

Data Collection and Preprocessing Phase

Date	8 July 2025
Team ID	SWUID20250183879
Project Title	Power BI Inflation Analysis
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

Data Collection Plan Template

Section	Description
Project Overview	<p>This project, aims to analyse global inflation trends using interactive visualizations and data-driven insights</p> <p>The main objective is to develop a comprehensive Power BI dashboard that presents historical and current inflation data across multiple countries, enabling decision-makers to:</p> <ul style="list-style-type: none"> • Understand country-specific inflation patterns • Forecast future inflation trends • Identify economic risks and opportunities • Support strategic pricing and financial planning
Data Collection Plan	<p>For this project, the inflation data has been sourced from Kaggle, a well-known platform for open datasets used in data science and analytics projects.</p>

Raw Data Sources Identified	Kaggle – Global Inflation Dataset <ul style="list-style-type: none"> Description: Contains annual inflation rate data for multiple countries from 1980 onward. Fields: Country Name, Indicator Name, and yearly inflation percentages.
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Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1	The dataset sourced from Kaggle provides historical inflation rate data for countries across the globe. It is structured in a wide format , where each row represents a unique country and each column (from 1980 onward) represents the inflation rate for a specific year.	https://www.kaggle.com/datasets/saizidthe1/global-inflation-data	CSV	44.6 KB	Public

Dataset 2	<p>This dataset provides the unemployment rates (%) across various countries from 2014 to 2024, segmented by gender, age group, and indicator type. It is structured to analyze labor market trends over time and compare employment disparities across demographics and regions.</p>	https://www.kaggle.com/datasets/saizidthe1/global-unemployment-data	Excel	147 KB	PUBLIC
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