**Measuring The Pulse Of Prosperity:**

**An Index Of Economic Freedom Analysis**

**1. Pre-Requisites**

* Understanding of economic concepts (GDP, inflation, unemployment, economic freedom)
* Basic knowledge of databases and SQL
* Familiarity with Tableau Desktop for data visualization
* Tools setup: Database server, Tableau Desktop, dataset files

**2. Prior Knowledge**

* Concepts of Economic Freedom and its components (Monetary Freedom, Financial Freedom, etc.)
* Relationship between economic freedom and GDP, unemployment, inflation
* Basic statistics and correlation analysis

**3. Project Objectives**

* Analyze the economic freedom scores of countries globally
* Correlate economic freedom with GDP (PPP), growth rate, unemployment, inflation
* Create interactive dashboards and stories in Tableau
* Publish insights and integrate dashboards on the web
* Perform performance testing of dashboards with varying data loads

**4. Project Flow**

1. Data Collection
2. Data Understanding and Cleaning
3. Importing Data into Database
4. Connecting Tableau to Database
5. Data Visualization & Analysis
6. Dashboard and Story Creation
7. Publishing and Web Integration
8. Performance Testing

**5. Data Collection**

* Source datasets (economic freedom index, GDP data, inflation, unemployment rates, population data)
* Possible sources: Heritage Foundation, World Bank, IMF, UN databases

**6. Working With Dataset**

* Load datasets into spreadsheet or data processing tools
* Handle missing values and inconsistencies
* Define keys for joining datasets (e.g., country codes)

**7. Understand The Data**

* Summary statistics
* Variable definitions
* Trends and outliers

**8. Import Dataset Into Database And Connect Tableau Desktop To Database Server**

* Choose a database (MySQL, PostgreSQL, SQL Server, etc.)
* Import cleaned datasets into tables
* Connect Tableau Desktop to the database using connectors/drivers

**9. Data Visualization**

* 2022 Economic Freedom Score overview
* Top 40 countries ranking by economic freedom
* Correlation between GDP (PPP) and Monetary Freedom
* Top 40 countries by GDP growth rate
* List of countries in the index

**10. Dashboard**

* Create a dashboard with filters for year, country, economic freedom components
* Visualizations: Bar charts, scatter plots, maps
* Show key metrics and trends interactively

**11. Creating The Dashboard**

* Use Tableau’s drag-and-drop interface
* Add interactivity: filters, actions, tooltips
* Design for clarity and usability

**12. Story**

* Compile a narrative based on data insights
* Create story points in Tableau to guide the viewer through analysis

**13. Creating The Story Board**

* Sequence visualizations to tell a compelling story
* Highlight key insights about economic freedom and prosperity

**14. Publishing And Web Integration**

* Publish dashboards and stories to Tableau Public or Server
* Generate embed codes for web integration
* Ensure dashboards are responsive and performant

**15. Performance Testing**

* Test dashboards with different data volumes
* Optimize queries and visualizations for speed
* Check rendering times and responsiveness

**16. Additional Analyses**

* Bottom ranking countries in the index
* Index score based on:
  + Unemployment rate
  + Financial freedom
  + Population
  + 5-year GDP growth rate (%)
* Inflation rate comparisons across countries

If you want, I can help you develop detailed content for any of these sections, create SQL scripts for database import, help design Tableau visualizations, or draft a storyboard narrative! Just let me know where you want to dive in first.

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