

FIT3179 Week 5 Homework

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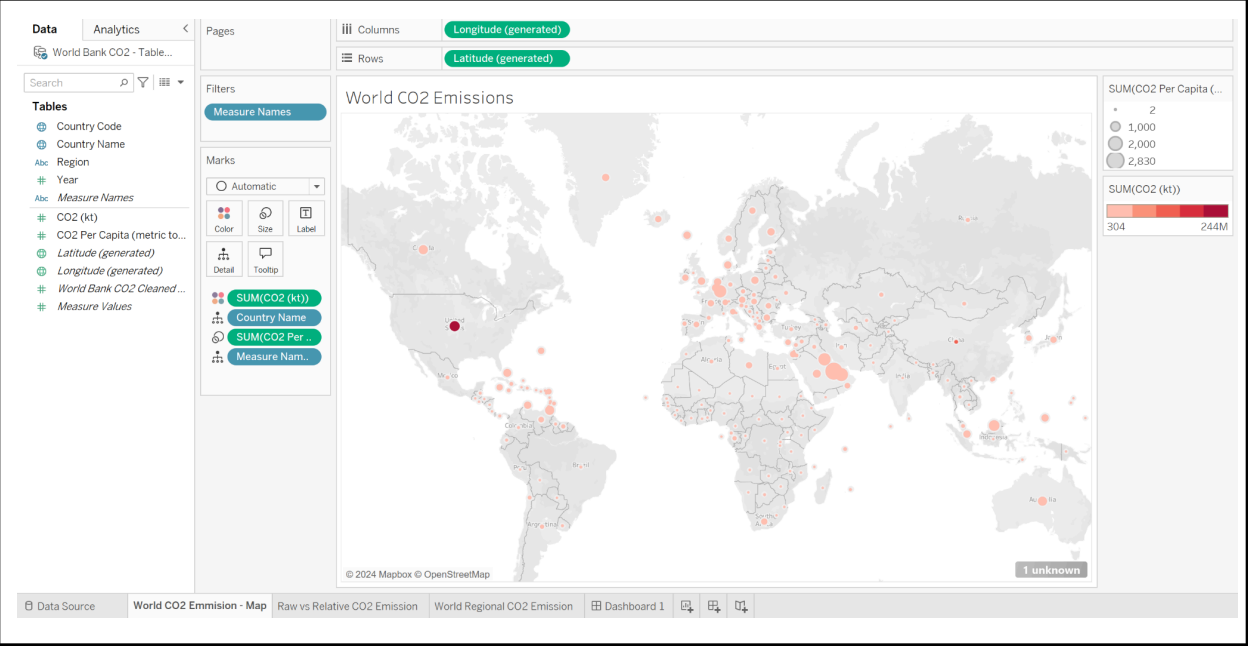
Studio: Tutorial 02 (Wednesday 12-2pm)

Tableau Public URL:

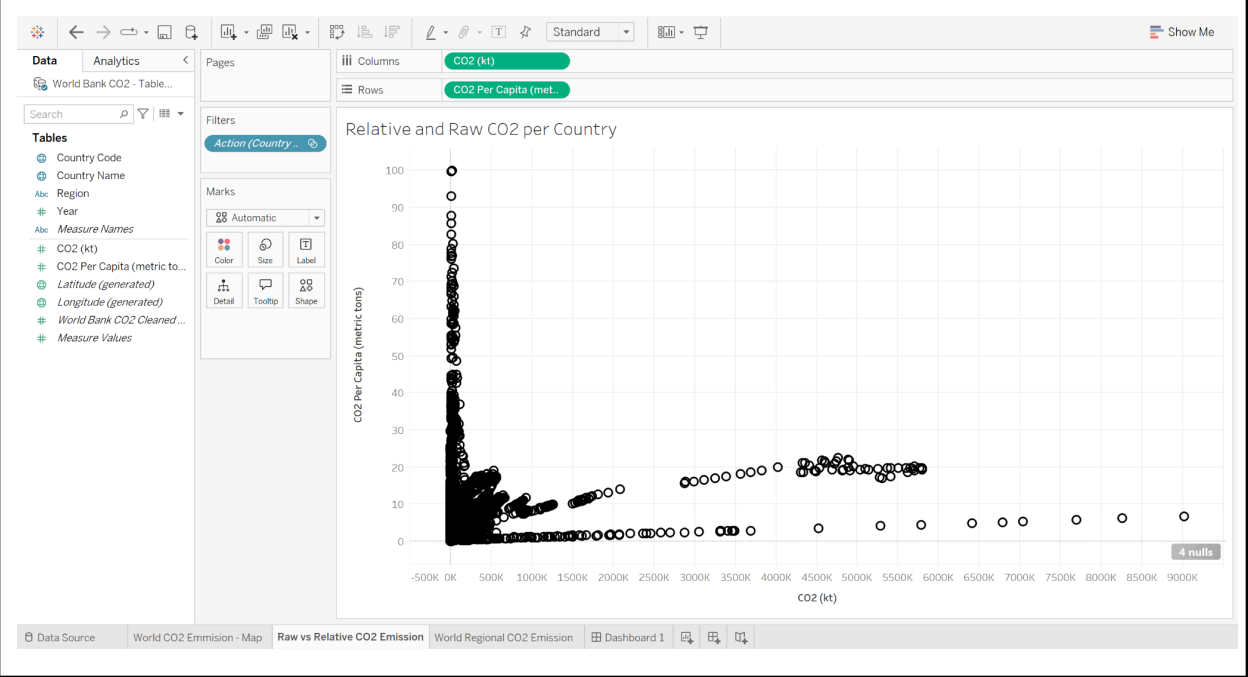
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Part 1: Creating an Interactive Visualisation in Tableau

Task 1.2: World CO2 Emission in a Map



Task 1.3: Raw vs Relative CO2 Emission (Scatter Plot)



The chart illustrates the average CO2 emissions per capita in metric tons for six major regions from 1960 to 2010. North America consistently has the highest per capita emissions, starting around 10 metric tons in 1960 and peaking at approximately 16.5 in 1970, before declining to about 12.5 by 2010. Middle East & North Africa shows a dramatic increase from near zero in 1960 to about 10 metric tons by 1970, then fluctuates between 8 and 11. East Asia & Pacific shows a steady rise from about 1.5 in 1960 to 4.5 in 2010. Europe & Central Asia rises from about 5.5 in 1960 to 7 in 2010. Latin America & Caribbean rises from about 1 in 1960 to 4 in 2010. South Asia remains the lowest throughout the period, starting near zero and rising to about 1 metric ton by 2010.

Year	North America	Middle East & North Africa	East Asia & Pacific	Europe & Central Asia	Latin America & Caribbean	South Asia
1960	10.0	2.5	1.5	5.5	1.0	0.0
1970	13.5	10.0	2.5	7.0	2.0	0.0
1980	15.5	8.5	4.5	8.5	3.5	0.0
1990	14.0	8.5	4.5	8.5	3.5	0.0
2000	14.5	10.5	4.0	7.0	3.5	0.2
2010	12.5	10.0	4.5	7.0	4.0	1.0

World CO2 Emissions

CO2 (kt)

304 244M

CO2 Per Capita (metric ton)

1,000 2,000 2,830

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4 nulls

CO2 Emission per Region

Avg. CO2 Per Capita (metric ton)

Year

Relative and Raw CO2 per Country

CO2 Per Capita (metric ton)

CO2 (kt)

4 nulls

emission - Map Raw vs Relative CO2 Emission World Regional CO2 Emission Dashboard 1