Data Collection and Preprocessing Phase

Date	20 June 2025
Skillwallet ID	SWUID20250170824
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Template

Data Collection Plan Template

Section	Description
Project Overview	The project aims to analyse global inflation patterns across countries and regions from 1980 to 2024 using Power BI. The goal is to build an interactive dashboard with dynamic KPIs, regional insights, and category-based inflation segmentation.
Data Collection Plan	Data was collected by independently sourcing structured CSV files from Kaggle. This includes inflation data across 40+ years and a corresponding country-to-region mapping file. These datasets were curated, cleaned, and modeled using Power Query and DAX inside Power BI.
Raw Data Sources Identified	Two raw datasets were identified: (1) historical inflation data per country by year, and (2) a region mapping file that assigns countries to continents for better aggregation in Power BI visualizations.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
global_inflation_data.csv	Contains inflation rates by country and year from 1980 to 2024. Used as the primary dataset for analysis.	https://www.kaggle.com/datasets/sazidthe1/global-inflation-data	CSV	44.6 KB	Public (Kaggle)

continents.csv	Country-to-continent mapping reference for regional analysis in Power BI visuals.	https://www.kaggle.com/datasets/andra daolteanu/country-mapping-iso-continent-region	CSV	19.2 KB	Public (Kaggle)
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