

Data Collection and Preprocessing Phase

Date	8 July 2025
Team ID	SWUID20250183879
Project Title	Power BI Inflation Analysis
Maximum Marks	10 Marks

Data Exploration and Preprocessing Template

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

Section	Description
Data Overview	The Inflation dataset provides a comprehensive view of annual inflation trends across various countries from the year 1980 to 2024. Each row in the dataset represents a unique combination of a country and an inflation-related indicator,
Data Cleaning	Remove Irrelevant Rows, Handle Missing Values, rename column, Remove Duplicate, Promote Headers, Unpivot Year Columns
Data Transformation	Use of Power Query for filter, sort, Unpivot Columns, add column and DAX measure
Data Type Conversion	Rectifying Datatype like year column is in text convert into whole number
Column Splitting and Merging	merge columns
Data Modeling	Define relationships
Save Processed Data	Save the cleaned data