



The Economic Complexity Index(ECI) captures the sophistication of a country's economy based on the diversity and uniqueness of its export basket. Diversity is related to the number of products that a country exports. Generally, the highest ECI values are around 2 to 3. Countries with such high scores, like Japan, Germany, or Switzerland, have very complex and diversified economies. The lowest ECI values are typically around -2 to -3. These scores are seen in countries with economies that are less diversified and more reliant on a narrow range of exports, often primary commodities, countries in the Sub-Saharan African.

The below map overview shows ECI in some African countries. Since our main focus and objective, this report is to focus on the sub-Saharan African countries. The countries highlighted in shades of red and blue indicated sub-Saharan African countries with ECI. The countries, indicated in white like Tunisia and Morocco are not sub-Saharan African countries but data was provided in the raw dataset. The countries in black, indicate countries we not focusing on. Also, note that the sub-Saharan consists of 46 countries. However, we only have data for 28 of these sub-Saharan countries. excluding 2 non-sub-Saharan African countries.

The red and blue shades indicates ECI where red represents low and blue represents high ECI

Country Name

All

Region

All

Time Period (1995-2018)

All

IncomeCategory

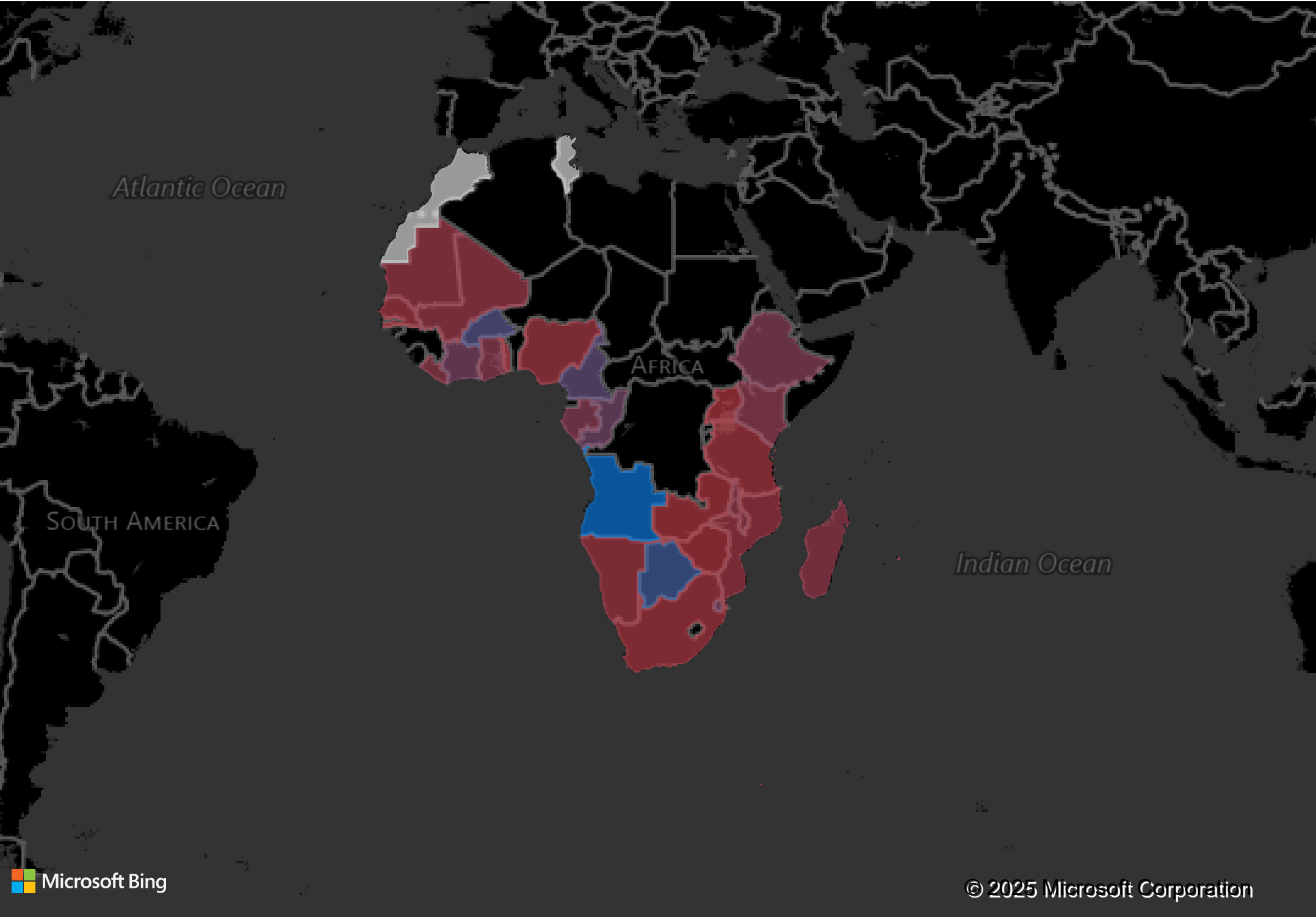
All

ECI

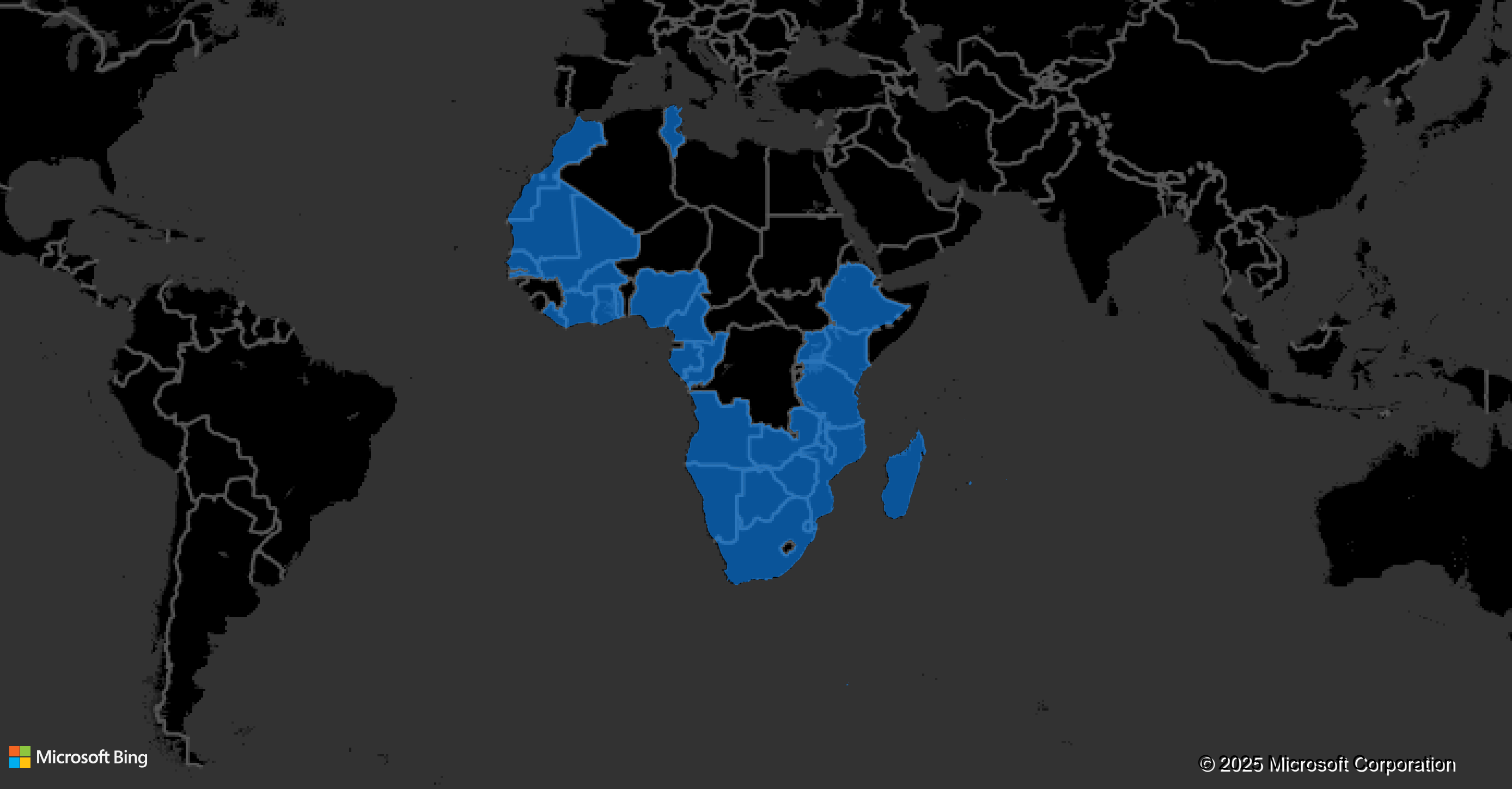
-2.31

-0.88

Normalised ECI Overview



Country Name



Since analyzing each country will take a lot of time, the below visual and tables show how ECI progresses over time and which countries have the highest or lowest ECI. We analyze the ECI in each country to find the minimum and maximum ECI as this will show us which countries have a low or high ECI. The results, show countries with the highest ECI from (1995-2018) are Angola(9.38), Botswana(5.85), Burkina Faso(5.14), Cameroon(4.63), and Congo Dem. Rep(4.24). The bottom 5 countries by EC are Togo(0.55), **Tunisia**(0.53), Uganda(0.51), Zambia(0.50) and Zimbabwe(0.49). The line chart shows the ECI by country across the years (1995-2018), illustrating the progression of ECI.

Country Name

Region

Time Period (1995-2018)

IncomeCategory

ECI Table Overview

Country Name	Time	ECI
Angola	1995	-2.04
Angola	1996	-2.31
Angola	1997	-1.78
Angola	1998	-1.86
Angola	1999	-1.68
Angola	2000	-1.89
Angola	2001	-2.12
Angola	2002	-1.84
Angola	2003	-1.76
Angola	2004	-0.88
Angola	2005	-1.87
Angola	2006	-2.20
Angola	2007	-1.79
Angola	2008	-1.88
Angola	2009	-1.59
Angola	2010	-1.61
Angola	2011	-1.60
Angola	2012	-1.61
Angola	2013	-1.28
Angola	2014	-1.55
Angola	2015	-1.25
Angola	2016	-1.16

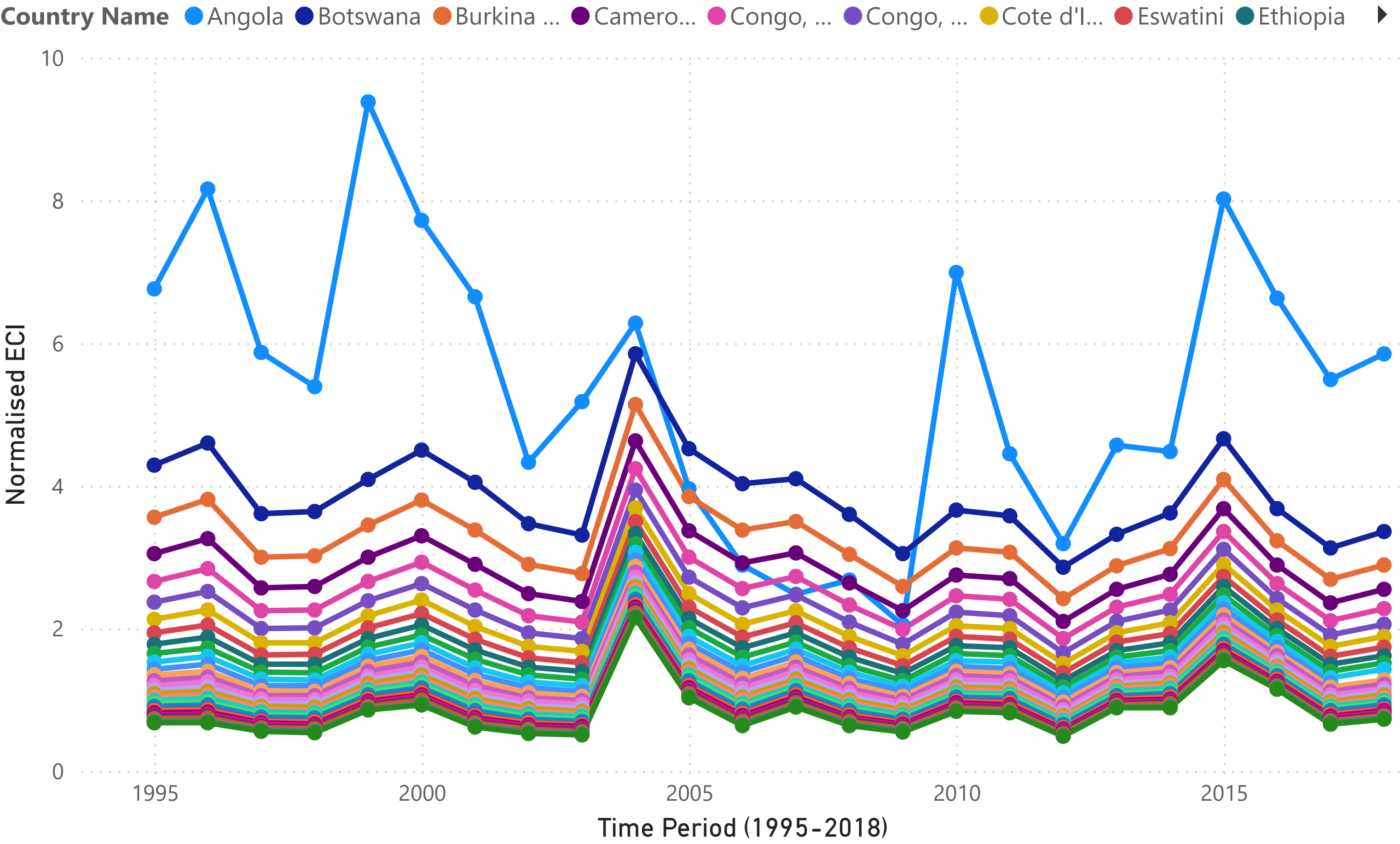
Top 5 Countries by ECI

Country Name	Max ECI
Angola	9.38
Botswana	5.85
Burkina Faso	5.14
Cameroon	4.63
Congo, Dem. Rep.	4.24

Bottom 5 Countries by ECI

Country Name	Min ECI
Togo	0.55
Tunisia	0.53
Uganda	0.51
Zambia	0.50
Zimbabwe	0.49

Normalised ECI over Time Period (1995-2018)



To analyze the impact of the Economic Complexity Index (ECI) on future economic growth we calculated the growth rate on the following dependent variables, country population, GDP, GDP per capita and ECI across the tim period 1995-2018. The below table shows an overview of the annual growth rate across the variables by countries. Also, the line graph illustrates the growth been GDP and ECI, to see if higher GDP influences Higher ECI score.

Country Name

All

Region

All

Time Period (1995-2018)

All

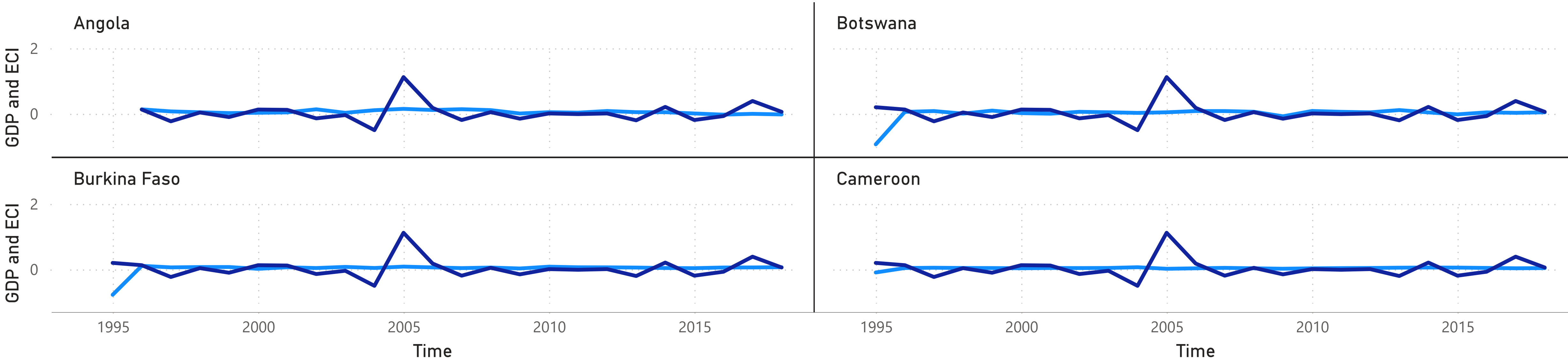
IncomeCategory

All

Annual Growth of Population, GDP, GDP per capita and ECI by Country

Time	1995				1996				1997				1998				1999			
Country Name	Population	GDP	GDP per Capita	ECI	Population	GDP	GDP per Capita	ECI	Population	GDP	GDP per Capita	ECI	Population	GDP	GDP per Capita	ECI	Population	GDP	GDP per Capita	ECI
Angola	0.03				0.03	0.14	0.10	0.13	0.03	0.07	0.04	-0.23	0.03	0.05	0.01	0.04	0.03			
Botswana	0.02	-0.93		0.20	0.02	0.06	0.03	0.13	0.02	0.08	0.06	-0.23	0.02	0.00	-0.02	0.04	0.02			
Burkina Faso	0.03	-0.77		0.20	0.03	0.11	0.08	0.13	0.03	0.06	0.03	-0.23	0.03	0.07	0.04	0.04	0.03			
Total	0.72	-1.80		5.60	0.72	1.80	1.05	3.90	0.71	1.07	0.35	-6.90	0.70	0.96	0.26	1.20	0.82			

Annual Growth of ECI and GDP





Country Name

All

▼

Time

All

▼

Sum of GDP per capita (constant 2010 US\$) and First Country Name by Country Name and Normlised ECI

Country Name Angola Botswana Burkina ... Camero... Congo, ... Congo, ... Cote d'I... Eswatini Ethiopia Gabon Ghana Kenya Liberia Madaga... Malawi Mali ▶

