**POWER BI – DATA MODELLING**

Step-by-Step Process of Data Modelling Using Power BI

1. Import Excel File:
   * Open Power BI Desktop.
   * Navigate to Home > Get Data > Excel Workbook.
   * Select your Excel file and click Load to import the data into Power BI.
2. Create a Stacked Column Chart:
   * In the Visualizations pane, select the Stacked Column Chart icon.
   * Drag and drop the desired data fields into the Values, X-axis, and Legend sections:
     + X-Axis: Example: Sum Total of revenue from Sales Data
     + Y-Axis: Example: Channel
     + Legend: Example: Currency code
3. Duplicate the Chart using shortcut keys
4. Review Data Relationships:
   * Go to the Model view (icon on the left sidebar).
   * Examine the relationships automatically created between the tables in your imported dataset.
   * Identify if any existing relationships might need adjustments to better represent your data.
5. Modify Relationships:
   * Select the undesired relationship and click Delete.
   * Create a new relationship:
     + Drag a field from one table to a corresponding field in another table
6. Update the Chart:
   * Return to your duplicated chart.
   * Adjust the fields in Values, X-axis, and Legend to reflect the new relationship and improved outcomes.
     + Example: Replace Channel with Index from Product Data