

Project Initialization and Planning Phase

Date	20 June 2025
Skillwallet ID	SWUID20250170824
Project Title	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

Project Overview	
Objective	To design an interactive, executive-ready Power BI dashboard that visualizes global inflation trends across countries and regions from 1980 to 2024, enabling data-driven decisions and insights.
Scope	The project covers data collection, transformation, analysis, and visualization of global inflation data. It includes DAX-based KPIs, regional comparisons, category segmentation, and an insight narrative, all presented through a clean, two-page Power BI dashboard.
Problem Statement	
Description	Inflation data is often raw, fragmented, and hard to interpret, especially across global time periods and geographic regions. Analysts and decision-makers lack a centralized, visualized tool to explore inflation dynamics effectively.
Impact	A dashboard that brings together cleaned, categorized, and interactive inflation metrics empowers students, economists, and analysts to understand patterns, derive insights, and make more informed decisions across sectors.
Proposed Solution	
Approach	Use Power BI to connect, model, and visualize global inflation data. Preprocess data in Power Query, design DAX measures to calculate KPIs (avg, max,

	delta), apply category thresholds, and build visual dashboards with slicers, maps, and smart narratives.
Key Features	<ul style="list-style-type: none"> • Dynamic KPI cards (Avg/Max/Δ Inflation Rate) • Filterable country-wise and region-level visuals • Inflation category segmentation (High/Moderate/Low) • Page 2 insights with narrative text, donut charts, and maps • Professional formatting for resume/portfolio readiness

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	Local machine for Power BI Desktop	4-core CPU, integrated GPU
Memory	RAM	8 GB
Storage	Disk space	5–10 GB (datasets, PBIX, visuals)
Software		
Frameworks	Visualization Platform	Power BI Desktop
Libraries	Data prep, DAX, PQ functions	Built-in DAX & Power Query
Development Environment	Report Design + GitHub Documentation	Power BI + VS Code / Git for README
Data		
Data	Sourced from Kaggle: <ul style="list-style-type: none"> • <code>global_inflation_data.csv</code> (1980–2024 inflation by country) • <code>continents.csv</code> (region mapping) 	CSV format, ~63.8 KB total size