Data Collection and Preprocessing Phase

Date	15 March 2024
Team ID	**SWUID20250172189**
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	This project, aims to analyse global inflation trends using interactive visualizations and data-driven insights 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: • Understand country-specific inflation patterns • Forecast future inflation trends • Identify economic risks and opportunities • Support strategic pricing and financial planning
Data Collection Plan	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.

Raw Data Sources Identified	**Kaggle – Global Inflation Dataset** • **Description:** Contains annual inflation rate data for multiple countries from 1980 onward. • **Fields:** Country Name, Indicator Name, and yearly inflation percentages.

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/sazidthe1/global-inflation-data	CSV	44.6 KB	Public

Dataset 2	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.	https://www.kaggle.com/datasets/sazidthe1/global-unemployment-data	Excel	147 KB	PUBLIC
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