# ASSIGNMENT 4

SUPERSTORES

**Task 1**: Understanding the data in hand

A*. Description of the Data*

**I**. cust\_dimen: Details of all the customers

-Customer\_Name (TEXT): Name of the customer

-Province (TEXT): Province of the customer

-Region (TEXT): Region of the customer

-Customer\_Segment (TEXT): Segment of the customer

-Cust\_id (TEXT): Unique Customer ID

**II**. market\_fact: Details of every order item sold

-Ord\_id (TEXT): Order ID

-Prod\_id (TEXT): Prod ID

-Ship\_id (TEXT): Shipment ID

-Cust\_id (TEXT): Customer ID

-Sales (DOUBLE): Sales from the Item sold

-Discount (DOUBLE): Discount on the Item sold

-Order\_Quantity (INT): Order Quantity of the Item sold

-Profit (DOUBLE): Profit from the Item sold

-Shipping\_Cost (DOUBLE): Shipping Cost of the Item sold

-Product\_Base\_Margin (DOUBLE): Product Base Margin on the Item sold

**III**. orders\_dimen: Details of every order placed

-Order\_ID (INT): Order ID

-Order\_Date (TEXT): Order Date

-Order\_Priority (TEXT): Priority of the Order

-Ord\_id (TEXT): Unique Order ID

**IV**. prod\_dimen: Details of product category and sub category

-Product\_Category (TEXT): Product Category

-Product\_Sub\_Category (TEXT): Product Sub Category

-Prod\_id (TEXT): Unique Product ID

**V**. shipping\_dimen: Details of shipping of orders

-Order\_ID (INT): Order ID

-Ship\_Mode (TEXT): Shipping Mode

-Ship\_Date (TEXT): Shipping Date

-Ship\_id (TEXT): Unique Shipment ID

B*. The List of Primary Keys and Foreign Keys for this dataset*

**I**. cust\_dimen

->Primary Key: Cust\_id

->Foreign Key: NA

**II**. market\_fact

->Primary Key: NA

->Foreign Key: Ord\_id, Prod\_id, Ship\_id, Cust\_id

**III**. orders\_dimen

->Primary Key: Ord\_id

->Foreign Key: NA

**IV**. prod\_dimen

->Primary Key: Prod\_id, Product\_Sub\_Category

->Foreign Key: NA

**V**. shipping\_dimen

->Primary Key: Ship\_id

-> Foreign Key: NA

**Task 2**: Basic Analysis

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