

**RAYALASEEMA UNIVERSITY  
KURNOOL  
SRI SANKARAS DEGREE COLLEGE**

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# UNEARTHING THE ENVIRONMENTAL IMPACT OF HUMAN ACTIVITY

A global CO<sub>2</sub> emission analysis

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# **Project title ; unearthing the environmental impact of human activity**

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# Unearthing the environmental impact of human activity

**Climate Change:** Human activities such as burning fossil fuels, deforestation, and industrial processes release greenhouse gases like carbon dioxide (CO<sub>2</sub>) into the atmosphere, leading to global warming and climate change.

**Land Degradation:** Soil erosion, desertification, and land pollution from industrial activities and improper waste disposal degrade land quality, reducing its productivity and biodiversity.

**Resource Depletion:** Unsustainable extraction of resources such as fossil fuels, minerals, and freshwater leads to depletion and exacerbates environmental degradation.

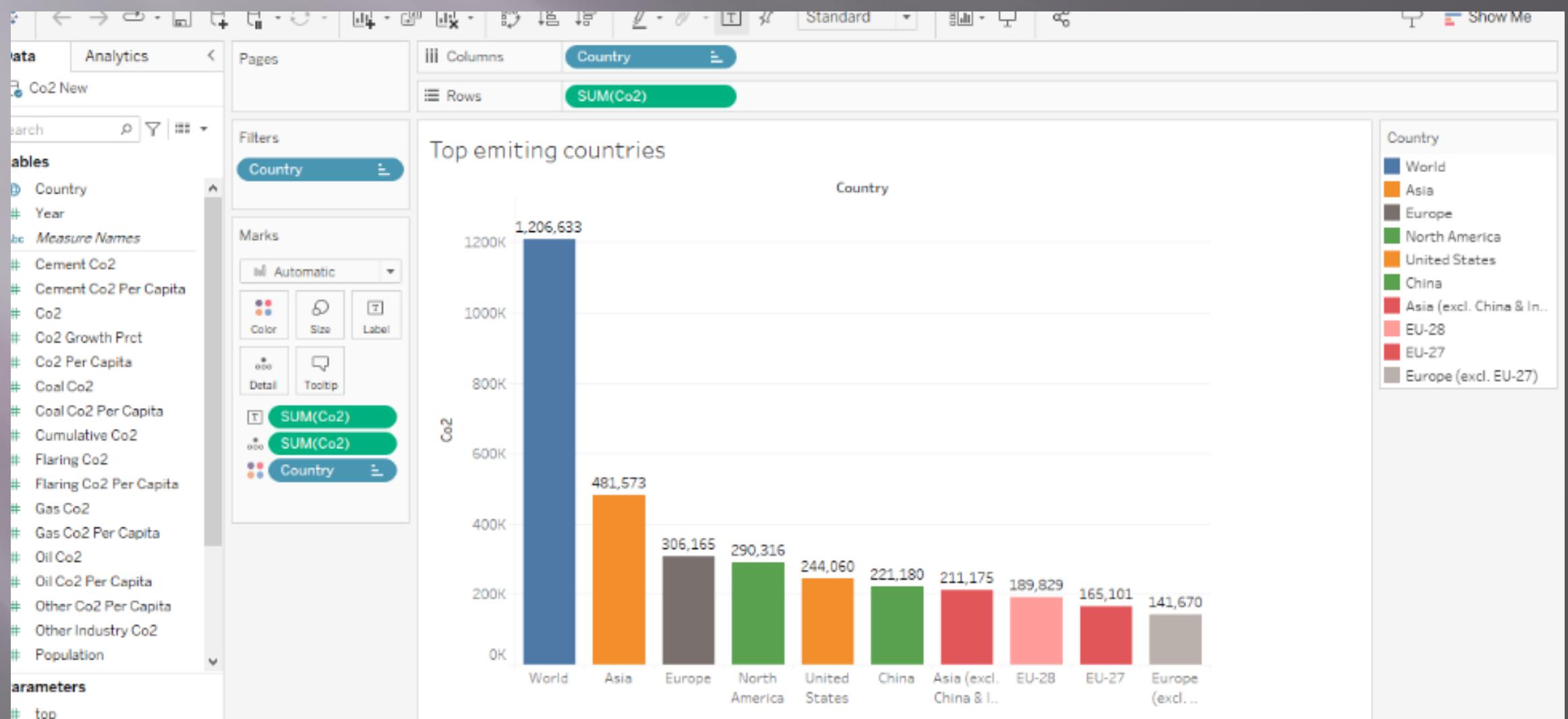
# A global CO<sub>2</sub> emission analysis

**Impact on Climate Change:** CO<sub>2</sub> is a major greenhouse gas responsible for trapping heat in the Earth's atmosphere, leading to global warming and climate change. The accumulation of CO<sub>2</sub> and other greenhouse gases in the atmosphere is driving changes in weather patterns, rising temperatures, melting ice caps, and sea-level rise.

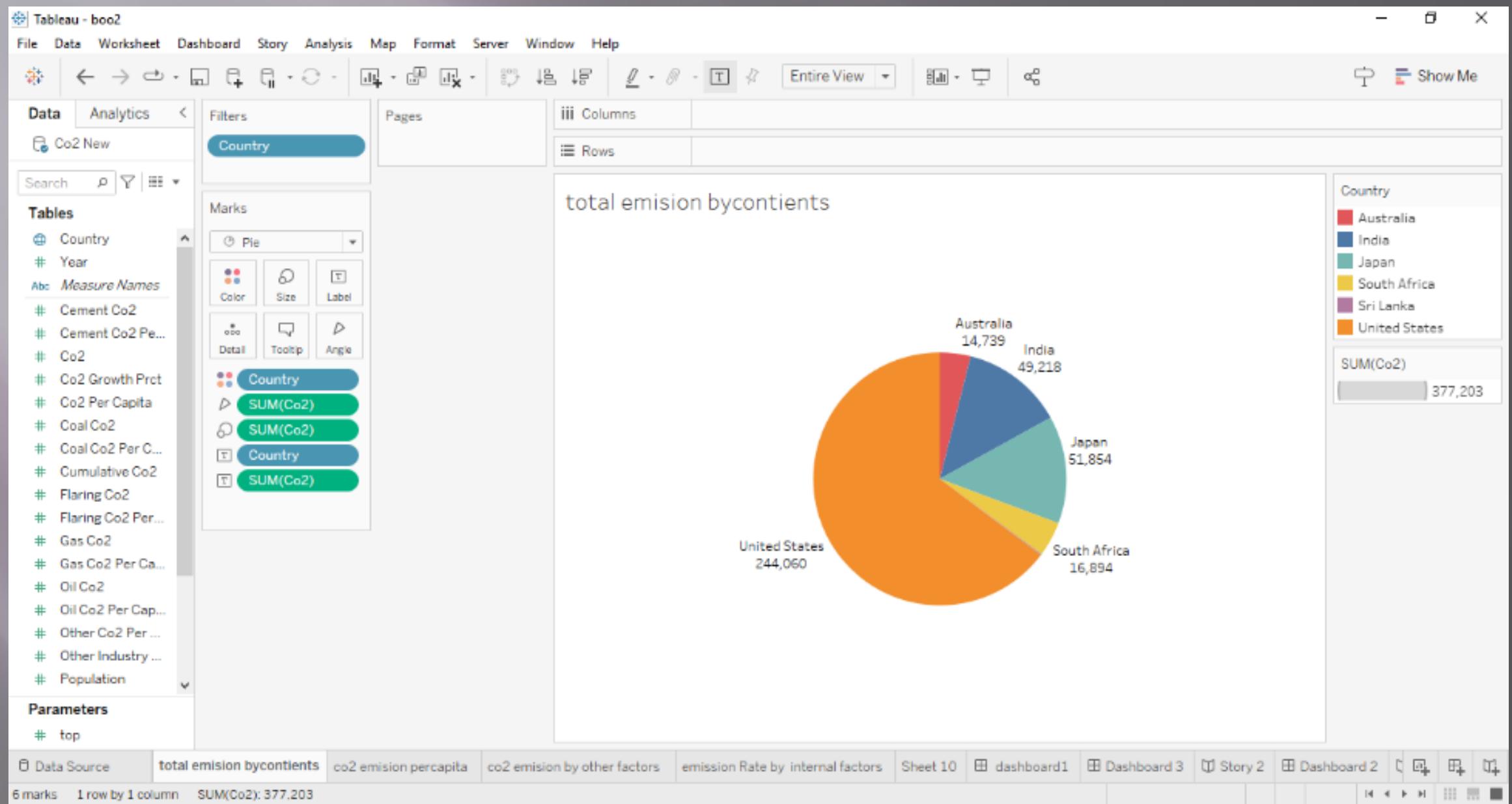
**Carbon Pricing:** Implementing carbon pricing mechanisms such as carbon taxes or emissions trading systems can incentivize businesses and individuals to reduce their carbon footprint by internalizing the costs of CO<sub>2</sub> emissions.

**Carbon Capture and Storage (CCS):** CCS technologies capture CO<sub>2</sub> emissions from industrial processes and power plants and store them underground to prevent them from entering the atmosphere. CCS has the potential to reduce CO<sub>2</sub> emissions from industries with high emissions intensity.

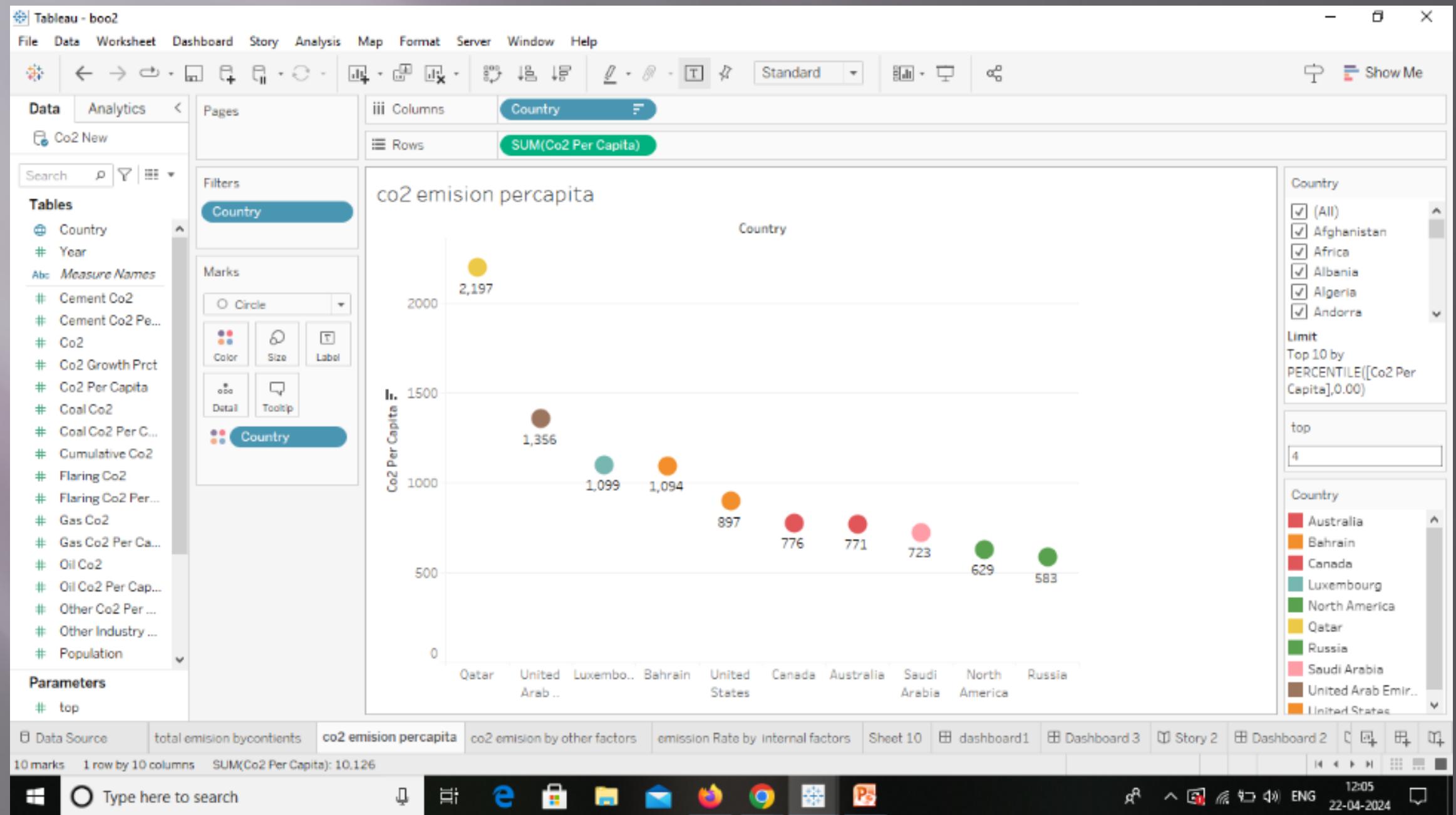
# Top emitting countries



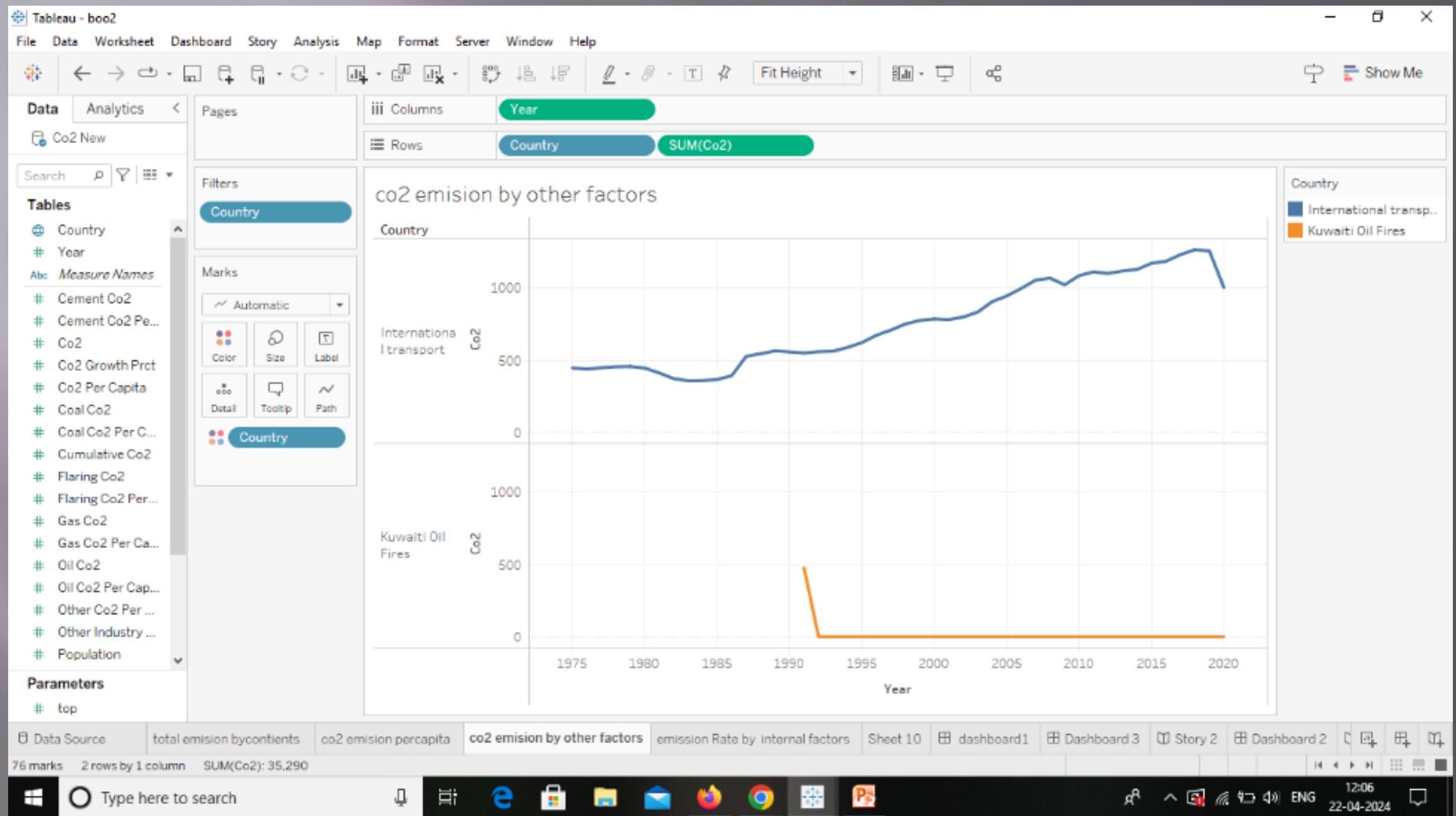
# Total emission by countries



# CO2 emission per capita



# CO2 emission by other factors



# Dashboard1

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total emision bycontients

Continent	Emissions
United States	244,060
South Africa	16,894
Japan	51,854
Australia	14,739

co2 emision percapita

Country	Co2 Per Capita
Qatar	2,197
United Arab Em...	1,356
Luxembourg	1,099
Bahrain	1,094
United States	897
Canada	776
Australia	771
Saudi Arabia	723
North America	629
Russia	583

co2 emision india vs united states

Year	United States (Co2)	India (Co2)
1980	~4,500	~500
1990	~4,800	~1,000
2000	~5,500	~1,500
2010	~5,200	~2,000
2020	~4,800	~2,500

co2 emision by other factors

Year	International Transport (Co2)	Kuwaiti Oil Fires (Co2)
1980	~3,500	~100
1990	~4,000	~1,000
2000	~5,000	~100
2010	~6,000	~100
2020	~7,000	~100

next

Data Source total emision bycontients co2 emision percapita co2 emision by other factors emission Rate by Internal factors Sheet 10 dashboard1 Dashboard 3 Story 2 Dashboard 2

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# Dashboard2

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Sheets

- total world emission
- top emitting countries
- co2 emissions
- co2 emissions per capita
- total world emission
- ...

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total world emission

Top emitting countries

Sheet 10

emission Rate by internal factors

Country

- Afghanistan
- Africa
- Albania
- Algeria
- Andorra
- Angola
- Anguilla
- Antarctica
- Antigua and Barb...
- Argentina
- Armenia
- Aruba
- Asia
- Asia (excl. China ..)
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin

Measure Names

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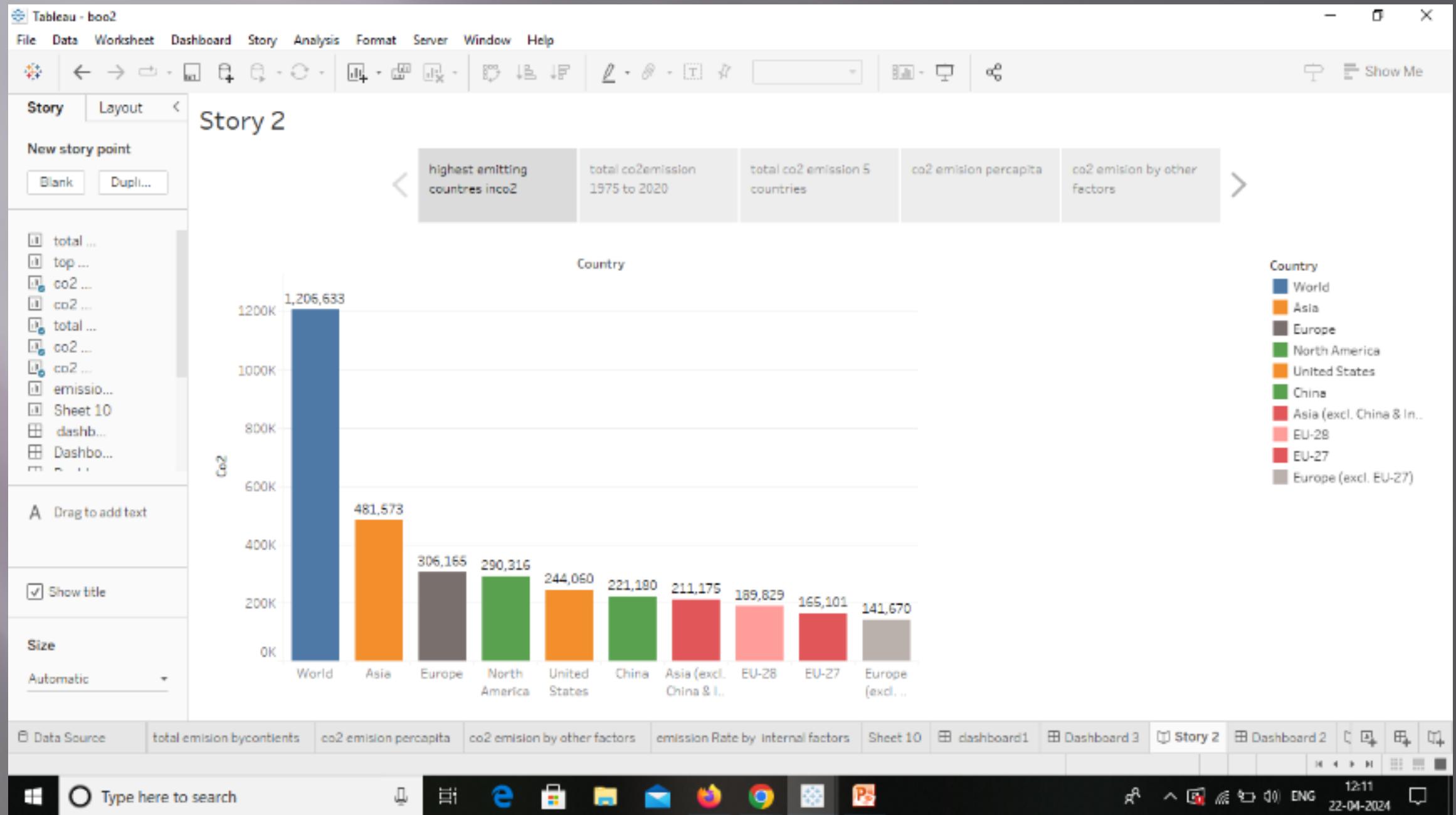
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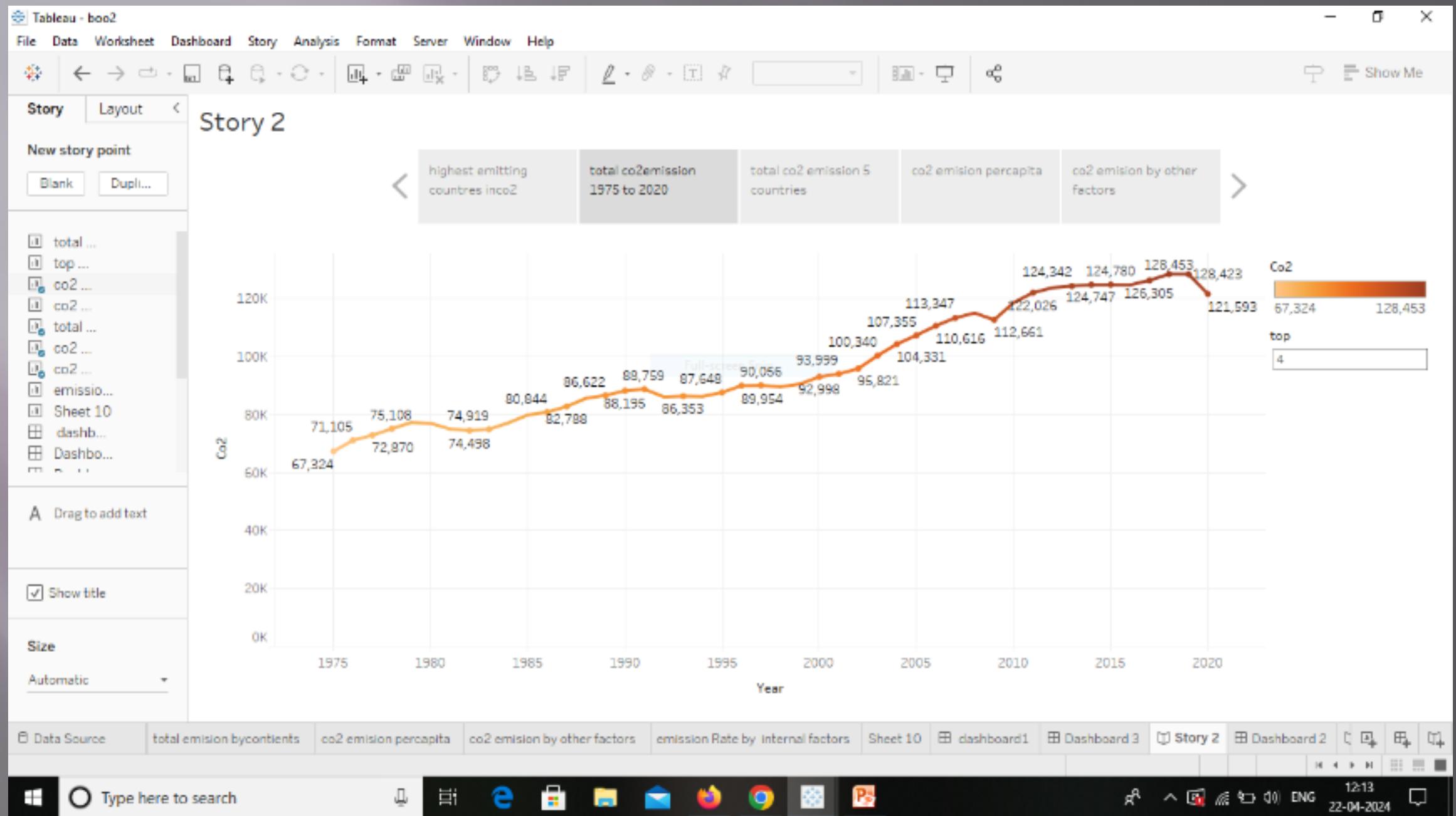
Country	CO2 Emissions (Mt)
World	1,206,633
Asia	491,573
Europe	306,165
North America	290,316
United States	244,060
China	221,180
Asia (excl. China & India)	211,175
EU-28	189,829
EU-27	165,101
Europe(excl. EU-27)	141,670

Year	Coal	Cement	Flare	Gas	Oil	Other
1980	1.5K	1.5K	1.5K	1.5K	1.5K	0.5K
1990	2.0K	2.0K	2.0K	2.0K	2.0K	0.5K
2000	2.5K	2.5K	2.5K	2.5K	2.5K	0.5K
2010	3.0K	3.0K	3.0K	3.0K	3.0K	0.5K
2020	3.5K	3.5K	3.5K	3.5K	3.5K	0.5K

# Highest emitting countries in CO2



# Total CO2 emission 1975 to 2020



# Total emission in 5 countries

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highest emitting countries inco2 total co2emission 1975 to 2020 total co2 emission 5 countries co2 emision percapita co2 emision by other factors

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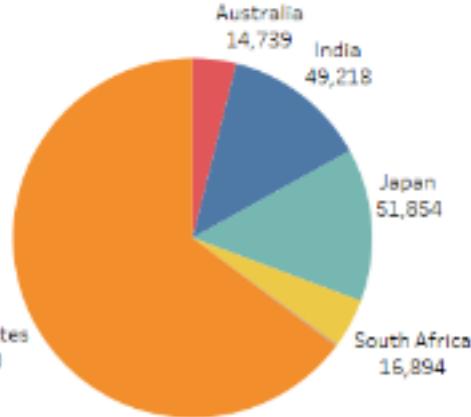
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Country

- Australia
- India
- Japan
- South Africa
- Sri Lanka
- United States

Co2

377,203



Country	Emissions
United States	244,060
India	49,218
Japan	51,854
Australia	14,739
South Africa	16,894

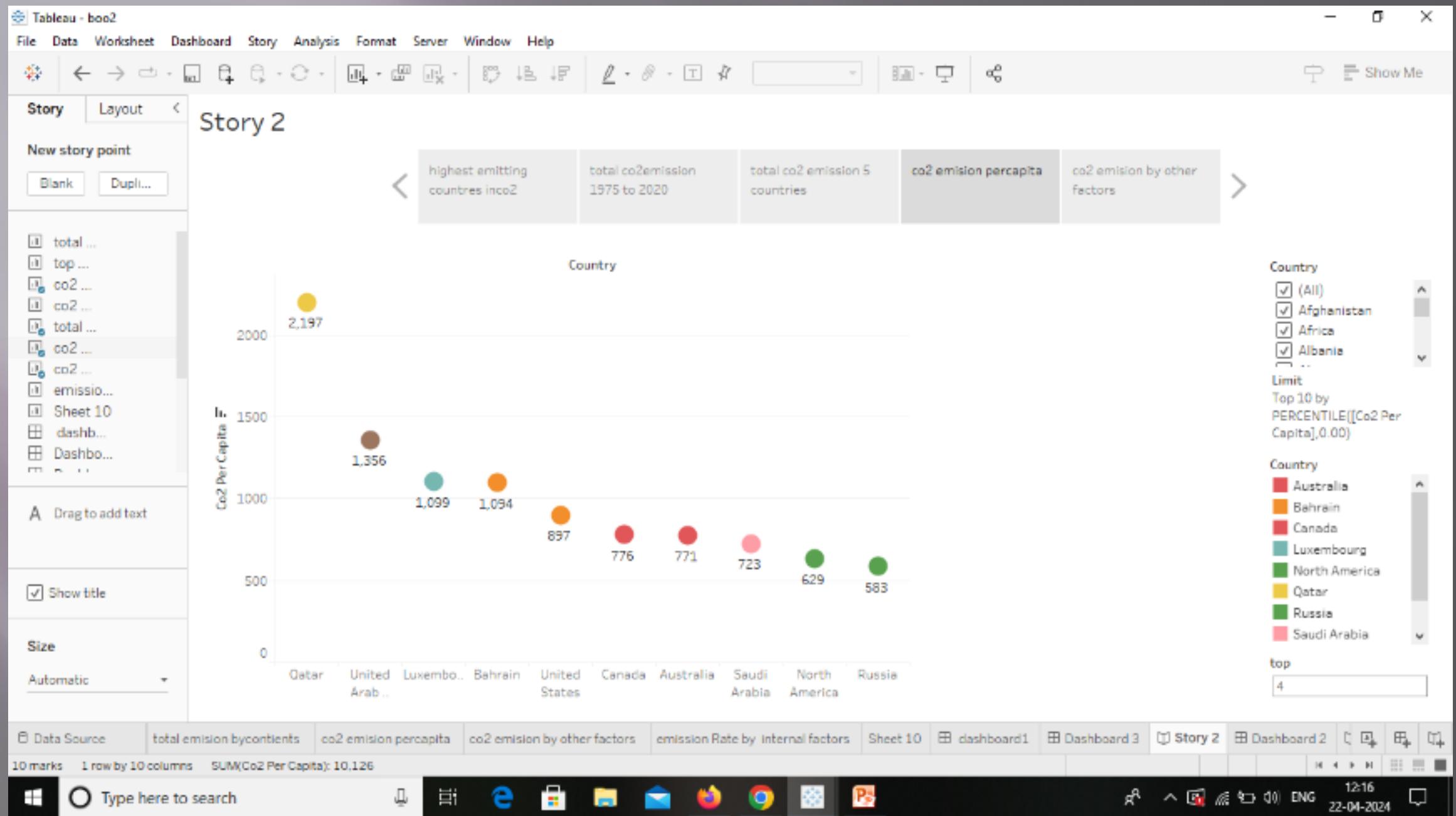
Data Source: total emission by continents

1 row by 1 column SUM(Co2): 377,203

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# CO2 emission per capita



# CO2 emission by other factors

