

## **Task 2- visuals the dataset**

### **Step 1: Understand the Data**

Here are how some of your columns can be grouped:

#### **1. Order Info**

- Order ID
- Date
- Status
- Fulfilment
- Sales Channel
- ship-service-level

#### **2. Product Info**

- Style
- SKU
- Category
- Size
- ASIN

#### **3. Shipping Info**

- Courier Status
- ship-city
- ship-state
- ship-postal-code
- ship-country

#### **4. Financial Info**

- Qty
- currency
- Amount
- promotion-ids
- B2B (Yes/No – indicates if it's a business order)

## Step 2: Load Data into Power BI

1. Open **Power BI Desktop**
2. Click "**Get Data**" → Choose **Excel/CSV** → Select your file
3. Preview → Load

## Step 3: Clean and Prepare Data

1. Open **Power Query Editor**
2. Check for:
  - Null values (remove or replace)
  - Date format in Date column
  - Correct data types (e.g., Qty & Amount as numbers, Date as date)
3. Remove duplicates if needed
4. Click **Close & Apply**

## Step 4: Create Relationships (if using multiple tables)

Since you're working from a single table (as per your column list), this might not be required unless you're using lookups or dimension tables.

## Step 5: Create Measures (Optional but useful)

- **Total Orders:**  
Total Orders = `DISTINCTCOUNT('Table'[Order ID])`
- **Total Sales:**  
Total Sales = `SUM('Table'[Amount])`
- **Total Quantity Sold:**  
Total Quantity = `SUM('Table'[Qty])`
- **Orders B2B vs B2C:**  
Use a **column** or **measure** with filter:  
B2B Orders = `CALCULATE(COUNTROWS('Table'), 'Table'[B2B] = "Yes")`

## Step 6: Design the Dashboard

Here are the **visuals** you can create:

### ◆ KPI Cards:

- Total Orders

- Total Sales
- Total Quantity
- B2B Orders

#### ◆ Charts:

- **Bar Chart:** Sales by Category or Style
- **Line Chart:** Orders over time (Date)
- **Stacked Column Chart:** Quantity by Sales Channel or Fulfilment
- **Pie Chart:** Courier Status distribution
- **Map:** Sales by ship-state or ship-country

#### ◆ Filters/Slicers:

- Date
- Status
- Sales Channel
- Category
- ship-country
- B2B

