

6.41K

StdDev\_Contribution\_NonRen...

1.74K

Median\_Contribution\_...

Energy Consumption & Renewable  
Power Insights

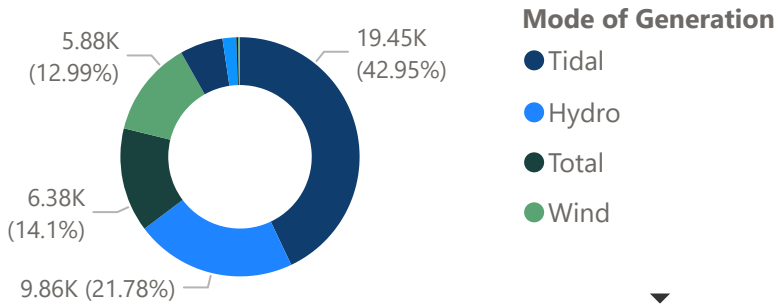
38.90K

Sum\_Contribution\_Non...

41.09M

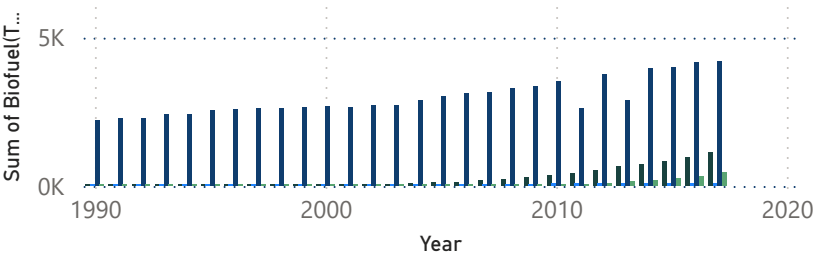
Variance\_Contribution\_...

Sum of Contribution (TWh) by Mode of Generation

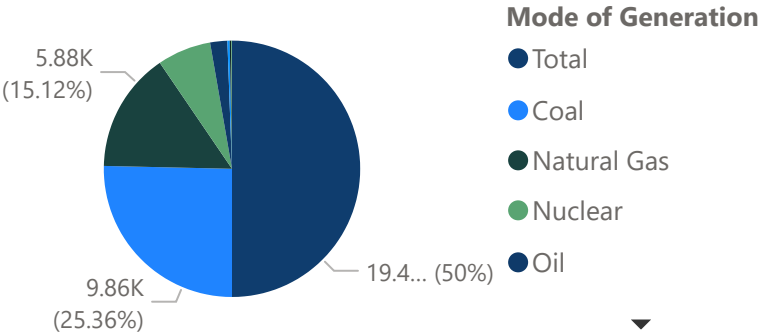


Renewable Generation 1997-2017

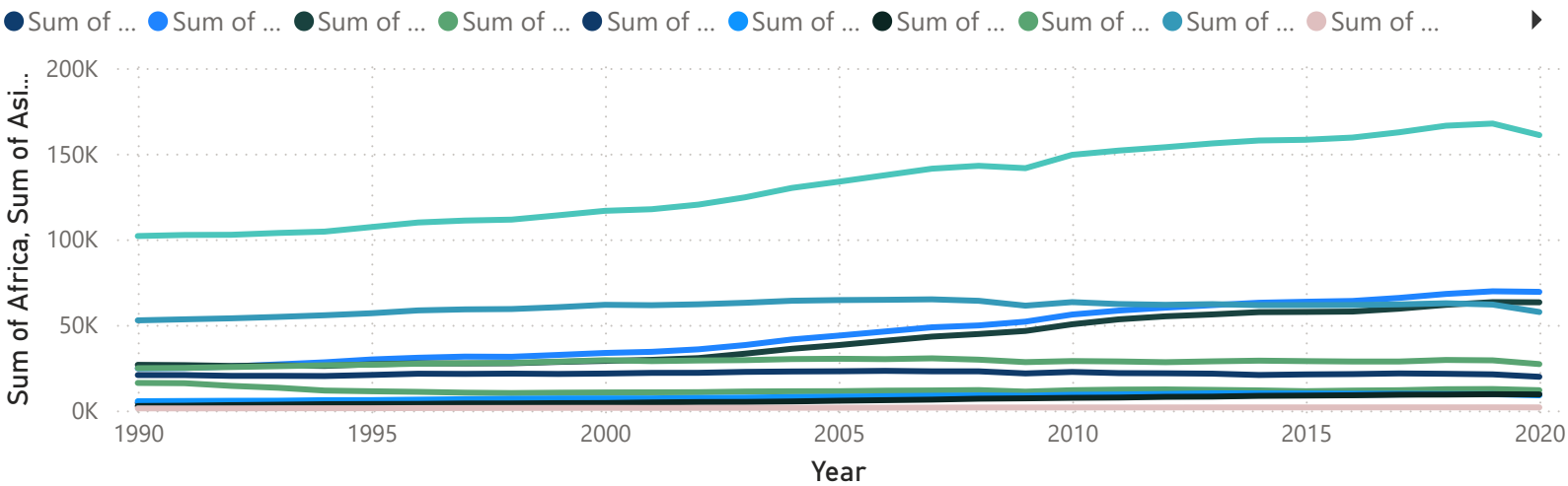
Sum of Biofuel(...) Sum of Geoth... Sum of Hydr... Sum of Sol...



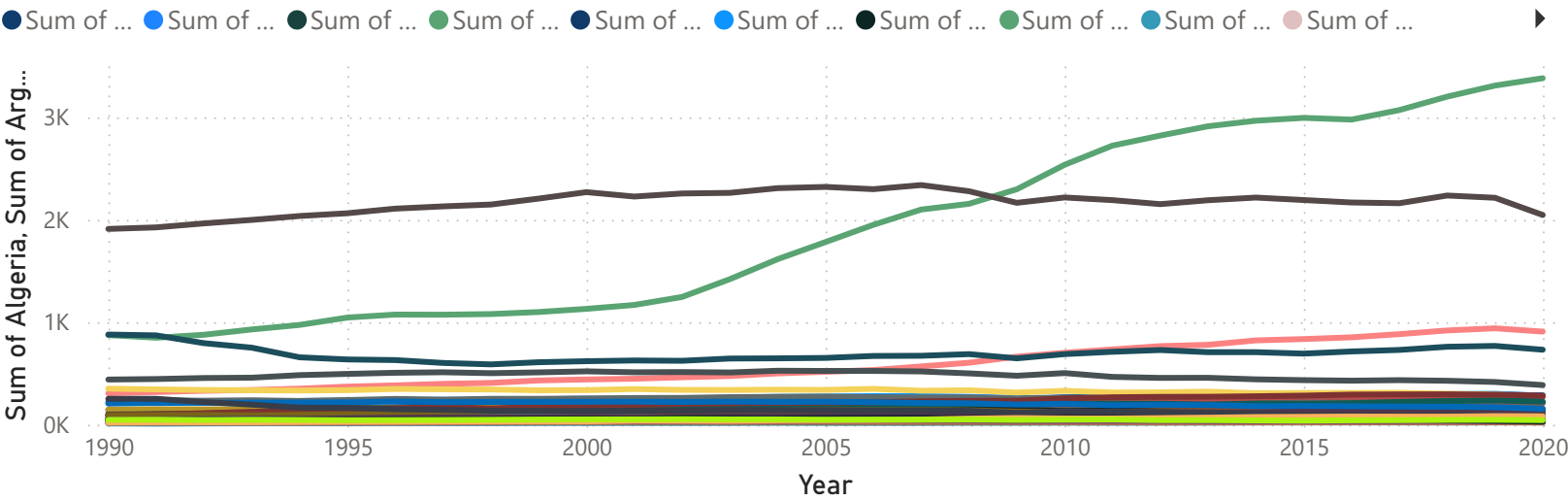
Sum of Contribution (TWh) by Mode of Generation



Electricity Consumption Trends by Continent



Electricity Consumption Trends by Country



## Global Energy Consumption and Renewable Trends: Insights Report

- Asia leads in overall energy consumption, with China remaining the top consumer globally. Hydro power has shown consistent growth over the last three decades, reinforcing its role as a key renewable source.
- Among renewables, **Tidal Energy** dominates with **42.95%**, while **Coal** leads non-renewables at **50.72%**. Across the **Top 20 countries**, total energy consumption (TWh) varies from **12.40 to 1,819.94**.
- A positive correlation exists between **Biofuel** and **Geothermal Energy**. Over **28 years**, Biofuel increased from **3.88 TWh** to **1,127.31 TWh**, Geothermal from **36.42 TWh** to **85.34 TWh**, and Hydro from **2,191.67 TWh** to **4,197.29 TWh**.

1.60K 83.28K

Sum of Geothermal (TWh) Sum of Hydro(TWh)

6.86K 1.61K

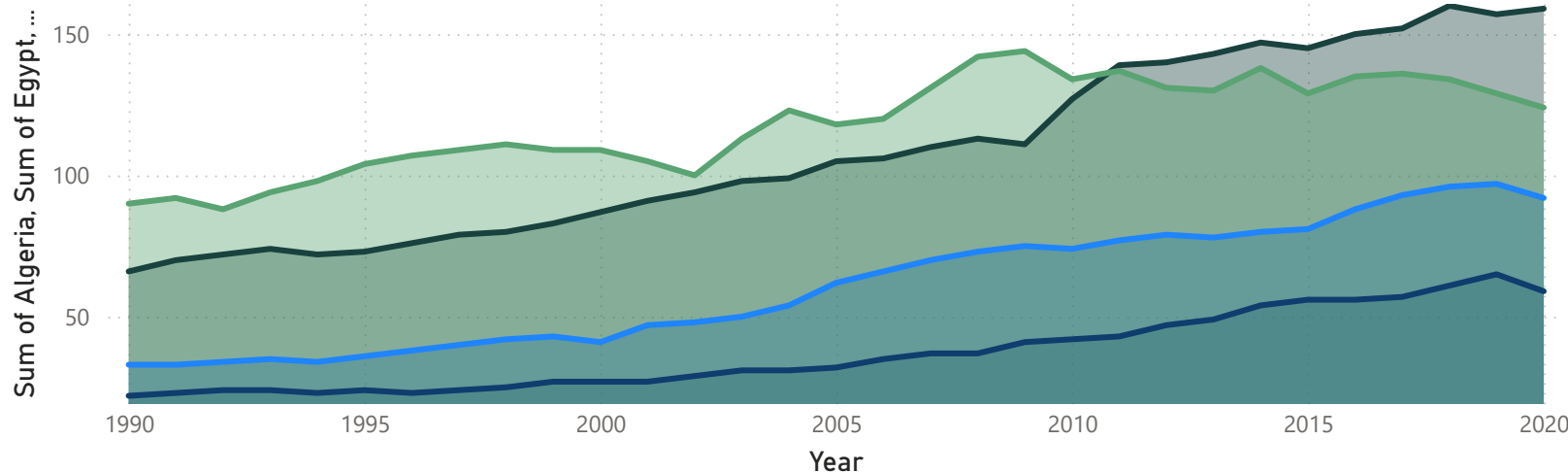
Sum of Biofuel(TWh) Sum of Solar PV (TWh)

1.02M 231.17K

Avg\_Consumption Country Avg Consumption

Sum of Algeria, Sum of Egypt, Sum of Nigeria and Sum of South Africa by Year

● Sum of Algeria ● Sum of Egypt ● Sum of Nigeria ● Sum of South Africa



Sum of CIS, Sum of BRICS and Sum of OECD

● Sum of CIS ● Sum of BRICS ● Sum of OECD

