

# Bee Cycle Project

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DATA DICTIONARY

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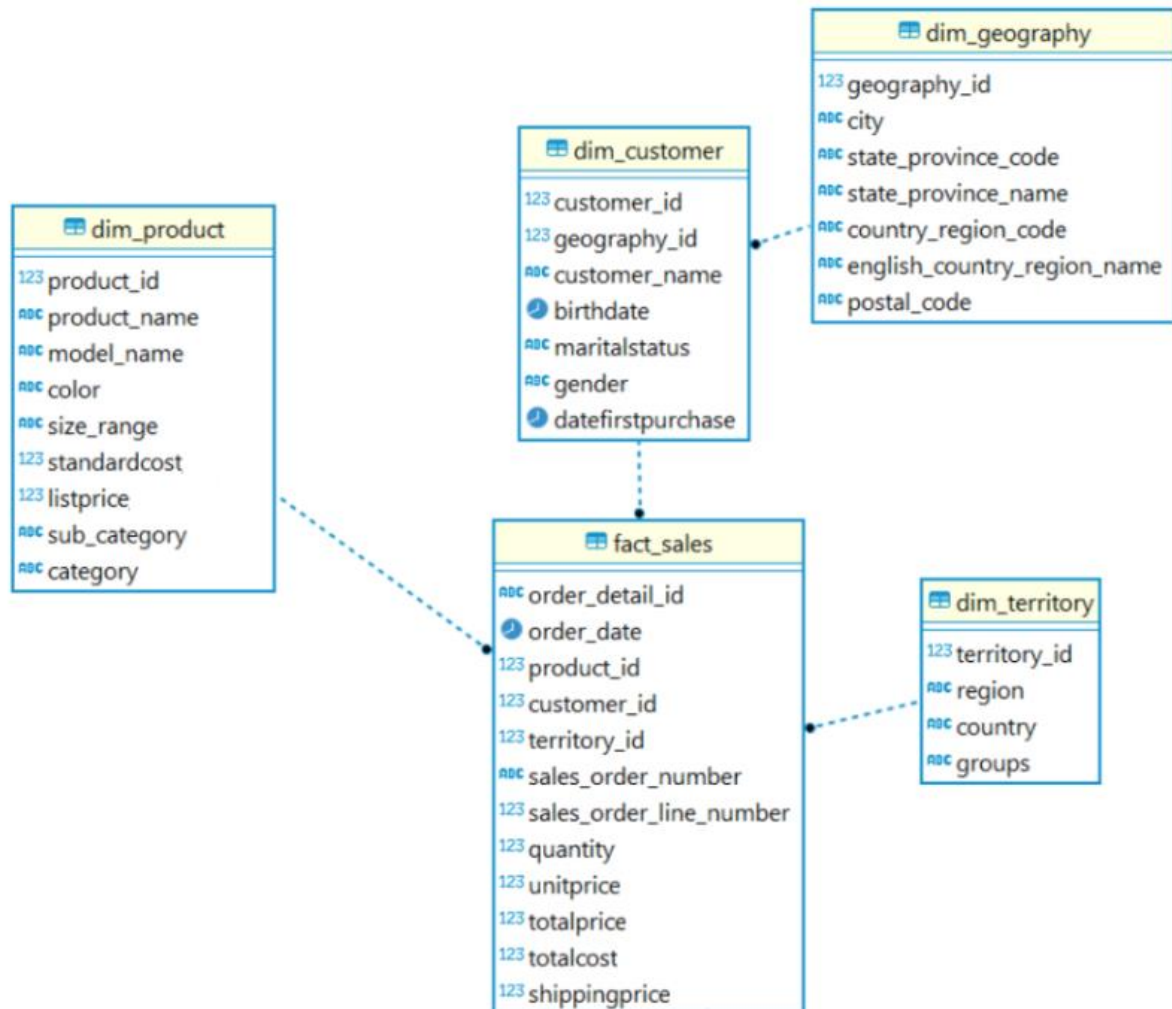
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# 1. Entity Relationship Diagram

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## 2. Fact Tables

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### 2.1 Sales Table

Sales		
Column	Data Type	Description
order_detail_id	String	Unique identifier for order (made up of sales_order_number and sales_order_line_number)
order_date	Date	Date of order
product_id	Integer	Unique identifier for product
customer_id	Integer	Unique identifier for customer
territory_id	Integer	Unique identifier for store location
sales_order_number	String	Order number
sales_order_line_number	Integer	Order line
quantity	Integer	Quantity purchased
unitprice	Float	Total price of unit in GBP
totalprice	Float	Total price of order in GBP
totalcost	Float	Total cost of order in GBP
shippingprice	Float	Total shipping price of order in GBP

Links to	
Table	Join
Product	product_id = product_id
Customer	customer_id = customer_id
Territory	territory_id = territory_id

Keys	
Column	Key Type
order_detail_id	Primary Key
product_id	Foreign Key
customer_id	Foreign Key
territory_id	Foreign Key

## 3. Dimension Tables

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### 3.1 Customer Table

Customer		
Column	Data Type	Description
customer_id	Integer	Unique identifier for customer
geography_id	Integer	Unique identifier for customer location
customer_name	String	Customer name
birthdate	Date	Customer date of birth
maritalstatus	String	Customer marital status
gender	String	Customer gender
datefirstpurchase	Date	Date customer made first purchase

Links to	
Table	Join
Sales	customer_id = customer_id
Geography	geography_id = geography_id

Keys	
Column	Key Type
customer_id	Primary Key
geography_id	Foreign Key

### 3.2 Geography Table

Geography		
Column	Data Type	Description
geography_id	Integer	Unique identifier for customer location
city	String	City
state_province_code	String	State/province code
state_province_name	String	State/province name
country_region_code	String	Country code
english_country_region_name	String	Country name
postal_code	String	Post code

Links to	
Table	Join
Customer	geography_id = geography_id

Keys	
Column	Key Type
geography_id	Primary Key

### 3.3 Product Table

Product		
Column	Data Type	Description
product_id	Integer	Unique identifier for product
product_name	String	Product name (made up of model_name, color, and size_range)
model_name	String	Model name
color	String	Product colour
size_range	String	Product size range
cost	Float	Product cost in GBP
normal_price	Float	Product price in GBP
sub_category	String	Product subcategory
category	String	Product category

Links to	
Table	Join
Sales	product_id = product_id

Keys	
Column	Key Type
product_id	Primary Key

### 3.4 Territory Table

Territory		
Column	Data Type	Description
territory_id	Integer	Unique identifier for store location
region	String	Country name or if country is United States, then region name
country	String	Country
groups	String	Continental region

Links to	
Table	Join
Sales	territory_id = territory_id

Keys	
Column	Key Type
territory_id	Primary Key