**Insights and Ways to tackle Problem of Global Carbon emission**

**1) Few Countries Dominate Global Emissions (From “Top 10 Emitters” plot):**

* United States and China are the top emitters, followed by Russia, Germany, Japan and India.
* To tackle this problem, International treaties focused on high-emission countries can be implemented.

**2) Long-Term Growth in CO₂ Emissions (From “CO2 emission over years” plot):**

* CO₂ emissions have risen sharply since the 1950, indicating industrial growth.
* To tackle this problem, renewable energy sources (wind, solar) should be encouraged for electricity production.

**3) Fossil Fuel overuse with time (From “Per capita Emissions trend” plot):**

* Per capita emissions show fossil fuels like coal, oil as the largest contributors.
* To tackle this problem, Electric vehicles can be introduced to reduce fossil fuel dependency.

**4) CO₂ Emissions Vary by Source Across Countries:**

* Countries like China and India rely heavily on coal while the U.S. and Russia have a mix of oil, gas, and land use emissions**.**
* To tackle this problem, each country needs its own plan based on major pollutant.

**5) Coal is the Biggest CO₂ Source (From % share by CO2 source):**

* Coal accounts for nearly 50% of CO₂ emissions which is highly dangerous for environment
* To tackle this, Shut down old coal power plants to produce electricity. Use wind, solar, and hydro power instead.