

## Data Collection and Preprocessing Phase

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Project Title	Power BI Inflation Analysis

### 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"><li>• Understand country-specific inflation patterns</li><li>• Forecast future inflation trends</li><li>• Identify economic risks and opportunities</li><li>• Support strategic pricing and financial planning</li></ul>
Data Collection Plan	<p>For this project, the inflation data has been sourced from <b>Kaggle</b>, a well-known platform for open datasets used in data science and analytics projects.</p>

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

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

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