

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

## Appendix

### 12.1 Source code

#### About.html

```
{% extends "base.html" %}  
{% block title %}About | Pulse of Prosperity{% endblock %}  
  
{% block content %}  
  
<div class="row mb-4">  
  <div class="col text-center">  
    <h2 class="fw-bold text-primary">About the Project</h2>  
    <p class="text-muted">  
      Understanding economic freedom and its impact on global prosperity  
    </p>  
  </div>  
</div>  
  
<div class="row">  
  <div class="col-lg-10 mx-auto">  
  
    <div class="card shadow-sm mb-4">  
      <div class="card-body">  
        <h4 class="card-title">Project Objective</h4>  
        <p class="card-text">  
          The objective of this project is to analyze and visualize the  
          <strong>Index of Economic Freedom</strong> to understand how  
          institutional and policy-related factors influence economic  
          performance across countries.  
        </p>  
        <p class="card-text">  
          By integrating <strong>Tableau visual analytics</strong> with the  
          <strong>Flask web framework</strong>, this application presents  
          complex economic data in an accessible and interactive manner.  
        </p>  
      </div>  
    </div>  
</div>
```

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

```
<div class="card shadow-sm mb-4">
  <div class="card-body">
    <h4 class="card-title">Index of Economic Freedom</h4>
    <p class="card-text">
      The Index of Economic Freedom evaluates countries across four
      broad pillars:
    </p>
    <ul>
      <li>Rule of Law (property rights, judicial effectiveness)</li>
      <li>Government Size (tax burden, spending, fiscal health)</li>
      <li>Regulatory Efficiency (business, labor, monetary freedom)</li>
      <li>Market Openness (trade, investment, financial freedom)</li>
    </ul>
    <p class="card-text">
      These indicators collectively provide insights into how economic
      environments support or hinder prosperity.
    </p>
  </div>
</div>

<div class="card shadow-sm">
  <div class="card-body">
    <h4 class="card-title">Tools & Technologies</h4>
    <ul class="mb-0">
      <li><strong>Flask:</strong> Backend web framework</li>
      <li><strong>Tableau:</strong> Interactive data visualization</li>
      <li><strong>Bootstrap 5:</strong> Responsive UI design</li>
      <li><strong>Python:</strong> Application logic</li>
    </ul>
  </div>
</div>

</div>
<% endblock %>
```

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

Pulse of Prosperity

Home About Dashboard 1 Dashboard 2 Dashboard 3 Story

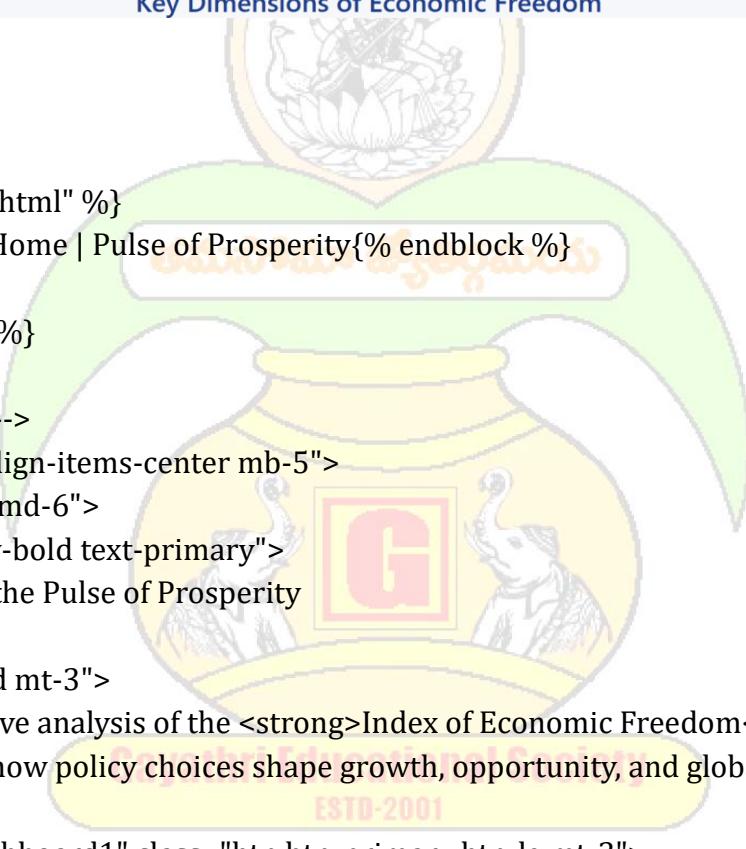
## Measuring the Pulse of Prosperity

An interactive analysis of the Index of Economic Freedom, examining how policy choices shape growth, opportunity, and global prosperity.

Explore Dashboards



### Key Dimensions of Economic Freedom



## Index.html

```
{% extends "base.html" %}  
{% block title %}Home | Pulse of Prosperity{% endblock %}  
  
{% block content %}  
  
<!-- Hero Section -->  
<div class="row align-items-center mb-5">  
  <div class="col-md-6">  
    <h1 class="fw-bold text-primary">  
      Measuring the Pulse of Prosperity  
    </h1>  
    <p class="lead mt-3">  
      An interactive analysis of the <strong>Index of Economic Freedom</strong>,  
      examining how policy choices shape growth, opportunity, and global prosperity.  
    </p>  
    <a href="/dashboard1" class="btn btn-primary btn-lg mt-3">  
      Explore Dashboards  
    </a>  
  </div>  
  <div class="col-md-6 text-center">
```

# **Measuring the pulse of prosperity: An Index of Economic Freedom Analysis**

```

</div>
</div>
```

```
<!-- Key Indicators Section -->
<div class="row text-center mb-5">
    <h2 class="mb-4">Key Dimensions of Economic Freedom</h2>
```

```
<div class="col-md-4 mb-3">
    <div class="card shadow-sm h-100">
        <div class="card-body">
            <h5 class="card-title">Rule of Law</h5>
            <p class="card-text">
                Evaluates property rights, judicial effectiveness,
                and government integrity.
            </p>
        </div>
    </div>
</div>
</div>
```

```
<div class="col-md-4 mb-3">
    <div class="card shadow-sm h-100">
        <div class="card-body">
            <h5 class="card-title">Government Size</h5>
            <p class="card-text">
                Measures tax burden, government spending,
                and fiscal health.
            </p>
        </div>
    </div>
</div>
</div>
```

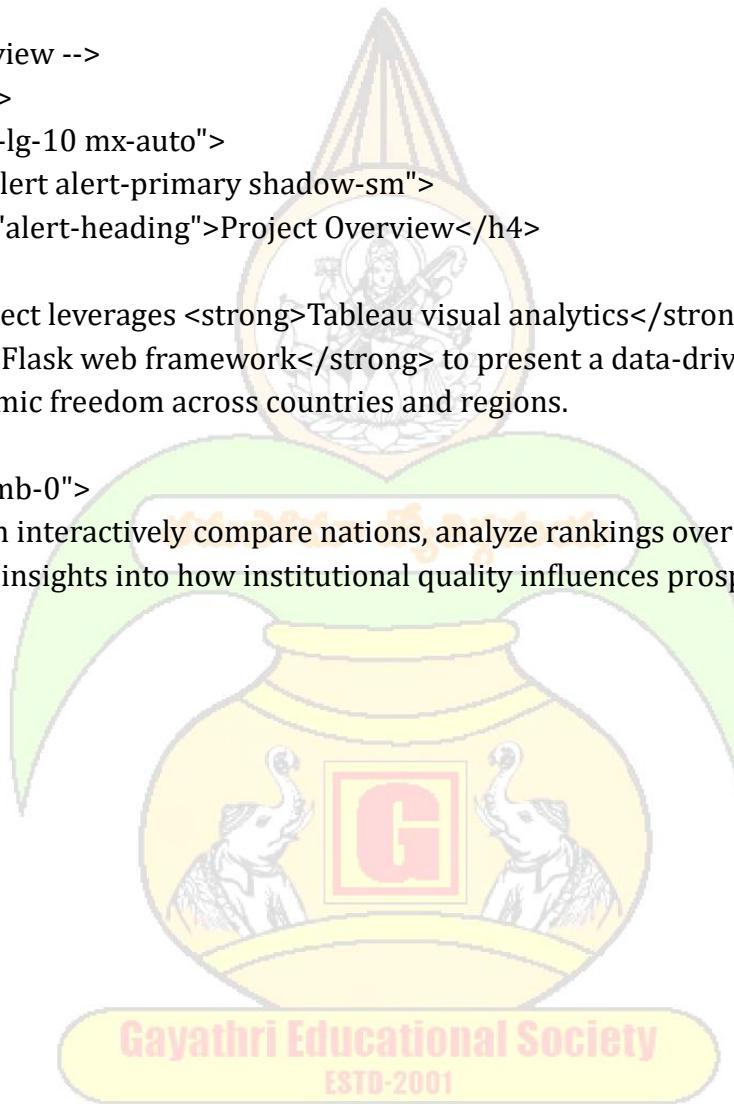
```
<div class="col-md-4 mb-3">
    <div class="card shadow-sm h-100">
        <div class="card-body">
            <h5 class="card-title">Market Openness</h5>
            <p class="card-text">
```

# **Measuring the pulse of prosperity: An Index of Economic Freedom Analysis**

Assesses trade freedom, investment freedom, and financial freedom.

```
</p>
</div>
</div>
</div>
</div>
```

```
<!-- Project Overview -->
<div class="row">
  <div class="col-lg-10 mx-auto">
    <div class="alert alert-primary shadow-sm">
      <h4 class="alert-heading">Project Overview</h4>
      <p>
        This project leverages <strong>Tableau visual analytics</strong> and the <strong>Flask web framework</strong> to present a data-driven exploration of economic freedom across countries and regions.
      </p>
      <p class="mb-0">
        Users can interactively compare nations, analyze rankings over time, and gain insights into how institutional quality influences prosperity.
      </p>
    </div>
  </div>
</div>
{%- endblock %}
```



# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

Pulse of Prosperity

Home About Dashboard 1 Dashboard 2 Dashboard 3 Story

## About the Project

Understanding economic freedom and its impact on global prosperity

### Project Objective

The objective of this project is to analyze and visualize the **Index of Economic Freedom** to understand how institutional and policy-related factors influence economic performance across countries.

By integrating **Tableau visual analytics** with the **Flask web framework**, this application presents complex economic data in an accessible and interactive manner.

### Index of Economic Freedom

The Index of Economic Freedom evaluates countries across four broad pillars:

- Rule of Law (property rights, judicial effectiveness)
- Government Size (tax burden, spending, fiscal health)
- Regulatory Efficiency (business, labor, monetary freedom)
- Market Openness (trade, investment, financial freedom)

These indicators collectively provide insights into how economic environments support or hinder prosperity.

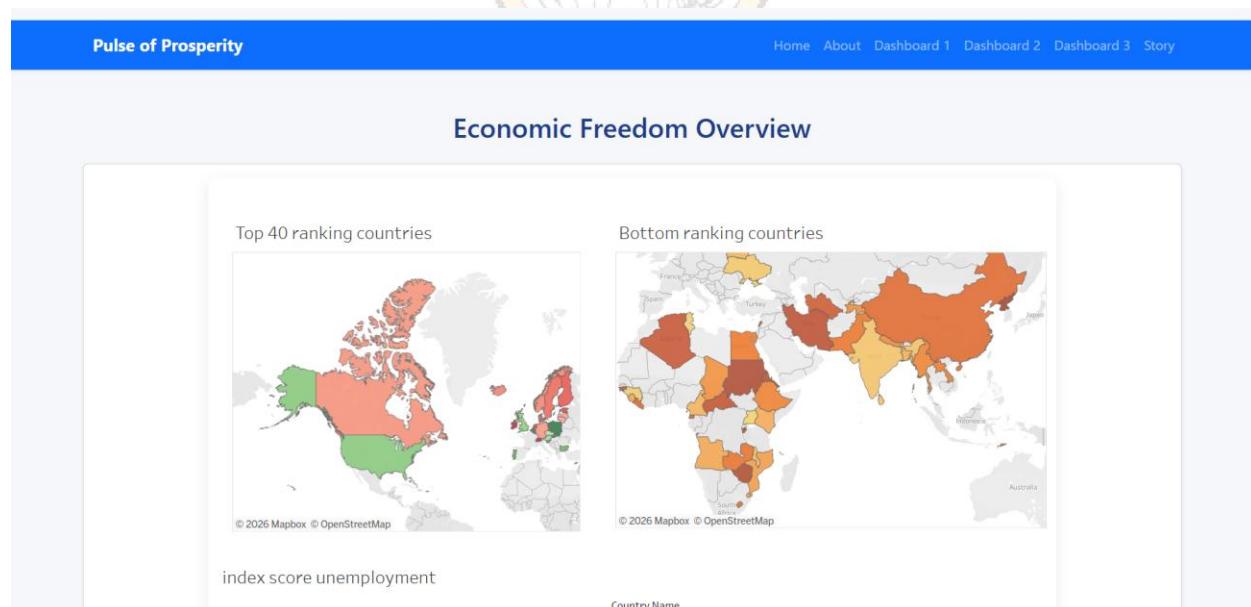
## Dashboard - 1

```
{% extends "base.html" %}  
{% block title %}Dashboard 1 | Economic Freedom{% endblock %}  
  
{% block content %}  
  
<h2 class="mb-4 text-center">Economic Freedom Overview</h2>  
  
<div class="card shadow-sm">  
  <div class="card-body">  
    <div class='tableauPlaceholder' id='viz1770367569316' style='position: relative'><noscript><a href='#'><img alt='Dashboard 1 ' src='https://public.tableau.com/static/images/re&#47;renukada shboard1&#47;Dashboard1&#47;1_rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' /> <param name='site_root' value='/' /><param name='name' value='renukadashboard1&#47;Dashboard1' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/re&#47;renuka dashboard1&#47;Dashboard1&#47;1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes'
```

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

```
/><param name='display_count' value='yes' /><param name='language' value='en-US'
/><param name='filter' value='publish=yes' /></object></div>      <script
type='text/javascript'>      var divElement =
document.getElementById('viz1770367569316');      var vizElement =
divElement.getElementsByTagName('object')[0];      if ( divElement.offsetWidth >
800 ) { vizElement.style.width='1000px';vizElement.style.height='827px';} else if (
divElement.offsetWidth > 500 ) {
vizElement.style.width='1000px';vizElement.style.height='827px';} else {
vizElement.style.width='100%';vizElement.style.height='977px';}      var
scriptElement = document.createElement('script');      scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);      </script>
</div>
</div>
```

{% endblock %}



## Dashboard - 2

{% extends "base.html" %}

{% block title %}Dashboard 1 | Economic Freedom{% endblock %}

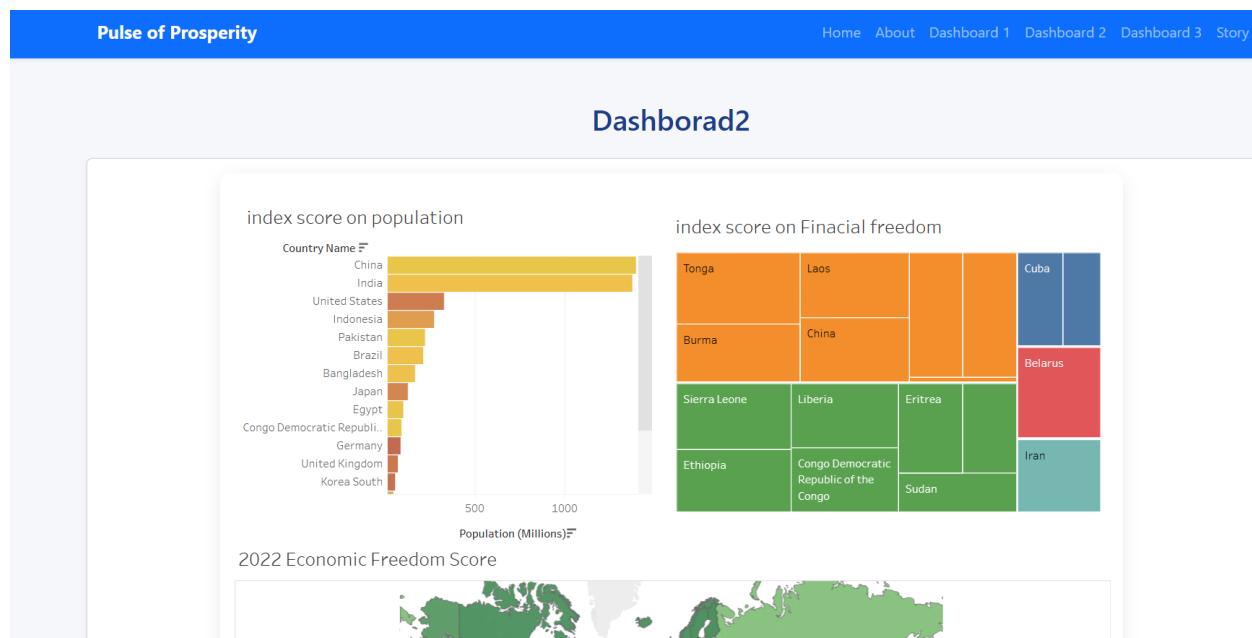
{% block content %}

# **Measuring the pulse of prosperity: An Index of Economic Freedom Analysis**

```
<h2 class="mb-4 text-center">Dashborad2</h2>
```

```
<div class="card shadow-sm">
  <div class="card-body">
    <div class='tableauPlaceholder' id='viz1770367829128' style='position: relative'><noscript><a href='#'><img alt='Dashboard 2 ' src='https://public.tableau.com/static/images/re/renukada/shboard2/Dashboard2/1_rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' /> <param name='site_root' value=''/><param name='name' value='renukadashboard2/Dashboard2' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/re/renuka/dashboard2/Dashboard2/1.png' /> <param name='animate_transition' value='yes' /><param name='display_static_image' value='yes' /><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param name='language' value='en-US' /><param name='filter' value='publish=yes' /></object></div>      <script type='text/javascript'>
    var divElement =
      document.getElementById('viz1770367829128');           var vizElement =
      divElement.getElementsByTagName('object')[0];           if ( divElement.offsetWidth >
      800 ) { vizElement.style.width='1000px';vizElement.style.height='827px';} else if (
      divElement.offsetWidth > 500 ) {
      vizElement.style.width='1000px';vizElement.style.height='827px';} else {
      vizElement.style.width='100%';vizElement.style.height='977px';}           var
      scriptElement = document.createElement('script');           scriptElement.src =
      'https://public.tableau.com/javascripts/api/viz_v1.js';
      vizElement.parentNode.insertBefore(scriptElement, vizElement);           </script>
    </div>
  </div>
{%- endblock %}
```

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis



## Dashboard - 3

```
{% extends "base.html" %}

{% block title %}Dashboard 1 | Economic Freedom{% endblock %}

{% block content %}

<h2 class="mb-4 text-center">Dashborad 3</h2>

<div class="card shadow-sm">
  <div class="card-body">
    <div class='tableauPlaceholder' id='viz1770368619748' style='position: relative'><noscript><a href='#'><img alt='Dashborad 3 ' src='https://public.tableau.com/static/images/re/re&#47;renukada shboard3&#47;Dashborad3&#47;1_rss.png' style='border: none' /></a></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /><param name='embed_code_version' value='3' /><param name='site_root' value='' /><param name='name' value='renukadashboard3&#47;Dashborad3' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/re/re&#47;renuka dashboard3&#47;Dashborad3&#47;1.png' /><param name='animate_transition' value='yes' /><param name='display_static_image' value='yes' /><param
```

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

```
name='display_spinner' value='yes' /><param name='display_overlay' value='yes'  
/><param name='display_count' value='yes' /><param name='language' value='en-US'  
/><param name='filter' value='publish=yes' /></object></div> <script  
type='text/javascript'> var divElement =  
document.getElementById('viz1770368619748'); var vizElement =  
divElement.getElementsByTagName('object')[0]; if ( divElement.offsetWidth >  
800 ) { vizElement.style.width='1000px';vizElement.style.height='827px';} else if (   
divElement.offsetWidth > 500 ) {  
vizElement.style.width='1000px';vizElement.style.height='827px';} else {  
vizElement.style.width='100%';vizElement.style.height='727px';} var  
scriptElement = document.createElement('script'); scriptElement.src =  
'https://public.tableau.com/javascripts/api/viz_v1.js';  
vizElement.parentNode.insertBefore(scriptElement, vizElement); </script>  
</iframe>  
</div>  
</div>
```

{% endblock %}



## Story - 1

{% extends "base.html" %}  
{% block title %}Story | Pulse of Prosperity{% endblock %}

{% block content %}

# **Measuring the pulse of prosperity: An Index of Economic Freedom Analysis**

```
<div class="row mb-4">
  <div class="col text-center">
    <h2 class="fw-bold text-primary">Economic Freedom Story</h2>
    <p class="text-muted">
      A narrative exploration of global economic freedom trends
    </p>
  </div>
</div>

<div class="row mb-4">
  <div class="col-lg-10 mx-auto">
    <div class="alert alert-primary shadow-sm">
      <p class="mb-0">
        This Tableau story brings together key insights from the analysis,
        highlighting regional patterns, country rankings, and the relationship
        between economic freedom and prosperity.
      </p>
    </div>
  </div>
</div>

<div class="row">
  <div class="col-12">
    <div class="card shadow-sm">
      <div class="card-body p-0">
        <div class='tableauPlaceholder' id='viz1770368987013' style='position:
relative'><noscript><a href='#'><img alt='Story 1
src='https://public.tableau.com/static/images/St/Story1_1
7703689562480/Story1&1_rss.png' style='border: none'
/></a></noscript><object class='tableauViz' style='display:none;'><param
name='host_url' value='https://public.tableau.com/' /><param
name='embed_code_version' value='3' /> <param name='site_root' value="" /><param
name='name' value='Story1_17703689562480/Story1' /><param name='tabs'
value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https://public.tableau.com/static/images/St/Story1_17703689562480/Story1&1.png' /> <param name='animate_transition'
value='yes' /><param name='display_static_image' value='yes' /><param
```

# Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

```
name='display_spinner' value='yes' /><param name='display_overlay' value='yes'
/><param name='display_count' value='yes' /><param name='language' value='en-US'
/><param name='filter' value='publish=yes' /></object></div>      <script
type='text/javascript'>      var divElement =
document.getElementById('viz1770368987013');      var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='1016px';vizElement.style.height='991px';      var
scriptElement = document.createElement('script');      scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);      </script>
</div>
</div>
</div>
</div>
```

{% endblock %}



Pulse of Prosperity

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## Economic Freedom Story

A narrative exploration of global economic freedom trends

This Tableau story brings together key insights from the analysis, highlighting regional patterns, country rankings, and the relationship between economic freedom and prosperity.

Story 1

This Map Represents Countries with their Index Score

2022 Score  
0.00 84.40

