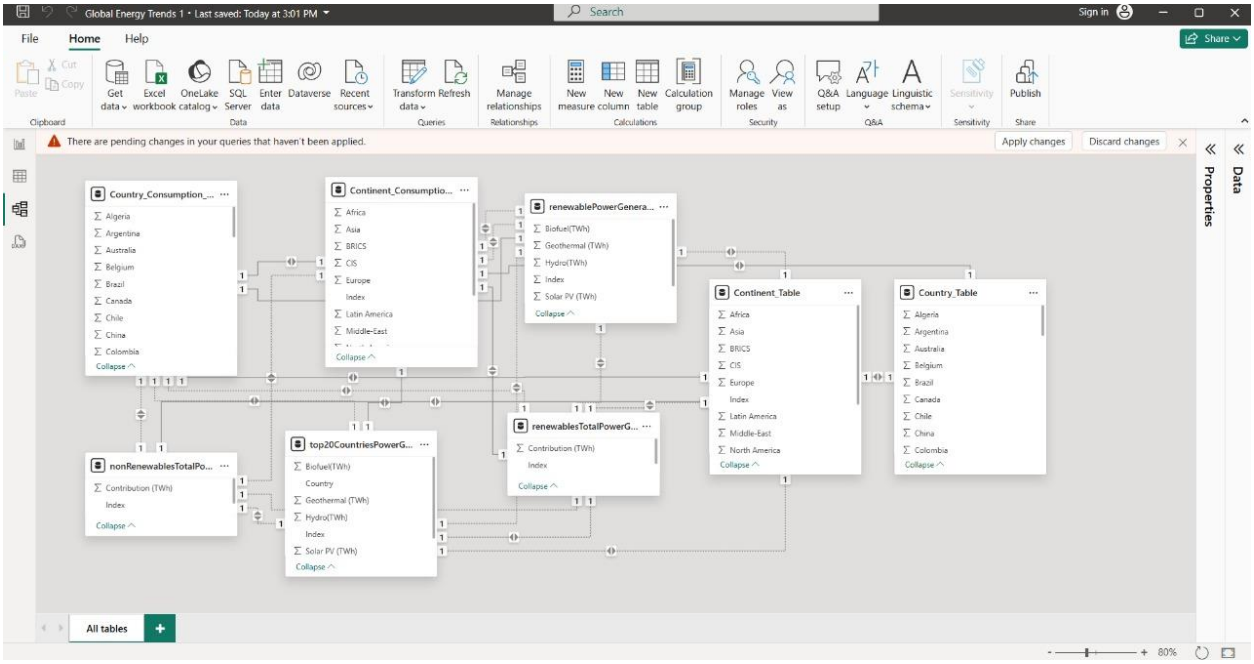
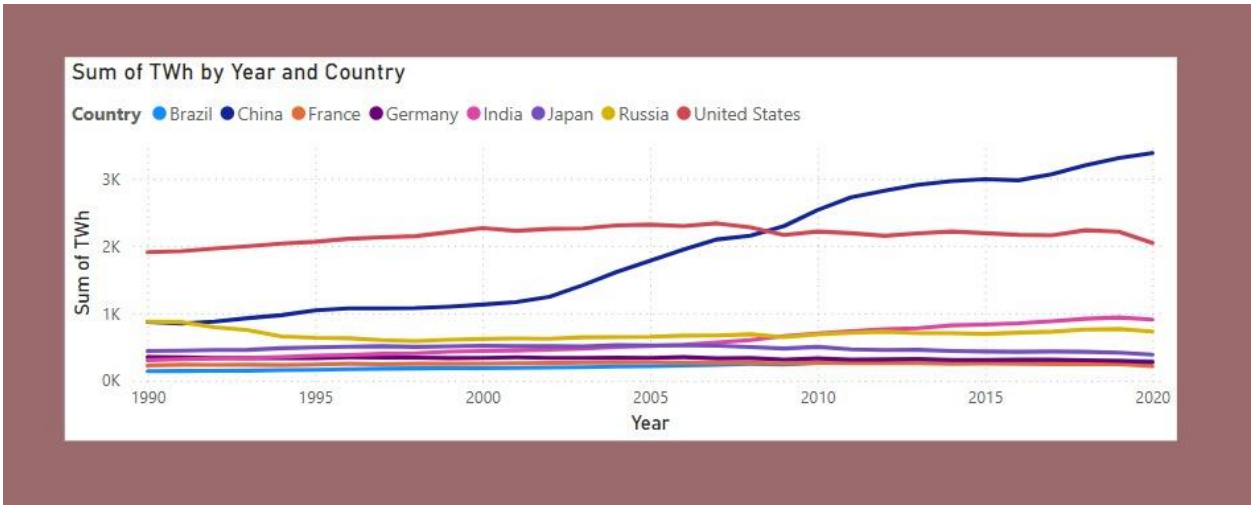
1] Data Transformation



2] Number of unique visualizations

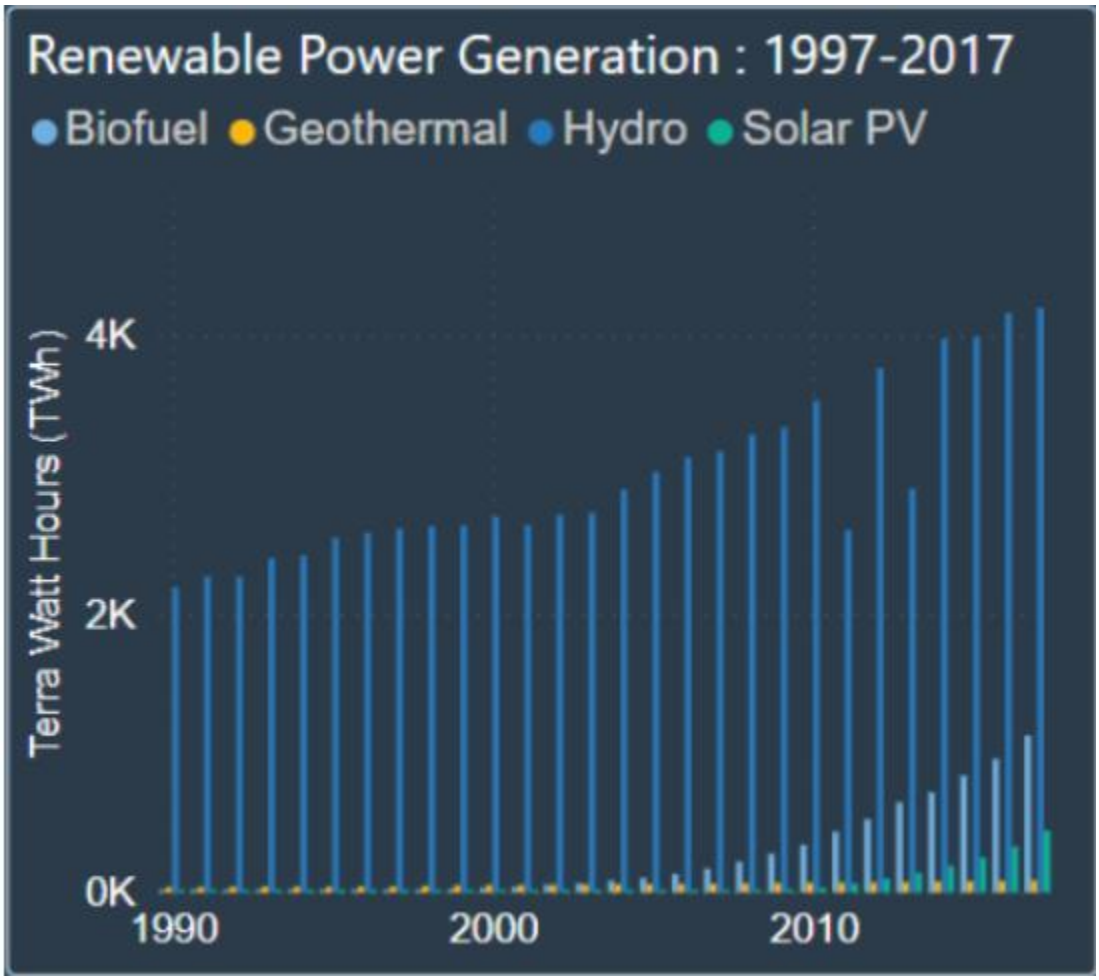
***Line chat*:**



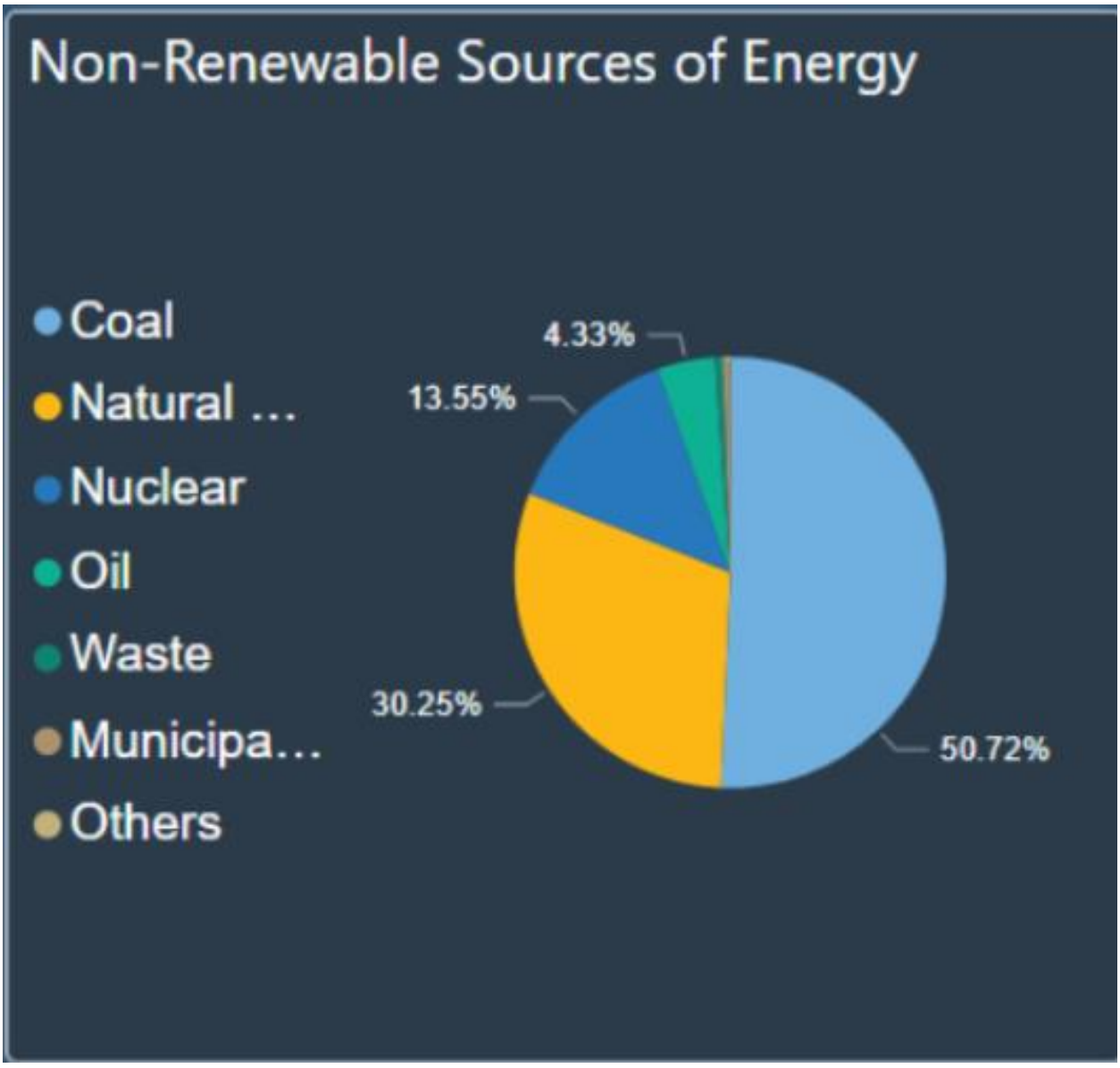
card

1.02K	396.56	53.35	3.04K
Sum of Biofuel(TWh)	Sum of Solar PV (TWh)	Sum of Geothermal (TWh)	Sum of Hydro(TWh)

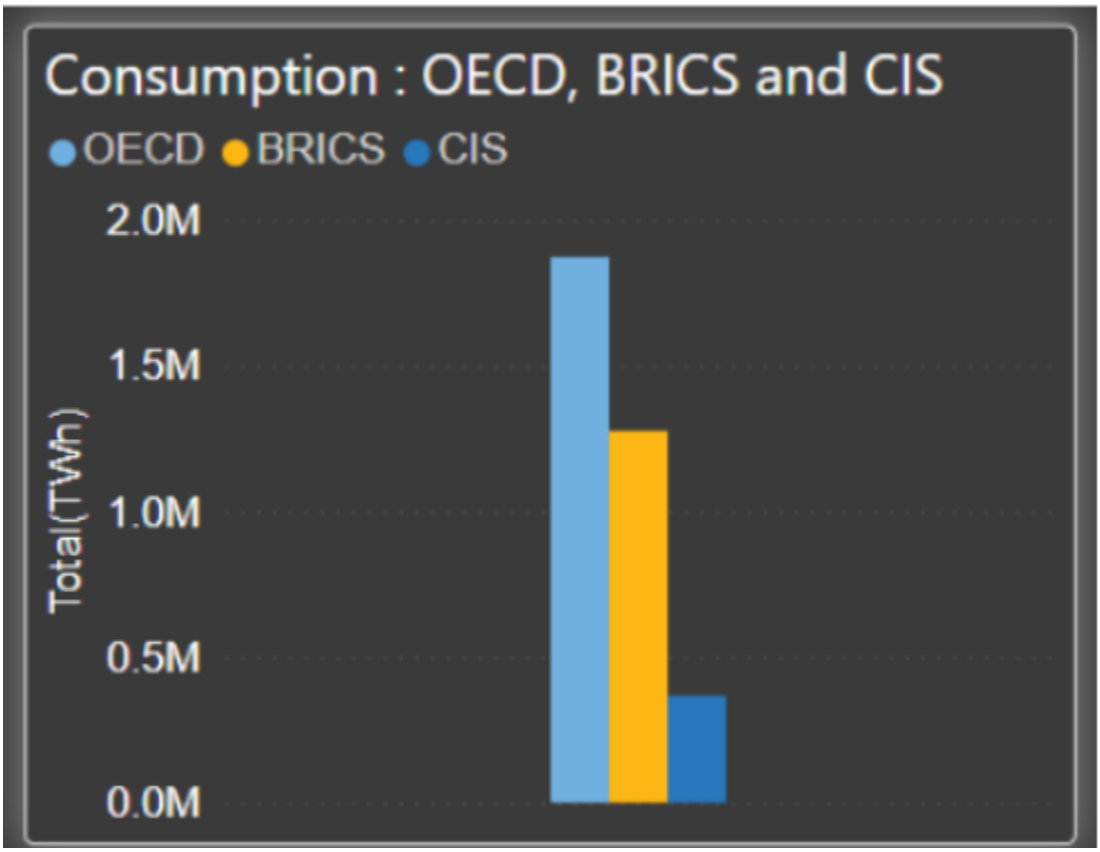
Clustered Column Chart



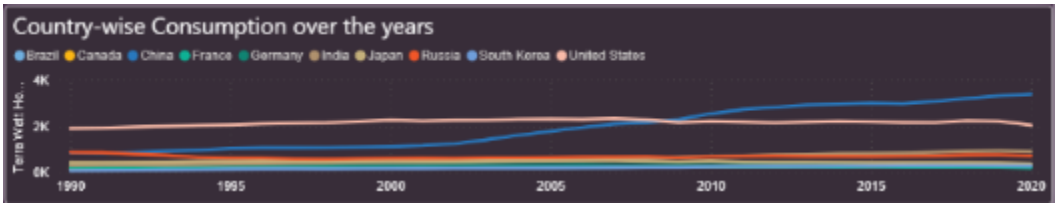
Pie Chat


Non-Renewable Sources of Energy
Coal
Natural …
Nuclear
Oil
Waste
Municipa…
Others
4.33%
13.55%
30.25%
50.72%

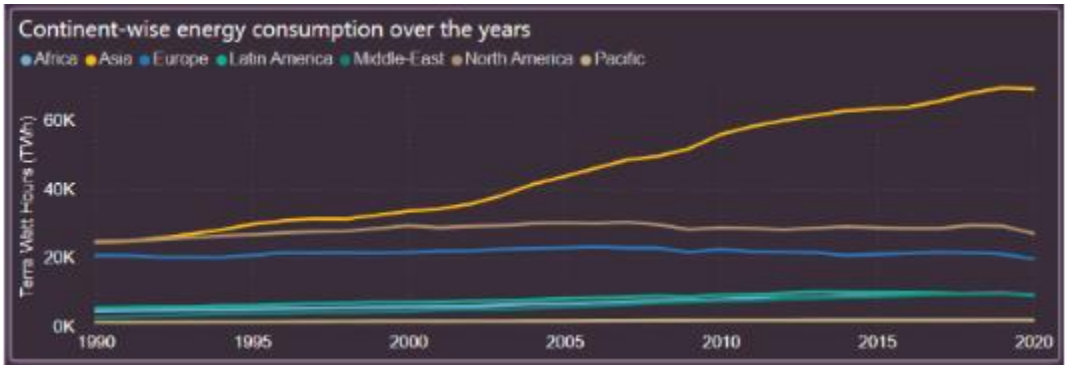
Clustered Column Chart



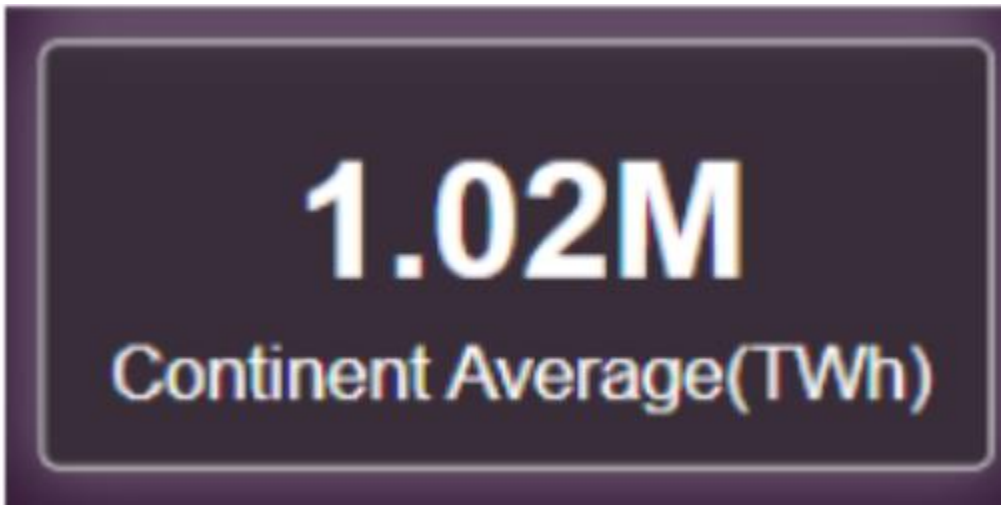
3] Country wise consumption



4] Continent Consumption

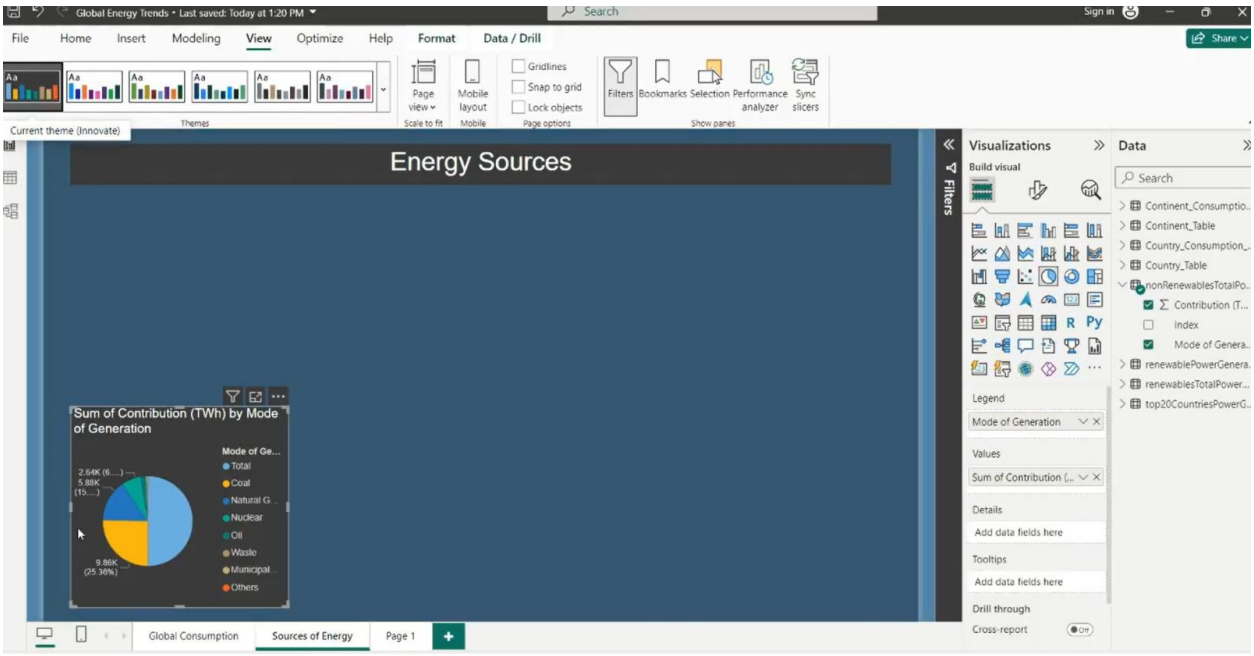


5] Continent Average

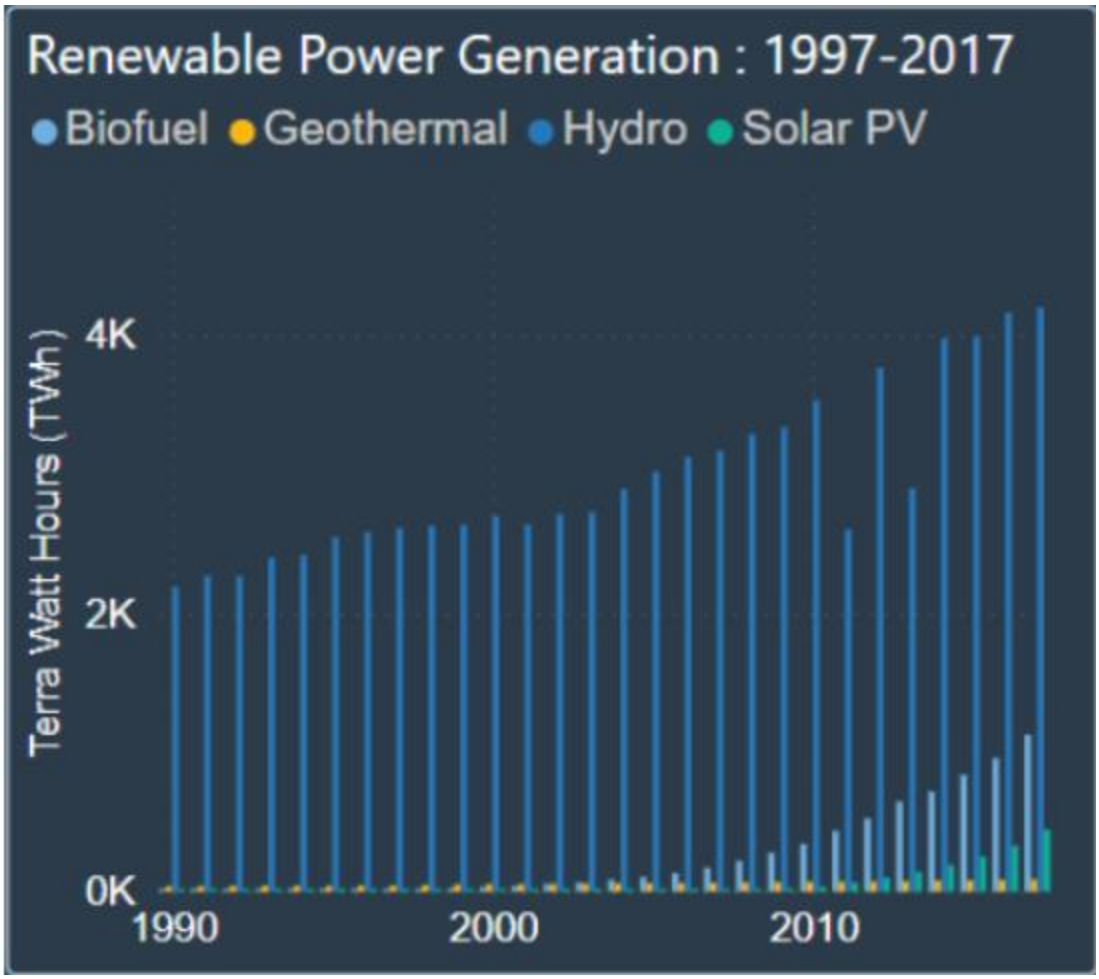


6] Country Average

7] Non-Renewable Sources

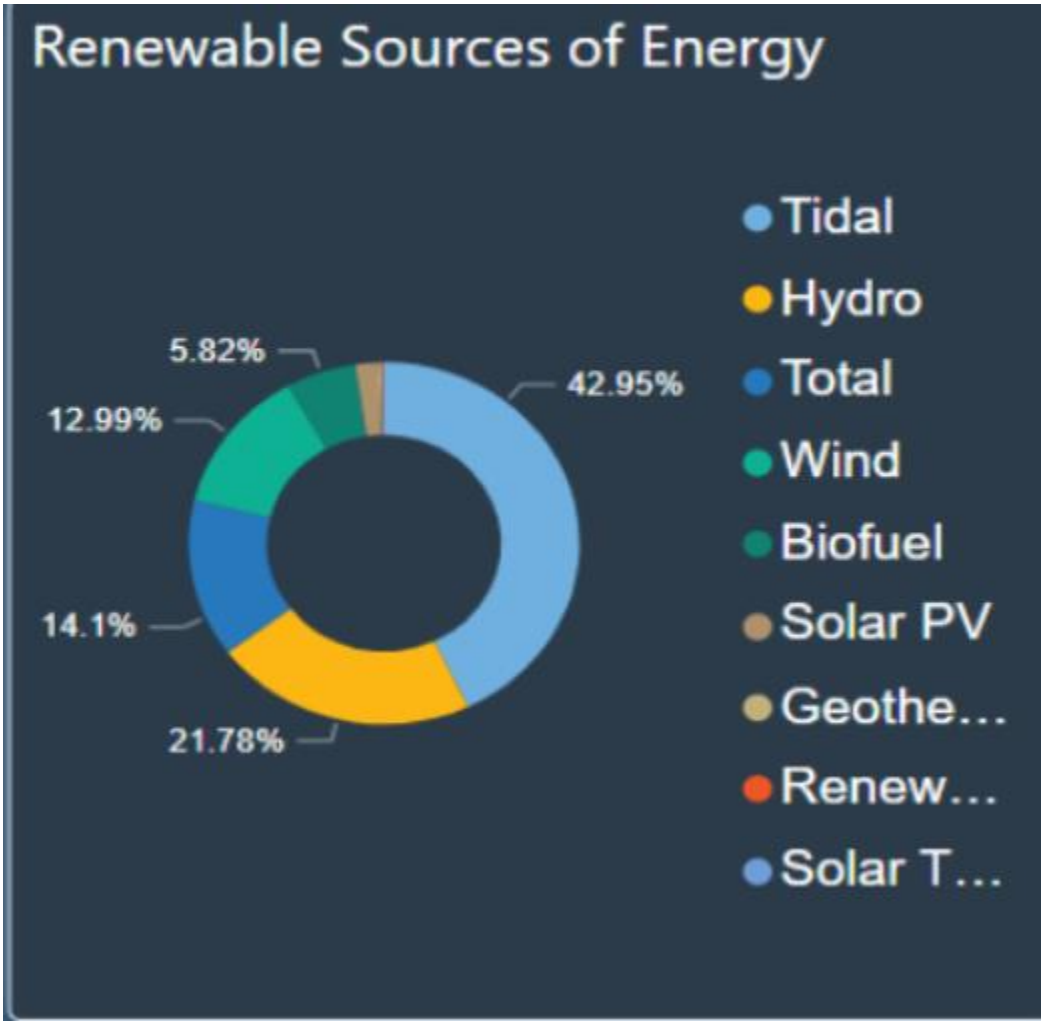


8] Renewable Generation 1997-2017

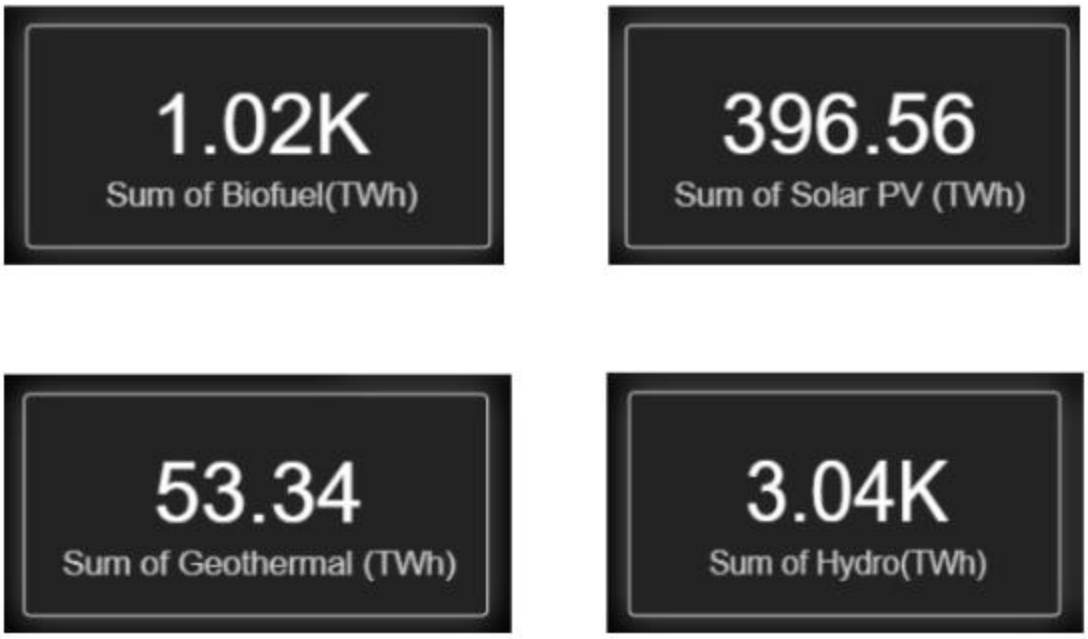

Renewable Power Generation : 1997-2017
Biofuel
Geothermal
Hydro
Solar PV
Terra Watt Hours (TWh)
4K
2K
0K
1990
2000
2010

9] Cards- Sum, Median, Standard Deviation and Variance of Contribution

10] Renewable Sources



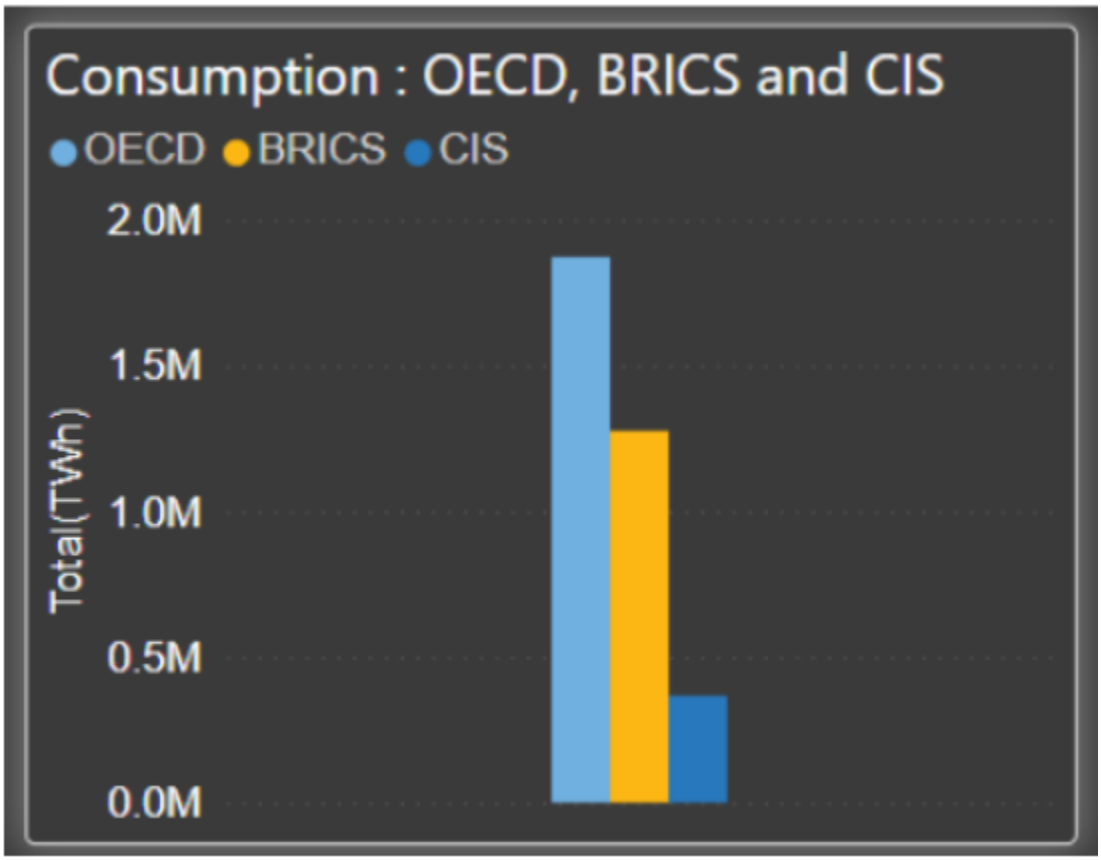
11] Cards - Geothermal, Biofuel, Hydro and Solar PV



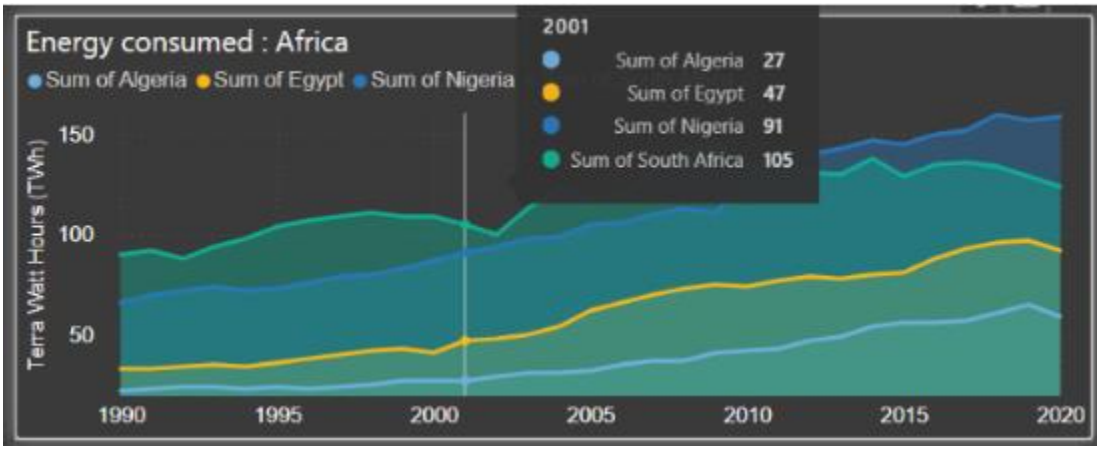
12] Report Narrative

- The continent with the highest overall energy consumption is Asia, and China continues to be the top consumer of power among all the countries.
- Hydro electricity has been steadily rising over the last 3 decades and continues to be a promising renewable source.
- Tidal energy takes up a major share of renewable energy with 42.95% and coal is the at the top of non-renewable energy with 50.72%.
- Across the Top 20 countries, the Sum of Total (TWh) ranged from 12.40 to 1,819.94.
- Biofuel and total Geothermal energy are positively correlated with each other.
- In a span of 28 years, Biofuel ranged from 3.88(TWh) to 1,127.31(TWh), Geothermal ranged from 36.42(TWh) to 85.34(TWh), and Hydro ranged from 2,191.67(TWh) to 4,197.29(TWh).

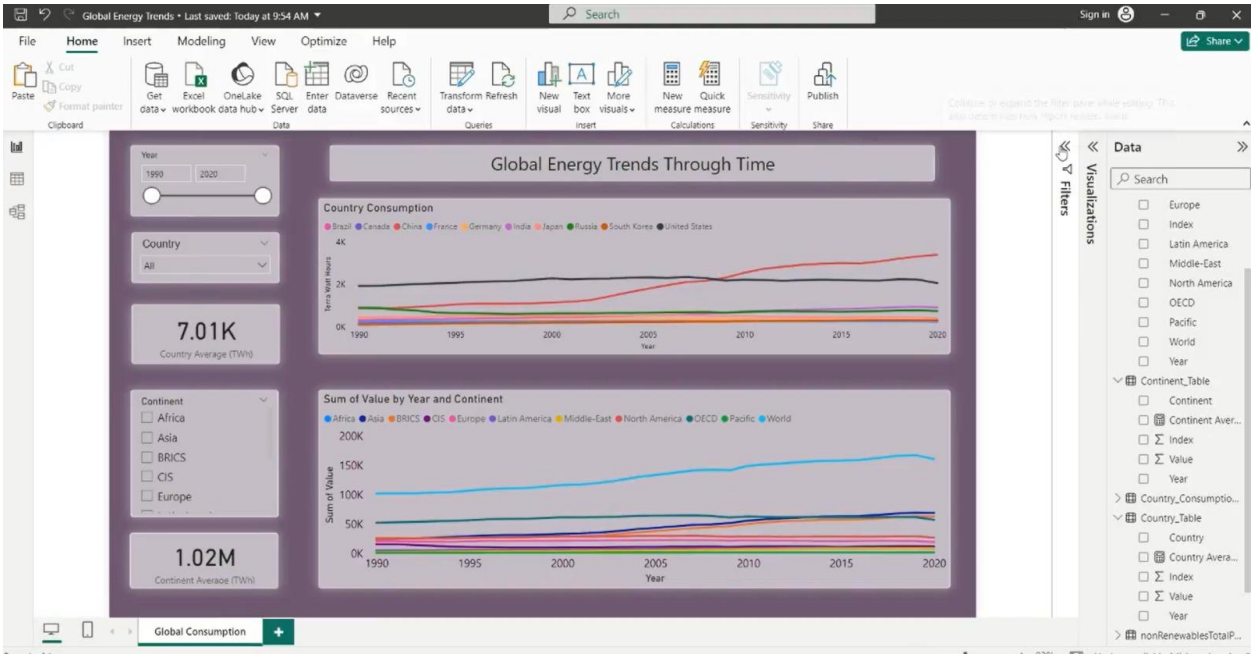
13] BRICS, OECD and CIS

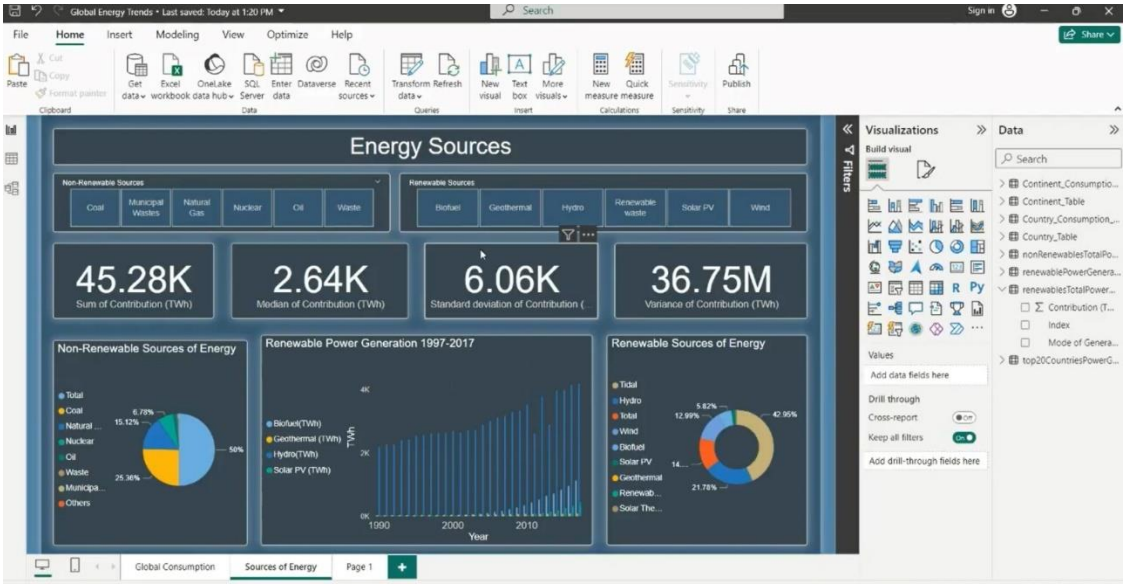


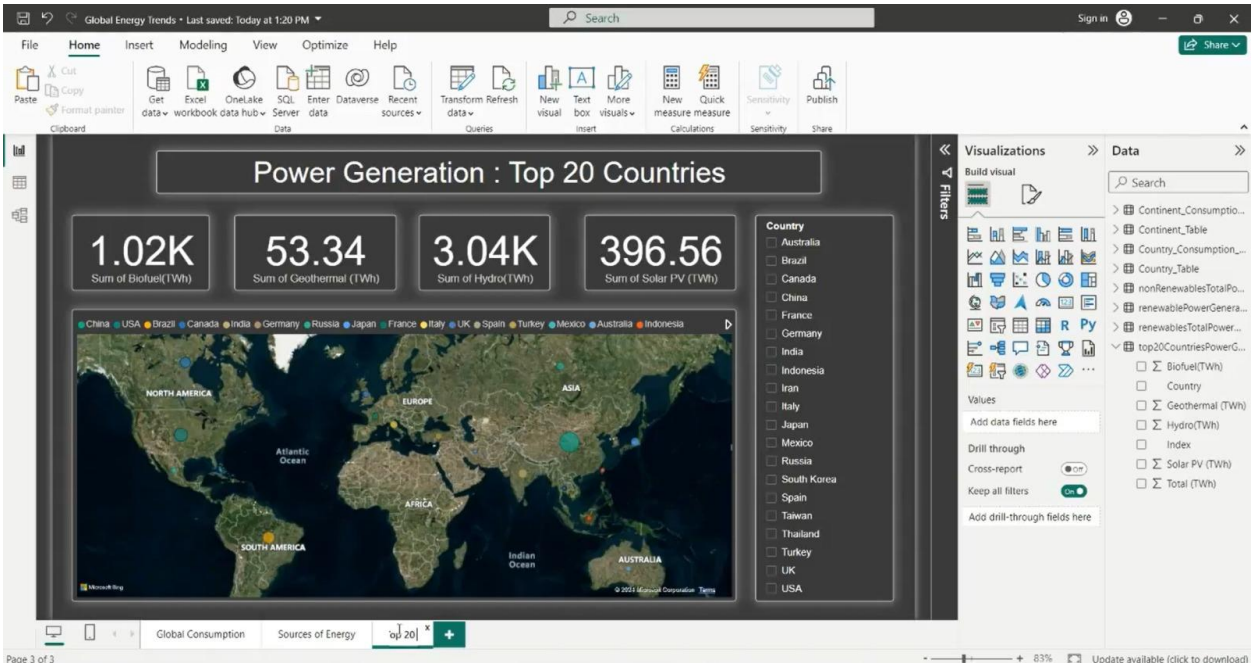
14] Energy Consumption in Africa



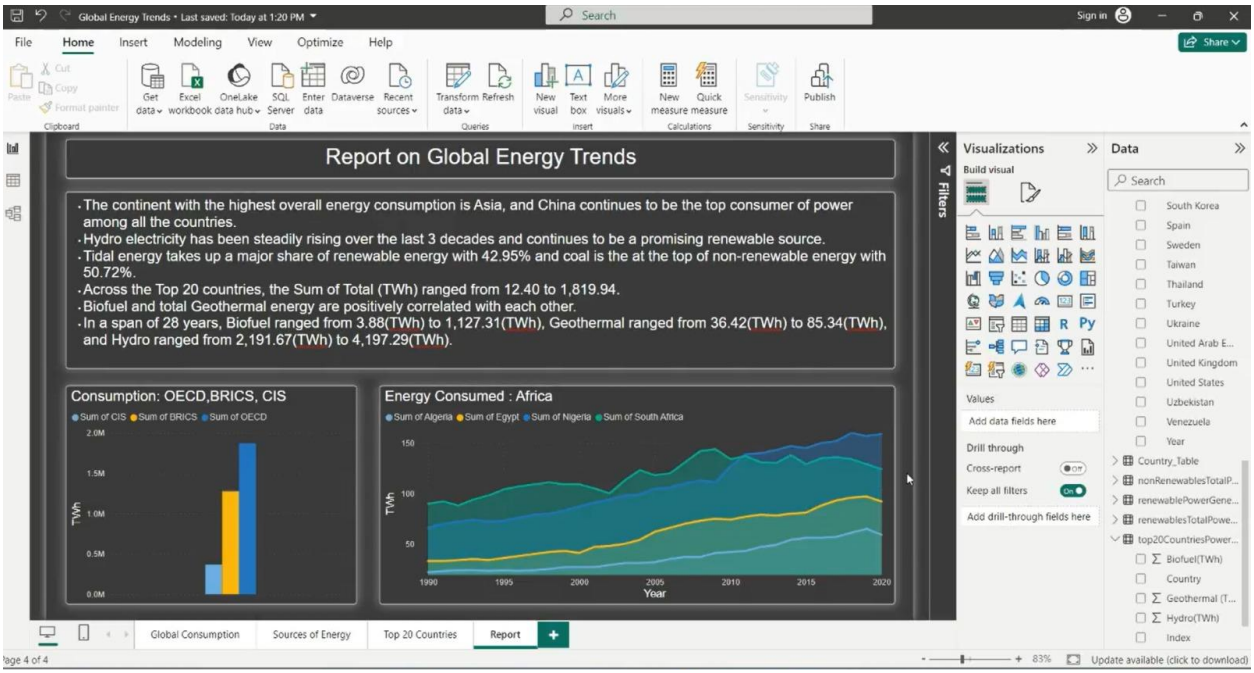
15] Dashboard

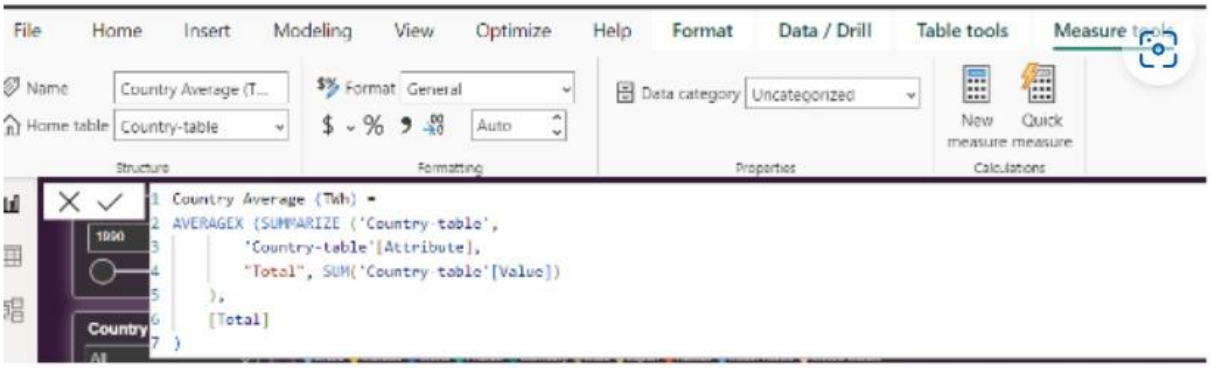
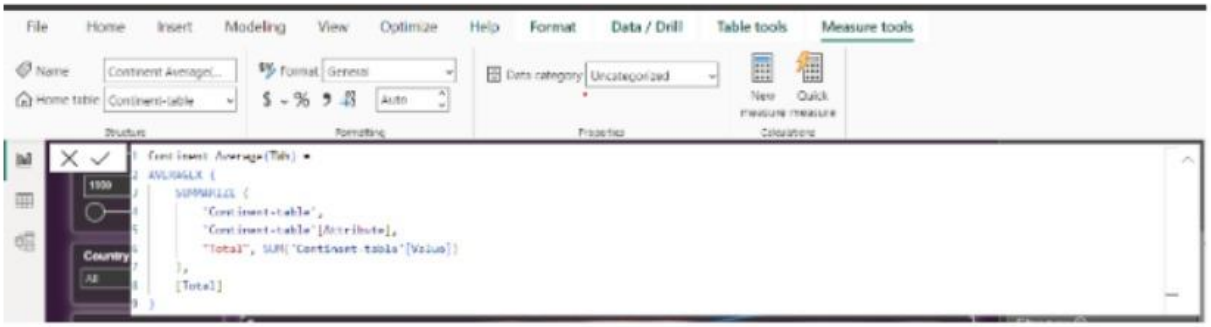






16] Design of Report



17] Application of Data Filters

18] Use of Measures/Calculated Columns