## Power BI Inflation Analysis

## Journey Through Global Economic Trends

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Scenario  Analyzing inflation trends using Power Bl dashboards to gain insights into global economic conditions.	How does someone intially become awre of the process?					[What do people experience as they begin the process?			Engage  What happens in the core movements of the process?[Activity]		What do people typically experience as the process finishes?		What happens after the experience is over?	
steps What does the person (or group) typiaclly experience?	Identify the need for inflation analysis	Collect inflation-related data	Prepare & clean data	Create visualizations & reports	Analyze & interpret trends	Identifying the Need for Inflation Analysis	Searching for Reliable Data Sources	Building Initial Visualizations	1. Exploring Inflation Trends with Visualizations	2. Applying Filters & Drill- Down Analysis	Automating Data Refresh & Monitoring		Exploring Advanced Predictive Analytics	Reviewing the Effectiveness of Insights
	1. Understanding economic shifts and business impacts.	Importing datasets from government databases, financial institutions, and market sources.	3. Handling missing values, formatting, and transforming data in Power BI.	Designing interactive dashboards with inflation trends, CPI, PPI, and cost of goods analysis.	5. Using Power BI's DAX functions, time-series analysis, and forecasting.	Collecting & Importing Data	Data Cleaning & Preparation		3. Using DAX for Advanced Calculations	4. Comparing Multiple Economic Indicators		Interpreting & Presenting Insights		
Interactions What interactions do they have at each step along the way?  • People: Data analysts, economists, policymakers,	Data analysts & economists identify the need for better data visualization.	Business leaders & financial advisors discuss financial trends and insights.	Awareness through Power BI training, industry conferences, and online courses.	Government reports highlight data gaps, leading policymakers to explore BI tools.		Financial analysts, economists, policymakers, data scientists, business leaders.	Excel, SQL databa Power BI dashbo APIs, Power Query	ards,	Economists, financial analysts, business intelligence teams, government policymakers.	Power BI service, financial data repositories, economic research platforms.	With Self: Internal dialogues about the experience and future choices.	With Others: Final communications, farewells, or last contributions.	People: Business leaders, economists, data analysts, Power BI experts.	Online learning platforms, Power BI community forums, economic research hubs.
<ul> <li>financial advisors, business leaders.</li> <li>Places: Power BI desktop/app, government economic reports, financial market platforms.</li> </ul>	Financial market platforms showcase real-time analytics, prompting integration with Power Bl.	Financial market platforms showcase real-time analytics, prompting integration with Power BI.  Power BI dashboards featured in case studies, webinars, and competitor analyses.  Excel/CSV data overload signals a need for automated reporting.  Excel/CSV data overload signals a need for automated reporting.				Government economic data portals, Power BI interface, online learning resources.			Power BI dashboards, DAX formulas, API data integrations, interactive reports.		With Environment: Adjusting to the absence of familiar structures.			Updated Power BI dashboards, AI models, economic forecasting tools.
<ul> <li>Things: Power BI dashboards, APIs, Excel/CSV data sources, predictive models, DAX formulas.</li> </ul>														
Goals & motivations  At each step, what is the	Help me track inflation trends effectively.  Help me compare inflation data across countries & time periods.  Help me predict future inflation trends for better decision-making.			Help me understand inflation trends across different economies.  Help me predict future inflation movements for better decision-making.  Help me integrate multiple data sources into Power BI efficiently.			Help me uncover inflation trends across different time frames.  Help me understand how inflation impacts various sectors (housing, energy, food, etc.).  Smooth Transition:  Making the exit as beneficial or painless as possible.		Enhance Power BI skills for deeper inflation analysis.					
user's primary goal or motivation?	Help me predict future inflation trends for bett decision-making.	er					Help me visualize inflation data clearly using interactive dashboards.		Help me compare inflation effects on different countries or regions.	Help me generate insightful, easy-to-read reports for decision-making.	Prepare for W Setting up beginning	or a new		Implement AI for better inflation forecasting.
What steps does a typical person find enjoyable, productive, or insightful?	Gaining real-time  inflation insights through dynamic dashboards.  Using interactive charts & graphs to spot trends easily.  Successfully automating data updates for continuous monitoring.				Successfully importing and cleaning data without major issues.  Seeing inflation trends appear in interactive charts for the first time.  Finding patterns and correlations between economic indicators and inflation rates.  Being able to share insights with stakeholders through Power BI reports.			Successfully creating a fully interactive dashboard that highlights key inflation trends.  Using DAX calculations effectively to generate valuable financial insights.  Making data-driven predictions for future inflation scenarios.		Learning & Growth: Taking valuable lessons forward.  Freedom & New Opportunities: Opening up space for fresh experiences.			Expanding inflation dashboards for better team collaboration.	
Negative moments	Data inconsistencies					Struggling with data inconsistencies and missing values.  Uncertainty about choosing the right visualization types for inflation data.  Difficulty integrating multiple datasets from different sources.  Overwhelmed by Power BI's DAX functions when trying to create advanced calculations.			Difficulty in handling large datasets, leading to slow Power BI performance.  Issues with real-time data integration, requiring frequent manual updates.		Loss & Disconnection: Struggles with leaving people or roles behind.		Challenges in maintaining data	
What steps does a typical person find frustrating or confusing?													accuracy and reliability.	
Areas of opportunity  How might we improve	Enhance data integration with real-time inflation APIs.			dashboard es for faster on analysis.		Provide built-in templates for inflation trend analysis in Power Bl.	Offer Al-powered data cleaning tools to reduce manual effort.	Enhance integration with real-time financial APIs for live inflation tracking.	Improve Power performance optin for handling mas economic data	insights for automated inflation trend detection.	exit ph	Possibilities: The ase often creates pected openings.	temp	elop Al-powered blates for inflation forecasting
each step for better insights?			for better F	uided tutorials Power BI data odeling.				Develop guided tutorials focused on economic data analysis in Power Bl.	Enhance API conn for seamless integ with real-time fine	ectivity gration ancial  Provide guided DAX tutorials focused on inflation analysis.				