Data Collection and Preprocessing Phase

Date	2 October 2025
Skillwallet	SWUID20250200484
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
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	My project's goal is to build a standardized, interactive Power BI dashboard that helps multinational corporations **stop guessing** and start **proactively managing risks** and optimizing prices based on real global inflation trends.
Data Collection Plan	Data was **hand-collected and compiled by me** directly from the world's most **authoritative, institutional bodies (IMF & World Bank)**. This manual effort was crucial to ensure the highest reliability and to directly address the initial challenge of **data fragmentation** and **lack of standardization**.
Raw Data Sources Identified	I primarily used two core datasets: **Global Inflation Rates** (CPI) and a crucial **Geographic Hierarchy Mapping** file to link everything together for regional analysis.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Dataset 1: Global Inflation Data	Annual **Consumer Price Index (CPI)** inflation rates across 100+ countries over 20+ years. This is my **primary Fact Table** for all calculations	**World Bank** (https://data.worldbank.org) & **IMF** (https://www.imf.org/en/Data)	CSV (Self-compiled/ Standardized)	XX GB	Approx. 1 MB
Dataset 2: Geographic Mapping Data	Mapping file linking specific country names to their corresponding **Continents/Regions**. This is my **Dimension Table** for cross-regional dependency analysis..	**GitHub** (Sourced from reliable repository)	Excel (.xlsx)	YY GB	Very Smal