UnitPrice) as extendedpriceamount

from stg\_orders o

join stg\_order\_details od on o.Order\_ID = od.Order\_id

join stg\_products p on od.Product\_id = p.Product\_id

**Fact\_sales.yml**

version: 2

models:

- name: fact\_sales

description: "Transaction. One row per product item ordered"

columns:

- name: order\_id

description: "source key used for drill through"

- name: customerkey

description: "Dimension FK from customer"

- name: orderdatekey

description: "Dimension FK from dim\_date"

- name: productkey

description: "Dimension FK from dim\_product"

- name: quantitykey

description: "Total number of products sold"

- name: unit\_price

description: "Product price for a unit"

- name: extended\_price\_amount

description: "total amount based on quantity and unit price"

**Sources.yml**

version: 2

sources:

- name: conformed

database: raw

schema: conformed

tables:

- name: DateDimension

columns:

- name: DateKey

tests:

- unique

- name: fudgemart\_v3

database: raw

schema: fudgemart\_v3

tables:

- name: fm\_customers

columns:

- name: CUSTOMER\_ID

tests:

- unique

- name: fm\_products

columns:

- name: PRODUCT\_ID

tests:

- unique

- name: fm\_vendors

columns:

- name: VENDOR\_ID

tests:

- unique

- name: fm\_orders

columns:

- name: ORDER\_ID

tests:

- unique

- name: fm\_order\_details

tests:

- dbt\_utils.unique\_combination\_of\_columns:

combination\_of\_columns:

- ORDER\_ID

- PRODUCT\_ID

- ORDER\_QTY