World Data Visualization Prize Entry - 2019
Storytelling with Government Data

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Senior Software Developer | Medical Informatics Researcher / Masters Student
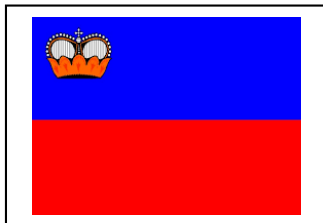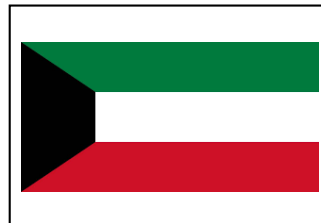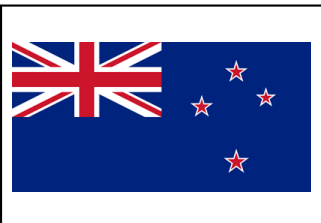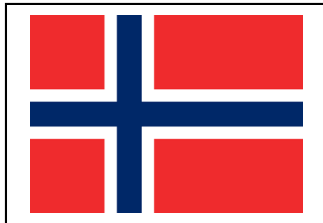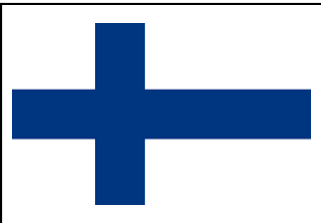Machine Learning Enthusiast | Art Fanatic | Philanthropist

Country of Residence : South Africa

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Category : Static Image

Subject : What makes a Good Government?

Since 1997, the United Nations Development Program (UNDP) established 9 Characteristics of Good Governance :

1. Participation

2. Rule of Law

3. Transparency

4. Responsiveness

5. Consensus Orientation

6. Equity

7. Effectiveness & Efficiency
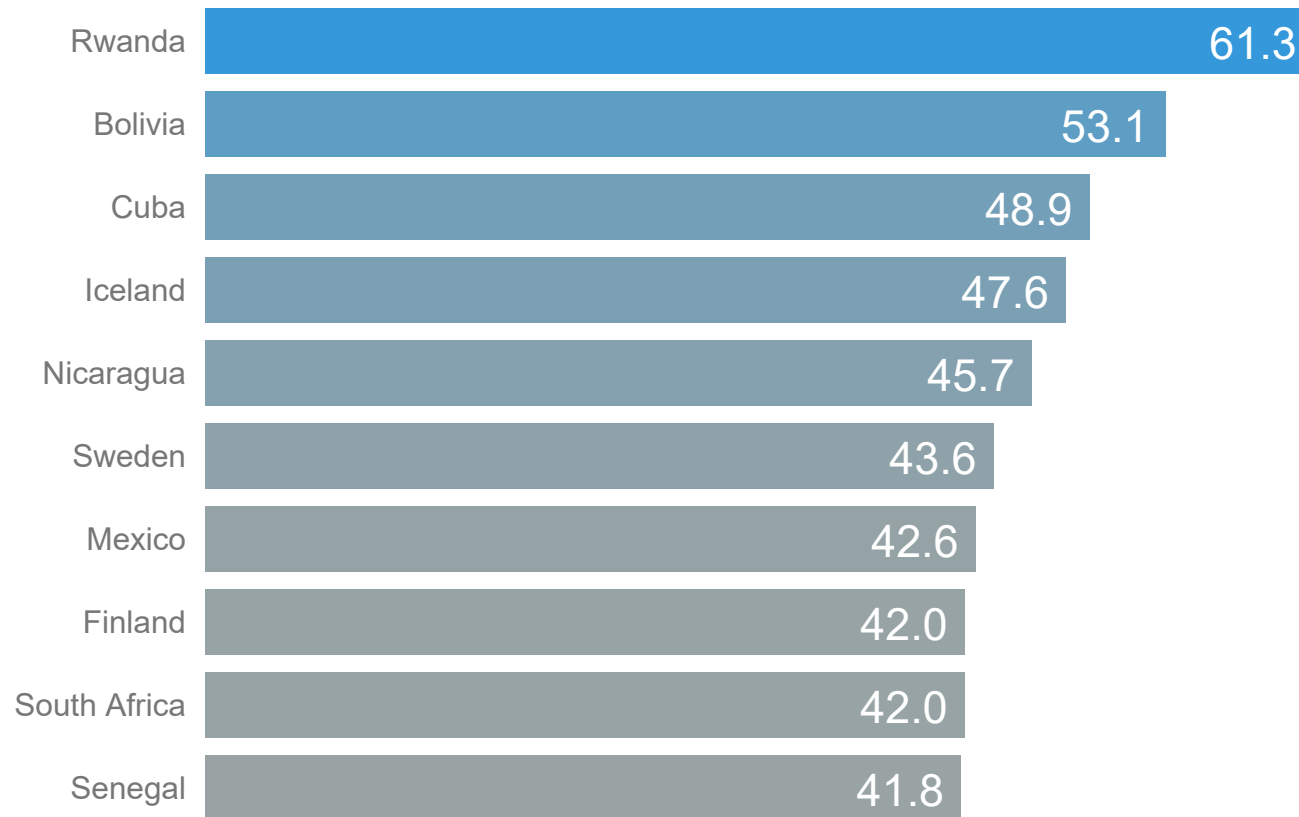
8. Accountability

9. Strategic Vision

Data Source: UNDP (1997) Governance for Sustainable Human Development. United Nations Development Programme

Let us now look at the Top 10 countries with each of these 9 characteristics as at 2018

Top 10 countries with the greatest representation of women in national parliaments (% of all MPs)
Rwanda has the highest percentage of women in parliament

Women MPs (% of all MPs) by Country

Country	%
Rwanda	61.3
Bolivia	53.1
Cuba	48.9
Iceland	47.6
Nicaragua	45.7
Sweden	43.6
Mexico	42.6
Finland	42.0
South Africa	42.0
Senegal	41.8

Data Source: World Bank. https://data.worldbank.org/indicator/SG.GEN.PARL.ZS

1. **Participation**: both men & women should have a voice in decision-making

Top 10 countries with the best quality of rule of law and the least likelihood of crime and violence
Finland's rule of law is of highest quality, closely followed by Norway (0.01 difference)

Rule of Law by Country

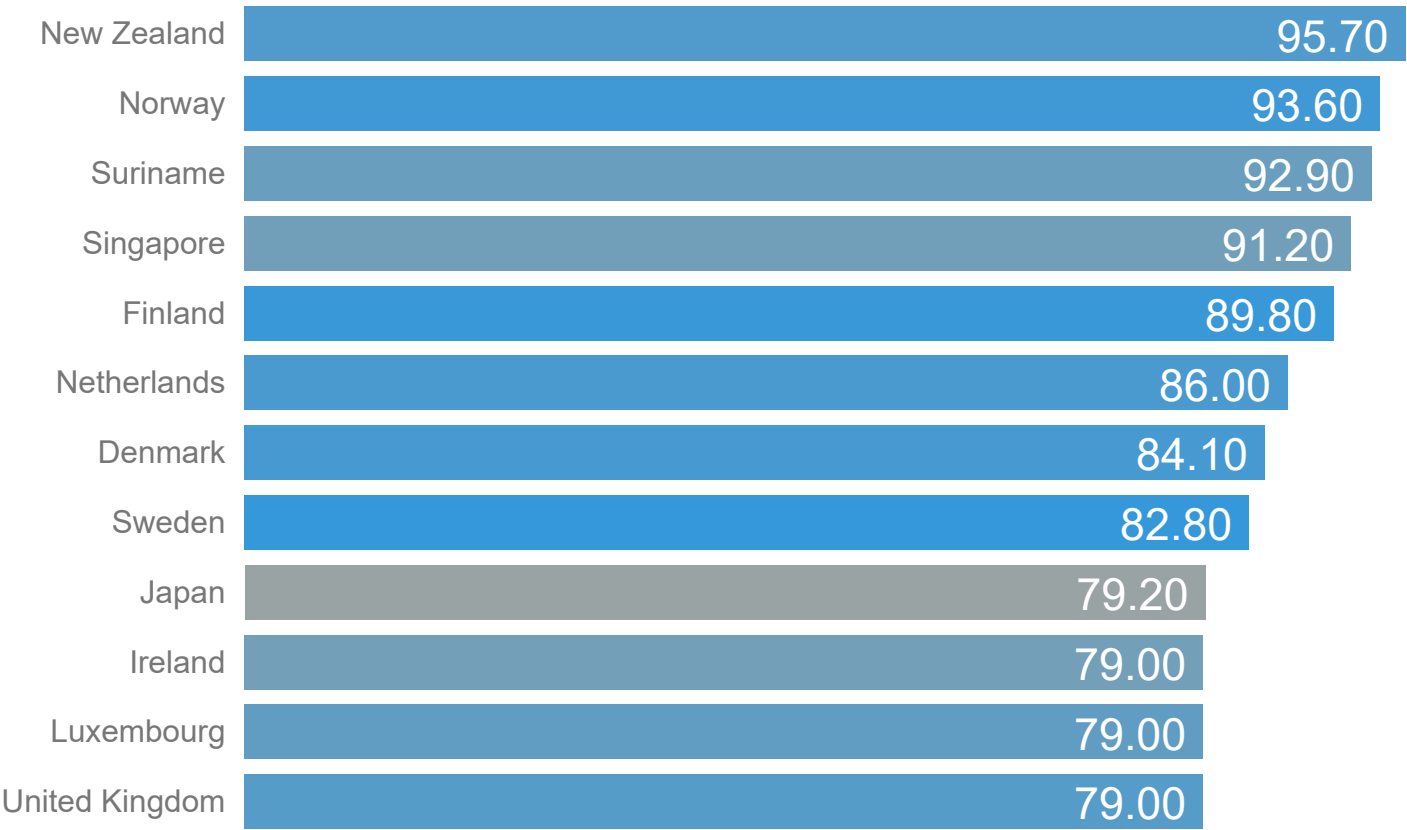| Country	Value
Finland	2.030
Norway	2.020
Sweden	1.940
Switzerland	1.930
New Zealand	1.920
Denmark	1.860
Netherlands	1.830
Singapore	1.820
Austria	1.810
Canada	1.800

Data Source: World Bank. http://info.worldbank.org/governance/wgi/#home

2. **Rule of Law**: legal frameworks should be fair and enforced impartially

Top 10 countries with the highest government integrity score
New Zealand is ranked as the least corrupt country in the world - with great public trust and the highest rank in transparency: integrity score = 95.70
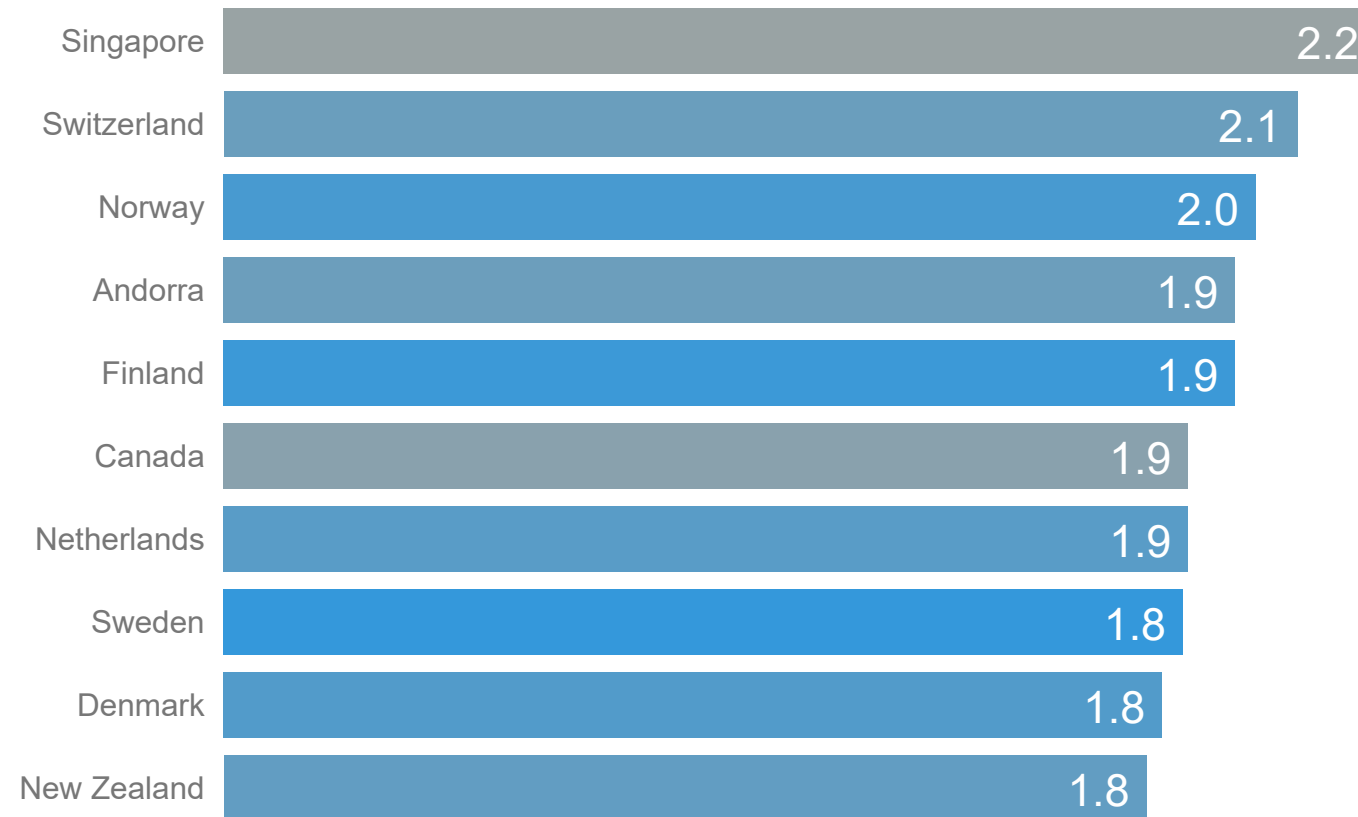
Government Integrity Score by Country

Country	Score
New Zealand	95.70
Norway	93.60
Suriname	92.90
Singapore	91.20
Finland	89.80
Netherlands	86.00
Denmark	84.10
Sweden	82.80
Japan	79.20
Ireland	79.00
Luxembourg	79.00
United Kingdom	79.00

Data Source: Heritage Foundation. https://www.heritage.org/index/explore

3. **Transparency**: government should be open and is obligated to share information with citizens

Government Effectiveness by Country

Country	Value
Singapore	2.2
Switzerland	2.1
Norway	2.0
Andorra	1.9
Finland	1.9
Canada	1.9
Netherlands	1.9
Sweden	1.8
Denmark	1.8
New Zealand	1.8

Data Source: World Bank. http://info.worldbank.org/governance/wgi/#home

4. **Responsiveness**: government action should respond to the preferences of its citizens

Human Development Index (HDI) by Country

Country	HDI
Norway	0.953
Switzerland	0.944
Australia	0.939
Ireland	0.938
Germany	0.936
Iceland	0.935
Sweden	0.933
Singapore	0.932
Netherlands	0.931
Denmark	0.929

Data Source: UNDP. http://hdr.undp.org/en/data#

5. **Consensus Orientation**: a good government should reach a broad consensus on what is in the best interests of its citizens

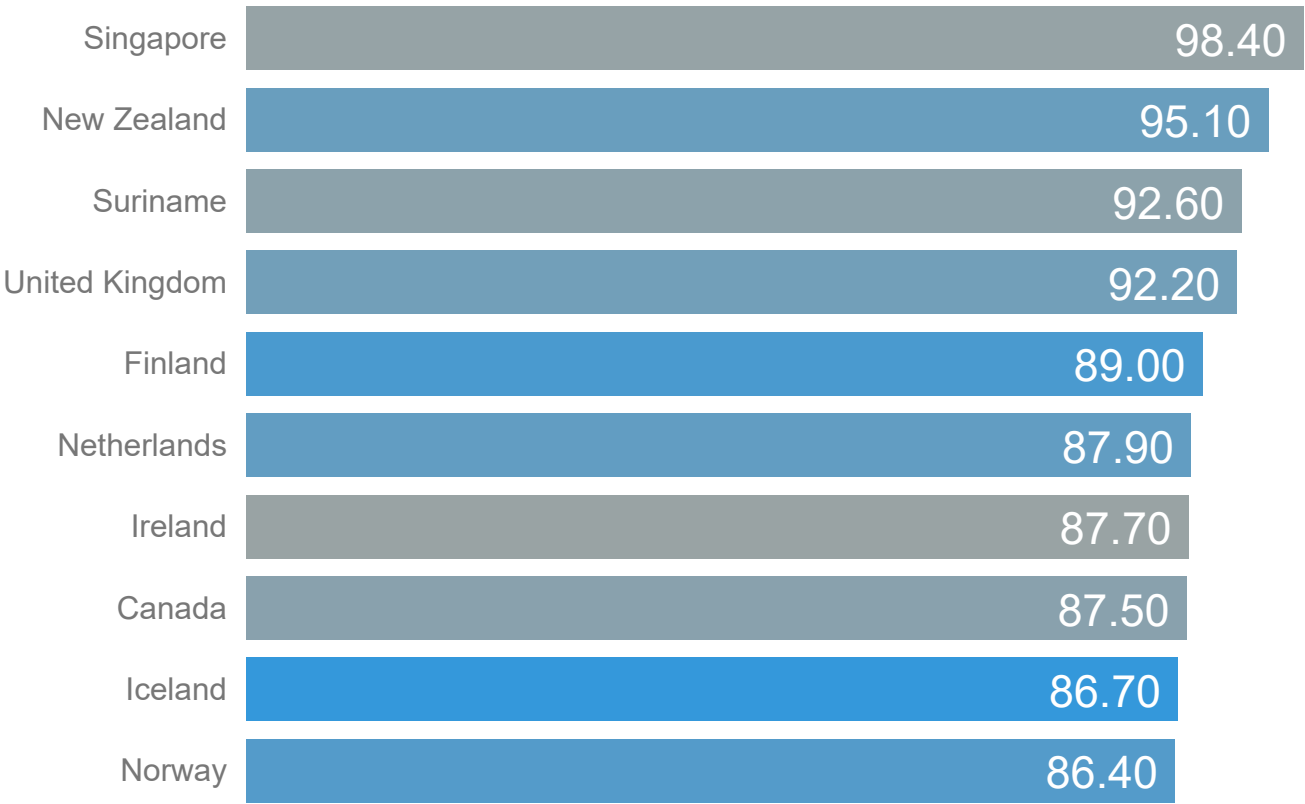# Top 10 countries with the highest level of equity
Norway wins highest rank in equity in terms of Sustainable Economic Development Assessment (SEDA) & **Singapore** wins highest rank in equity in terms of Property Rights Score

SEDA by Country

Country	SEDA
Norway	85.30
Switzerland	83.80
Iceland	83.70
Luxembourg	83.20
Denmark	82.00
Sweden	81.90
Singapore	81.80
Finland	81.30
Austria	80.30
Ireland	80.30
Netherlands	80.30

Property Rights Score by Country

Country	Property Rights Score
Singapore	98.40
New Zealand	95.10
Suriname	92.60
United Kingdom	92.20
Finland	89.00
Netherlands	87.90
Ireland	87.70
Canada	87.50
Iceland	86.70
Norway	86.40

Data Source: World Bank Boston Consulting Group (BCG).
https://www.bcg.com/en-gb/publications/interactives/seda-2018-guide.aspx

Data Source: Heritage Foundation.
https://www.heritage.org/index/explore
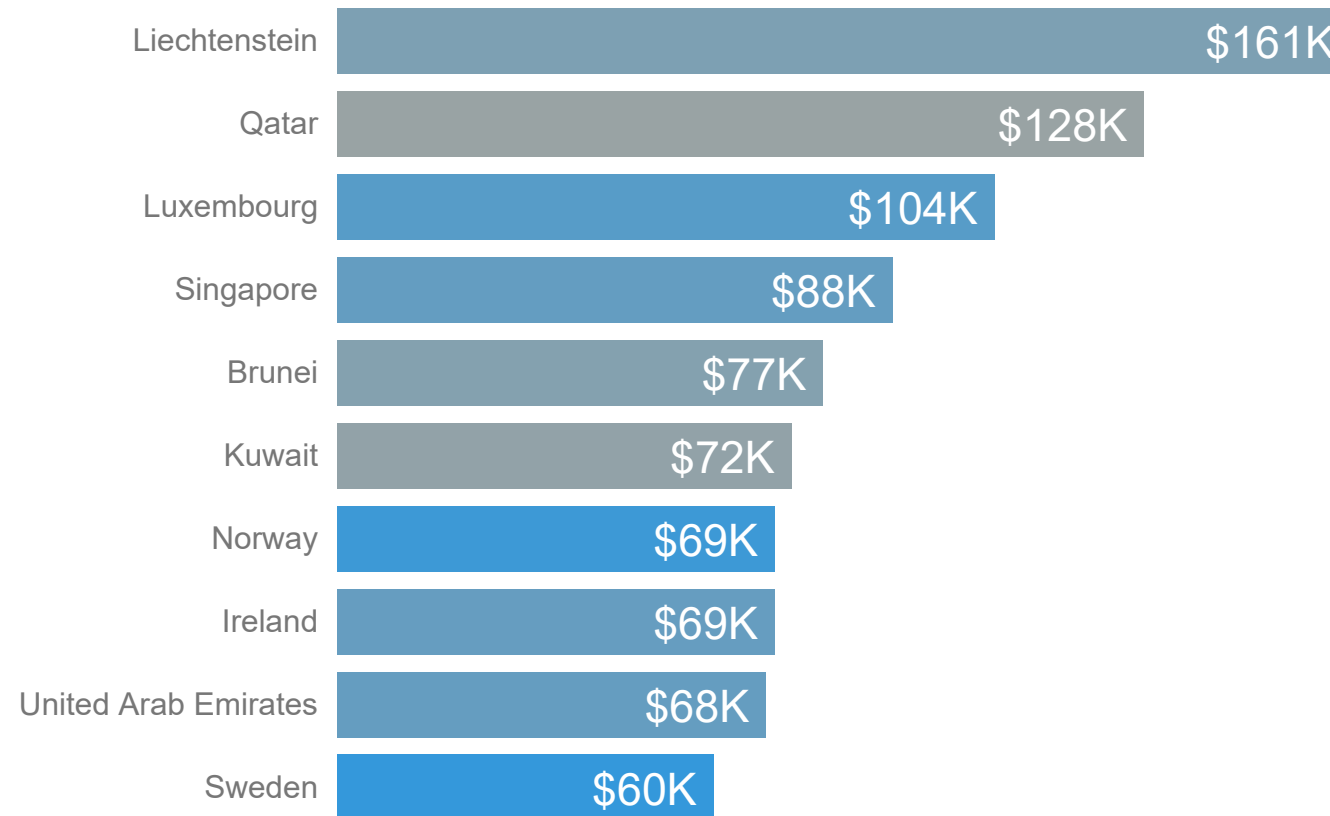
6. **Equity**: all men and women should have opportunities to improve or maintain their well-being

Top 10 countries with the most effectiveness and efficiency measured by GDP per Capita (PPP)
Liechtenstein has the highest GDP per Capita PPP = $161K
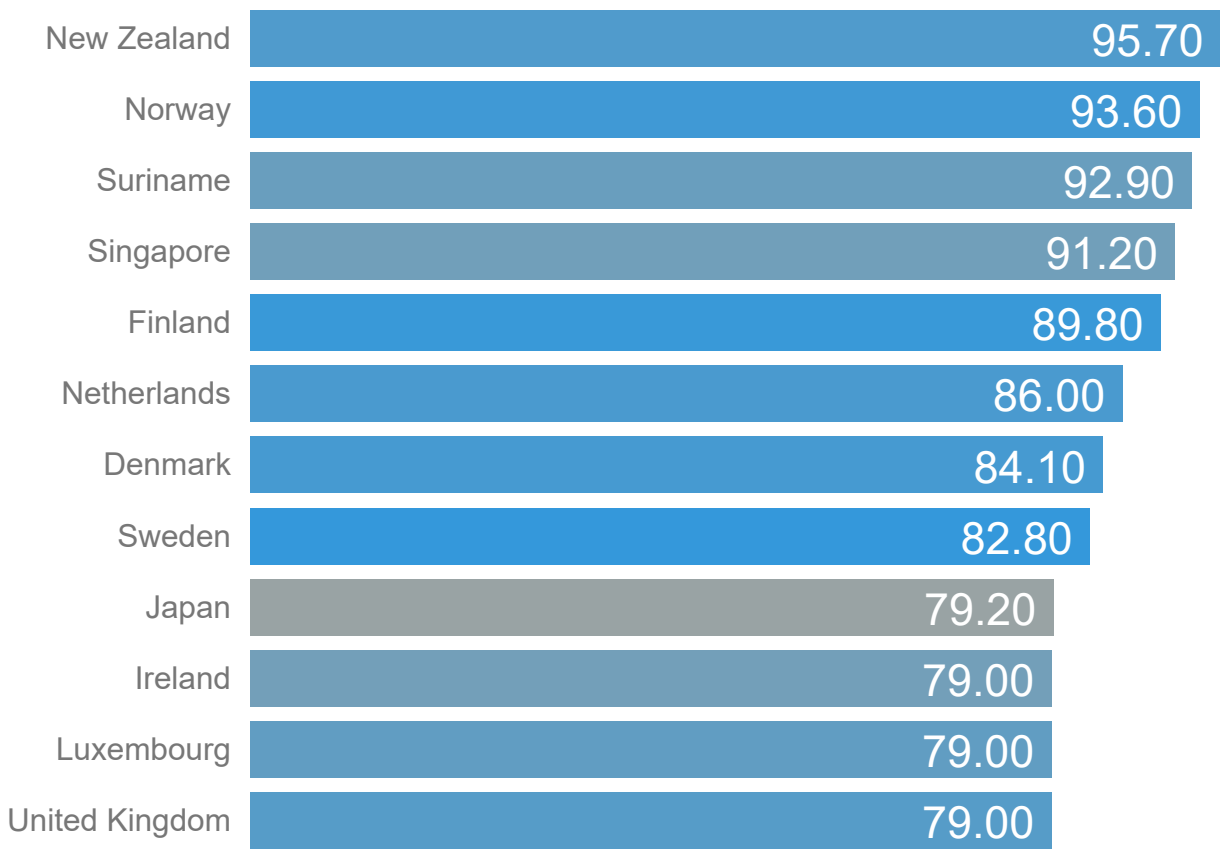
GDP per Capita (PPP) by Country

Country	GDP per Capita (PPP)
Liechtenstein	$161K
Qatar	$128K
Luxembourg	$104K
Singapore	$88K
Brunei	$77K
Kuwait	$72K
Norway	$69K
Ireland	$69K
United Arab Emirates	$68K
Sweden	$60K

Data Source: Heritage Foundation. https://www.heritage.org/index/explore

7. **Effectiveness & Efficiency**: government should make the best use of resources & meet the needs of citizens
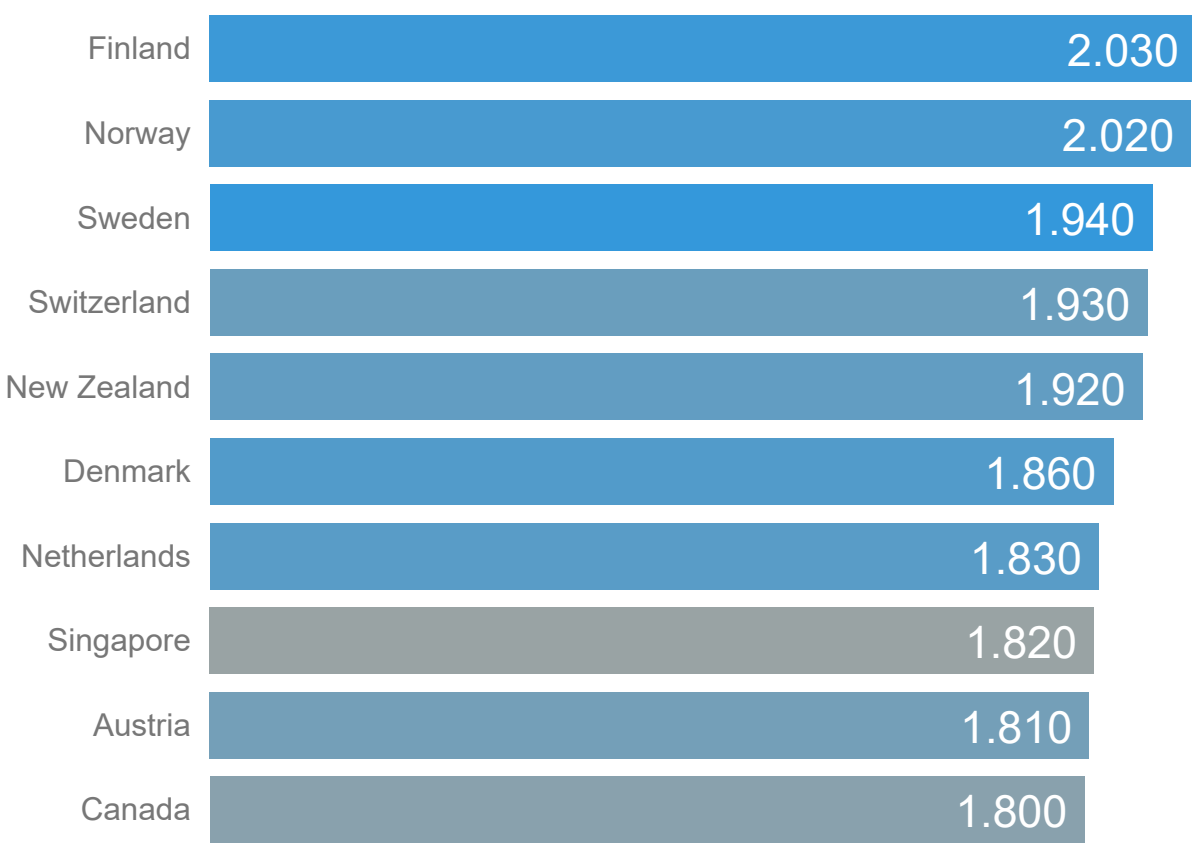
Top 10 countries with the highest level of accountability
New Zealand's government has the highest level of accountability in terms of Transparency and **Finland's** government has the highest level of accountability in terms of Rule of Law

Transparency: Government Integrity Score by Country

Country	Score
New Zealand	95.70
Norway	93.60
Suriname	92.90
Singapore	91.20
Finland	89.80
Netherlands	86.00
Denmark	84.10
Sweden	82.80
Japan	79.20
Ireland	79.00
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Rule of Law by Country

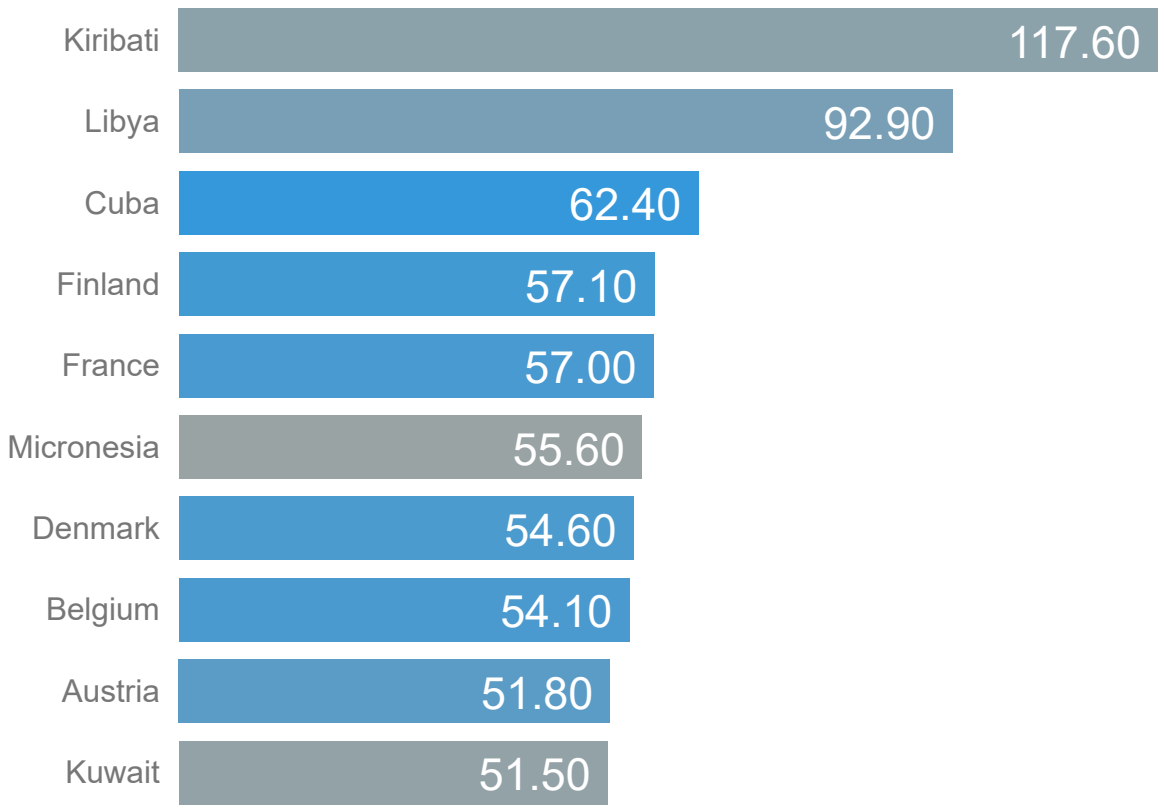| Country	Score
Finland	2.030
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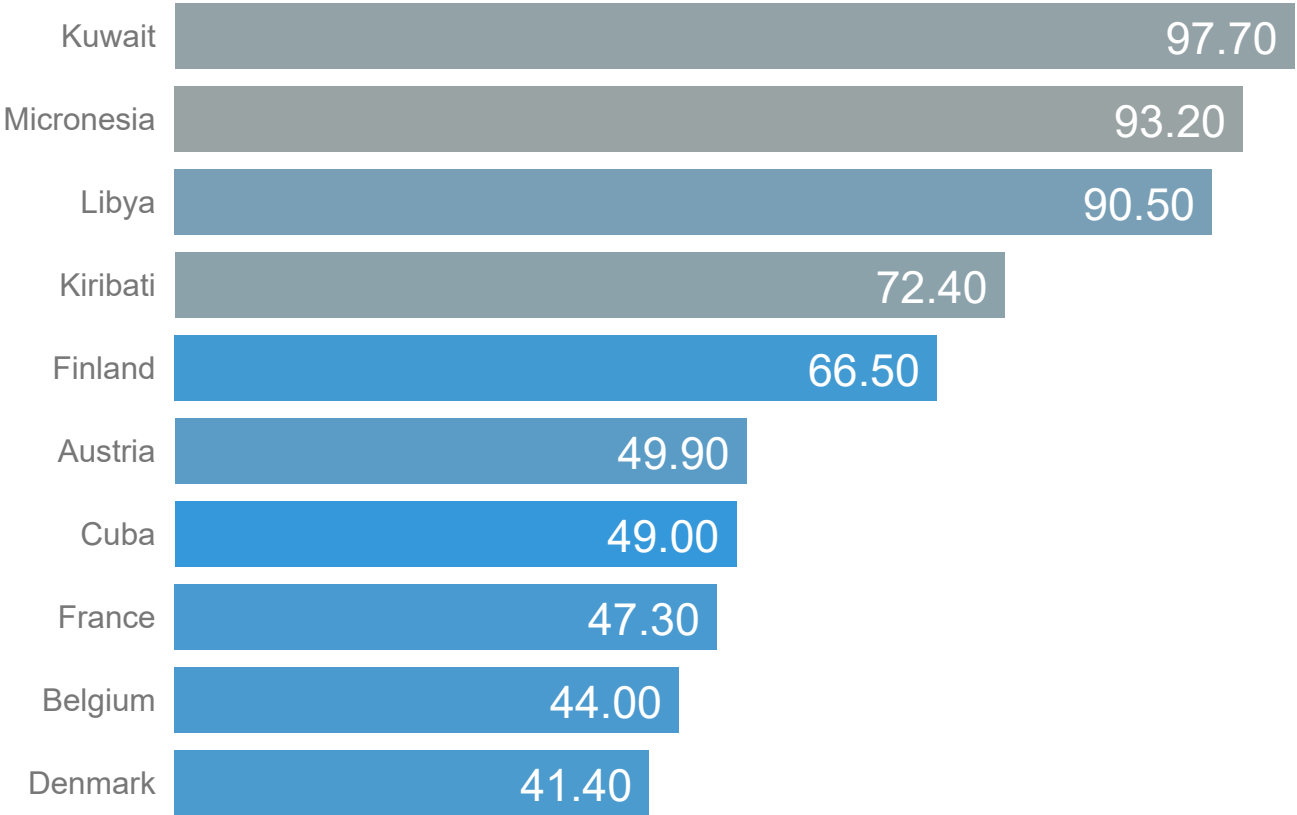8. **Accountability**: enforced with the best in Transparency & Rule of Law

Top 10 countries with the highest government expenditure (% of GDP) and tax burden score
With the highest tax burden score imposed by **Kuwait's** government, the government should increase its expenditure on the country

Government Expenditure (% of GDP) by Country

Country	Value
Kiribati	117.60
Libya	92.90
Cuba	62.40
Finland	57.10
France	57.00
Micronesia	55.60
Denmark	54.60
Belgium	54.10
Austria	51.80
Kuwait	51.50

Tax Burden Score by Country

Country	Value
Kuwait	97.70
Micronesia	93.20
Libya	90.50
Kiribati	72.40
Finland	66.50
Austria	49.90
Cuba	49.00
France	47.30
Belgium	44.00
Denmark	41.40

Data Source: Heritage Foundation.
https://www.heritage.org/index/explore

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9. **Strategic Vision**: government should spend on welfare benefits, pension, education & training and infrastructure investment for a better future

Conclusion: In terms of the 9 Characteristics of Good Governance, established by the United Nations Development Program (UNDP) in 1997, the following countries have the Best Governance, respectively. A holistic 'Good Government' should be established looking at these countries, for their leading governance in their respective characteristics
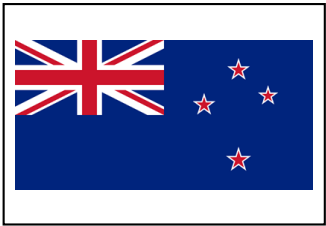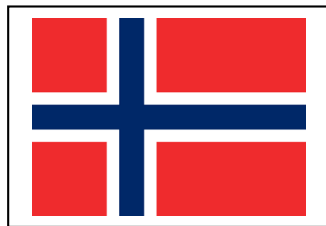
1. Participation: **Rwanda**
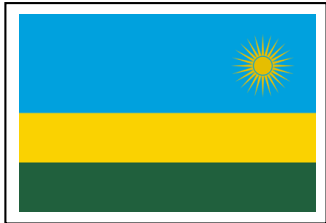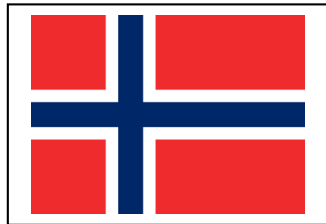
2. Rule of Law: **Finland**
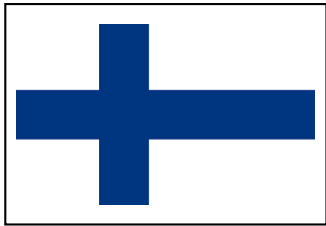
3. Transparency: **New Zealand**

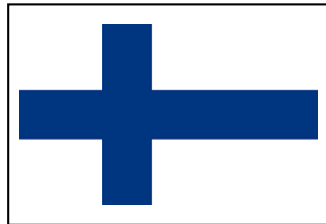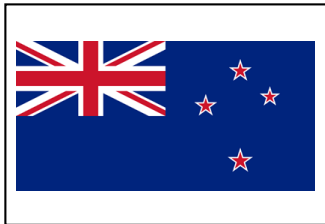4. Responsiveness: **Singapore**

5. Consensus Orientation: **Norway**

6. -------------------Equity:------------------------ **Norway** & **Singapore**

7. Effectiveness & Efficiency: **Liechtenstein**

8. -----------------Accountability:-------------------- **New Zealand** & **Finland**

9. Strategic Vision: **Kuwait** has highest potential

End of Storytelling with Government Data