

Project Development

Data Visualizations

Team ID	LTVIP2026TMIDS85861
Project Name	Measuring The Pulse of Prosperity: An Index of Economic Freedom Analysis
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DATA PREPROCESSING STEPS

1. Data Collection

The dataset was collected from publicly available Economic Freedom Index sources.

Data includes:

Overall Economic Freedom Score

Property Rights

Government Integrity

Tax Burden

Trade Freedom

Inflation Rate

GDP

GDP (PPP)

Country and Year (2022)

2. Data Cleaning

The following preprocessing steps were performed:

Removed duplicate country entries.

Checked for missing values in economic indicators.

Replaced null values where applicable or removed incomplete records.

Standardized country names for consistency.

Verified numerical columns were properly formatted (float/integer).

3. Data Transformation

Converted percentage-based columns to numeric format.

Normalized economic indicators where required.

Created calculated field for:

Average Economic Score (if used)

5-Year GDP comparison

Categorized countries into:

Free

Mostly Free

Moderately Free

Mostly Unfree

4. Data Integration

Combined economic freedom data with:

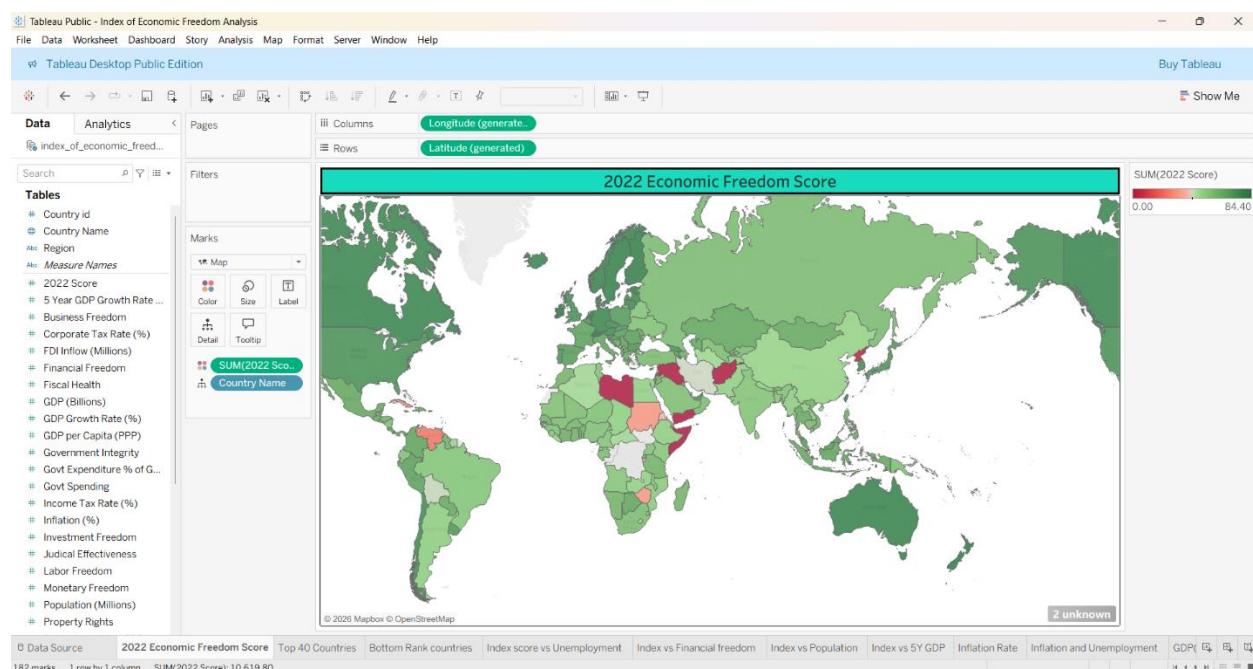
GDP dataset

Inflation dataset

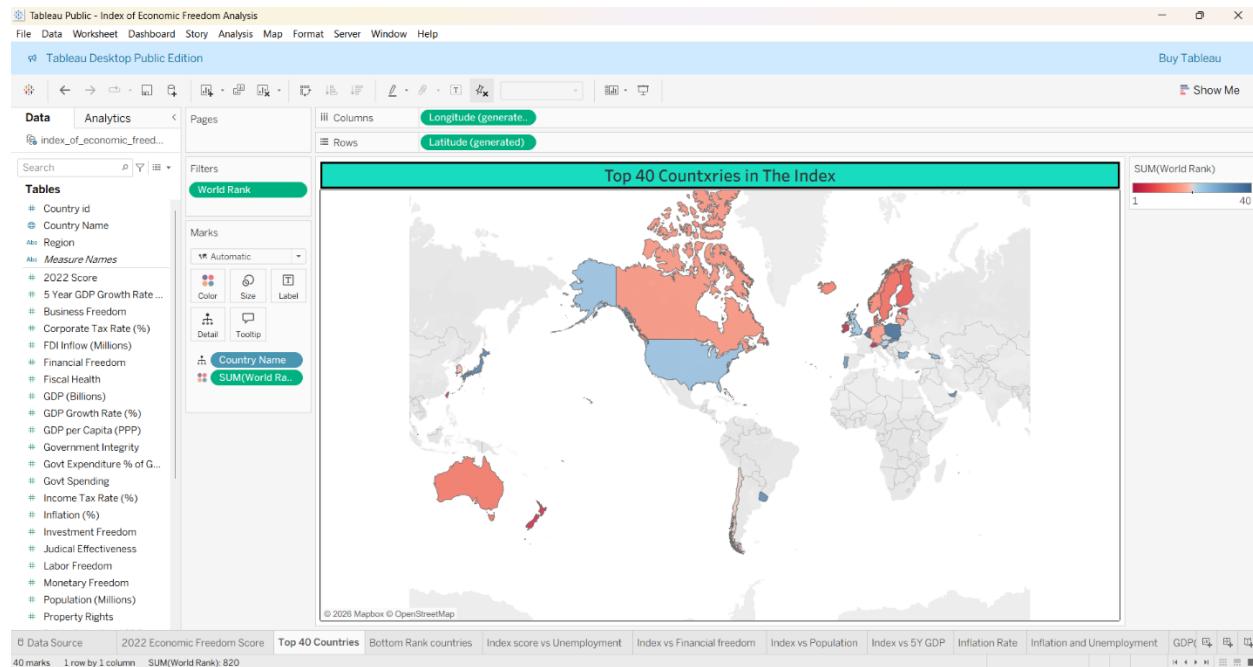
Ensured consistent country matching before joining.

Visualizations

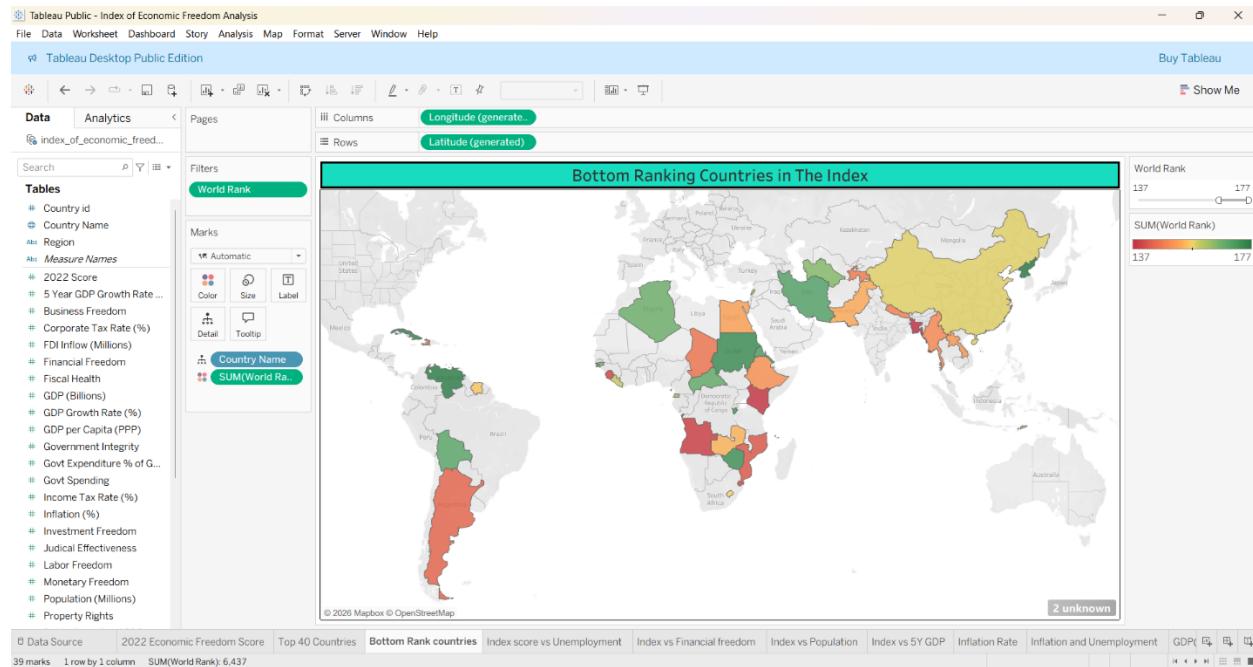
1. 2022 Economic Freedom Score



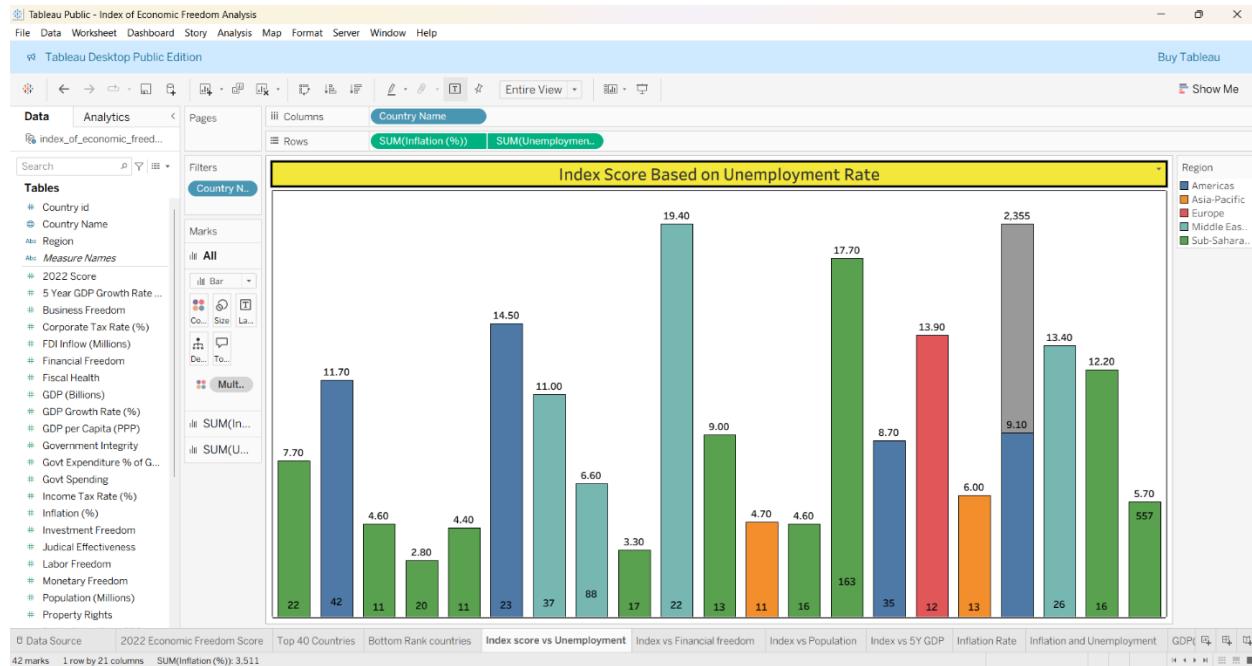
2. Top 40 Ranking Countries in the Index



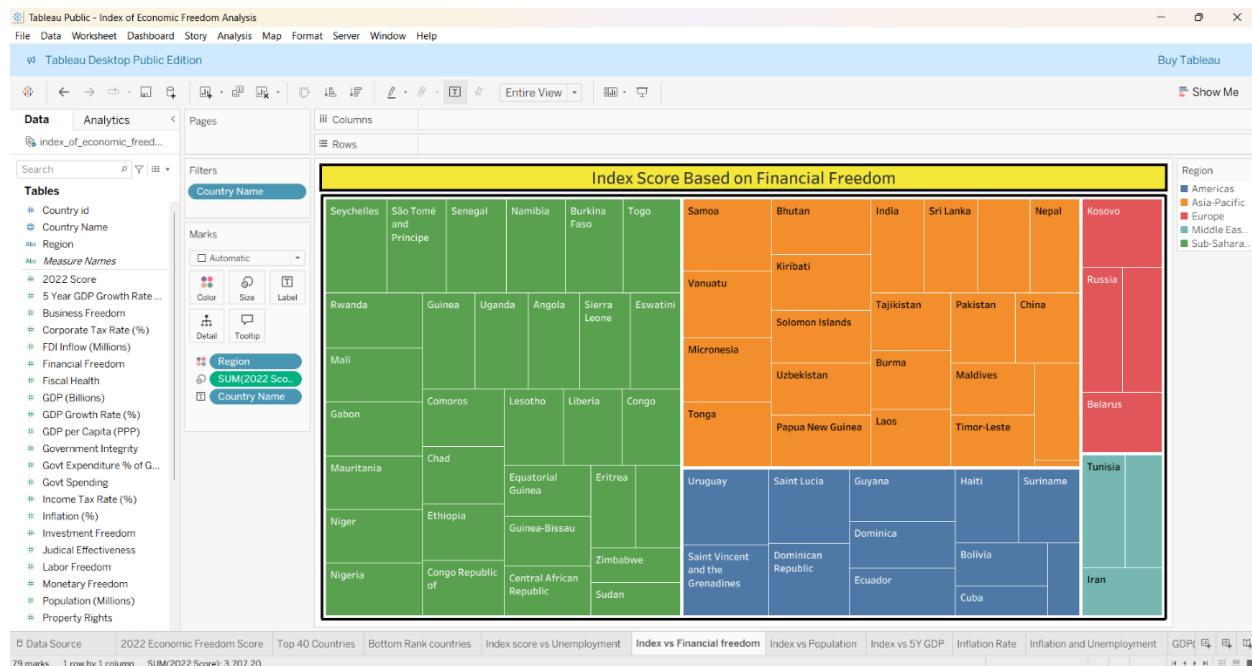
3. Bottom Ranking Countries in the Index



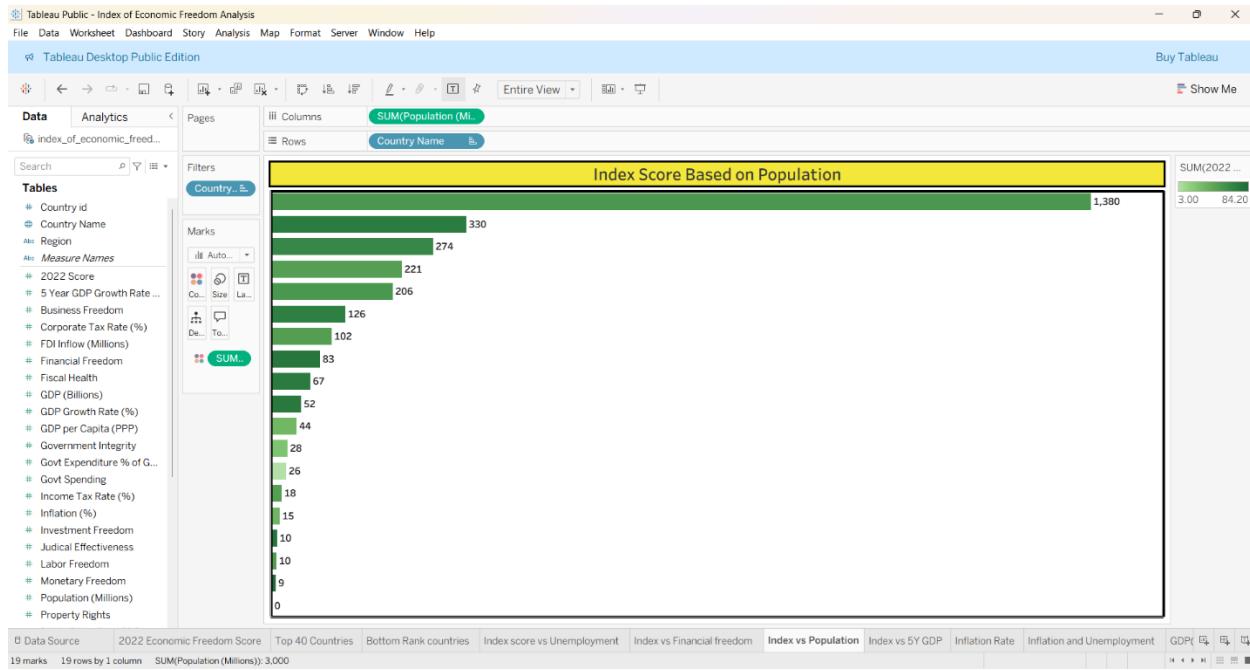
4. Index Score Based on Unemployment Rate



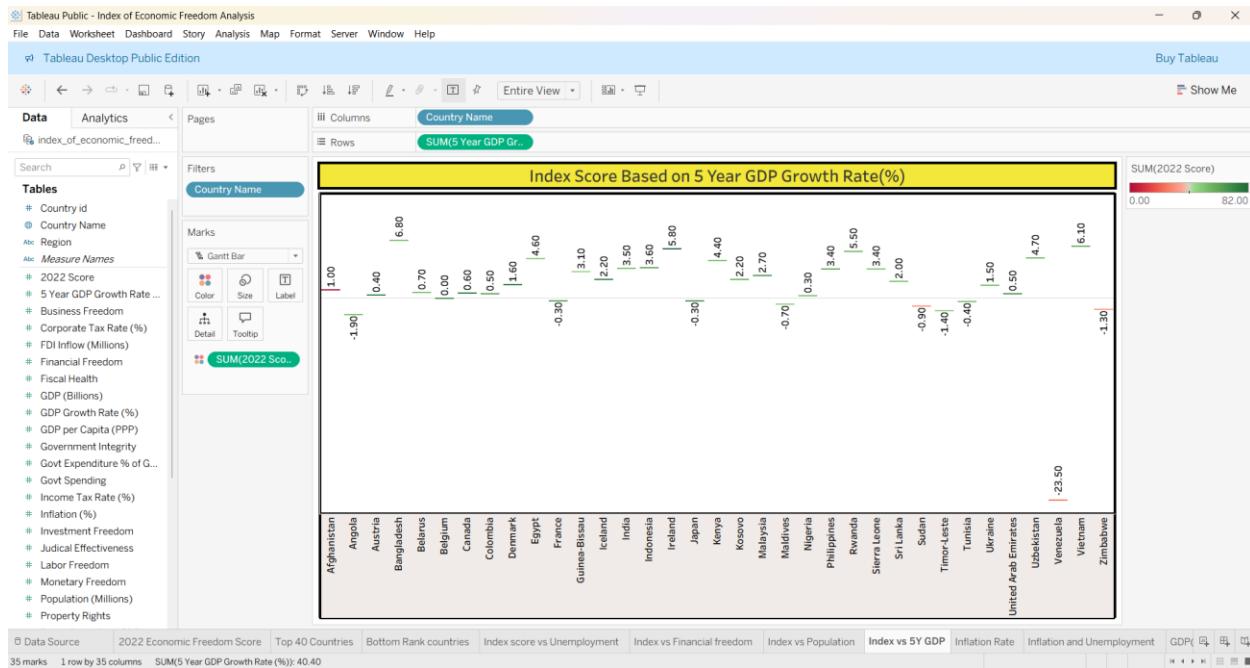
5. Index Score Based on Financial Freedom



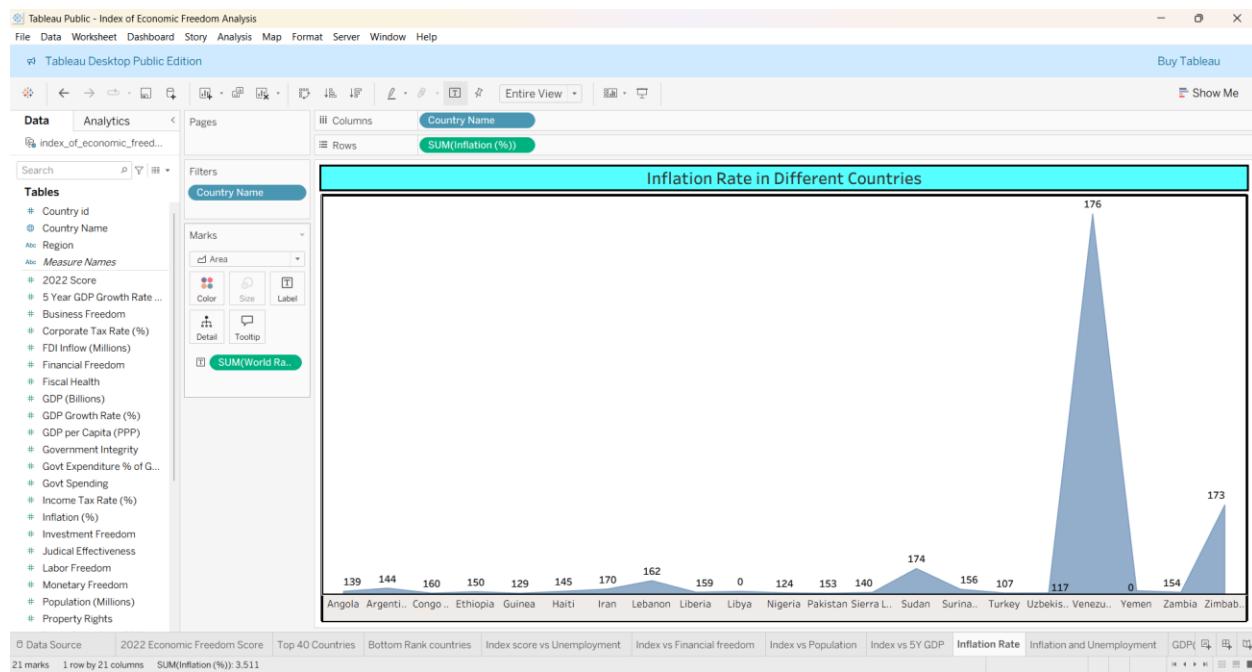
6. Index Score Based on Population



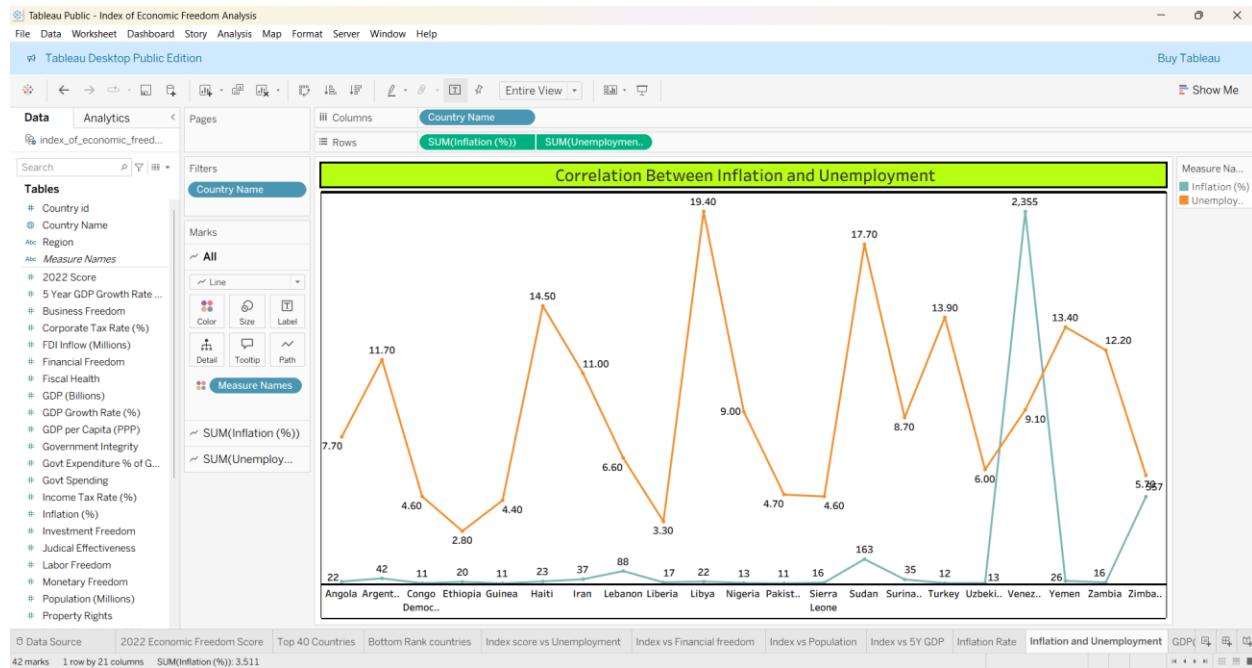
7. Index Score Based on 5-Year GDP Growth Rate



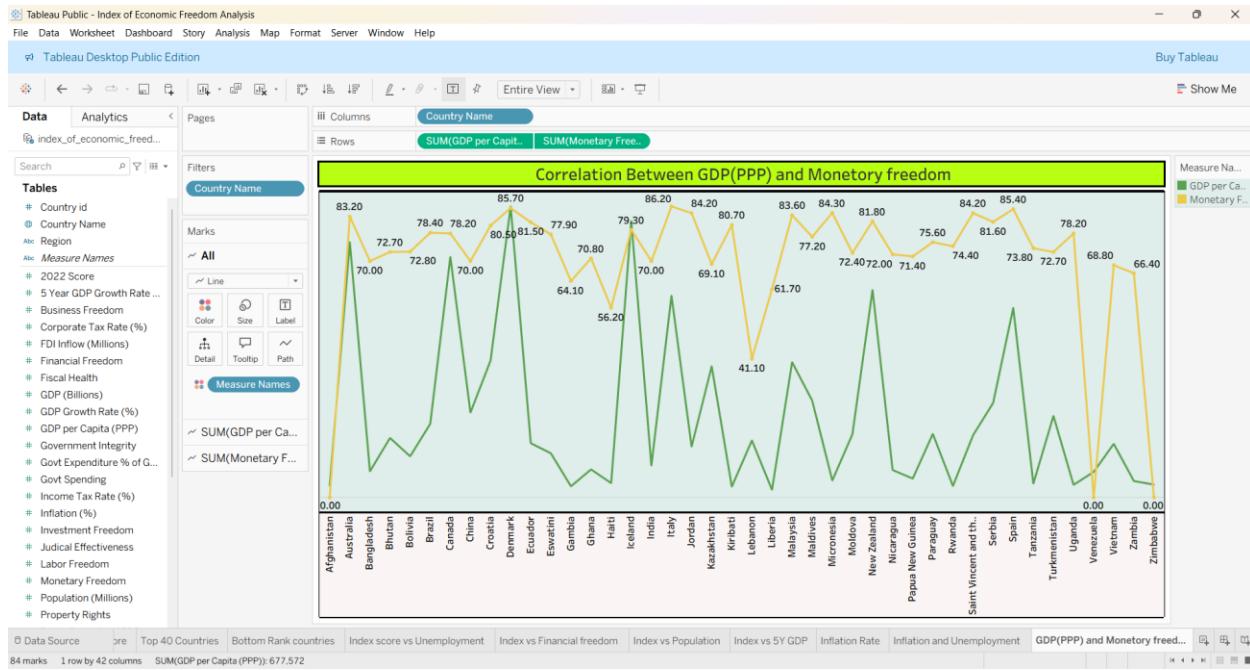
8. Inflation Rate in Different Countries



9. Correlation Between Inflation and Unemployment



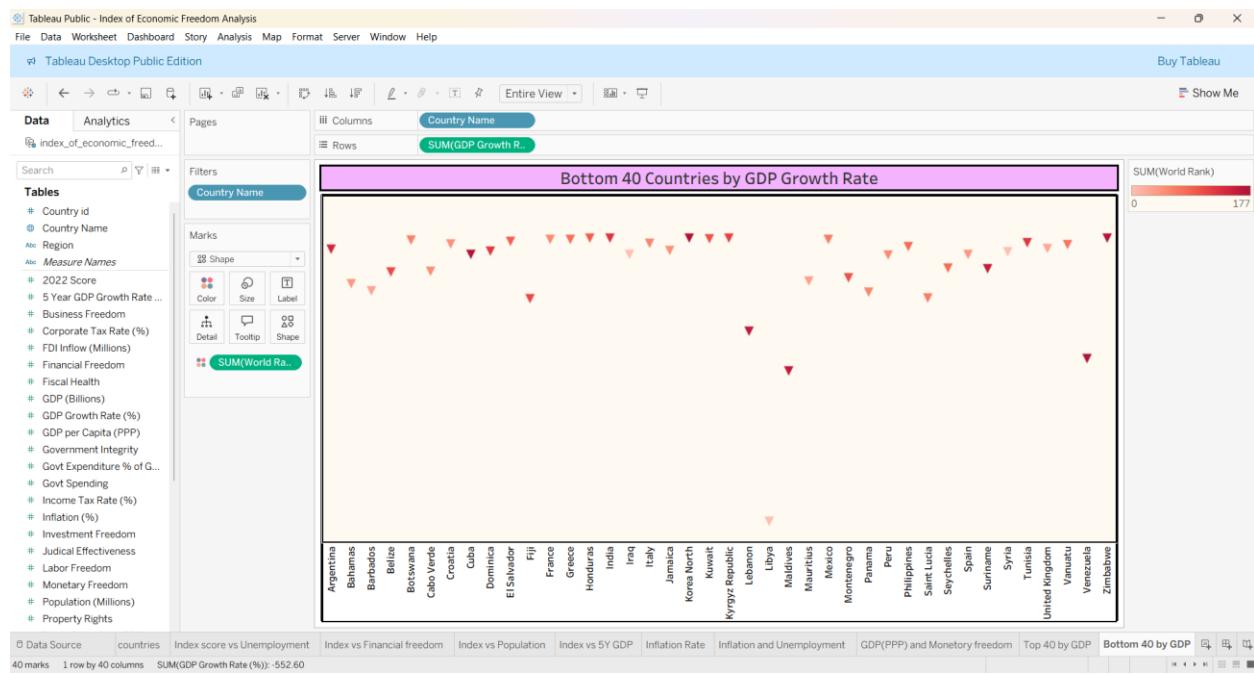
10. Correlation Between GDP (PPP) and Monetary Freedom



11. Top 40 Countries by GDP Growth Rate



12. Bottom 40 Countries by GDP Growth Rate



Dataset link: [index of economic freedom.csv - Google Drive](#)

Tableau Public Link: [Profile - yuvasree.k3344 | Tableau Public](#)

Tableau Public workbook link: [Index of Economic Freedom Analysis | Tableau Public](#)