

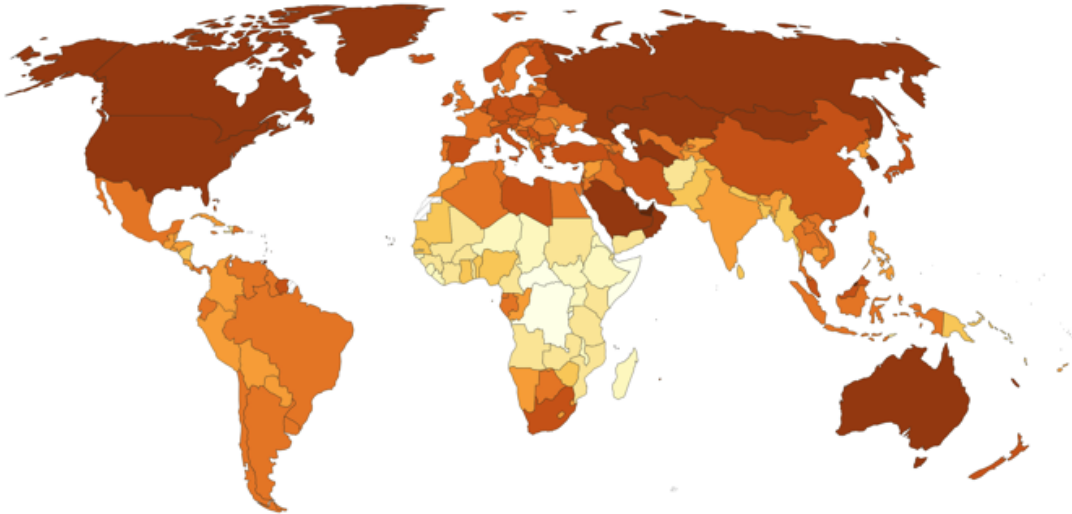
DATA INVESTIGATION

Purpose

Practice evaluating data, an essential skill for making sense of climate change.

Process

1. Examine the unlabeled chart below.



- a. What do you notice about the chart?

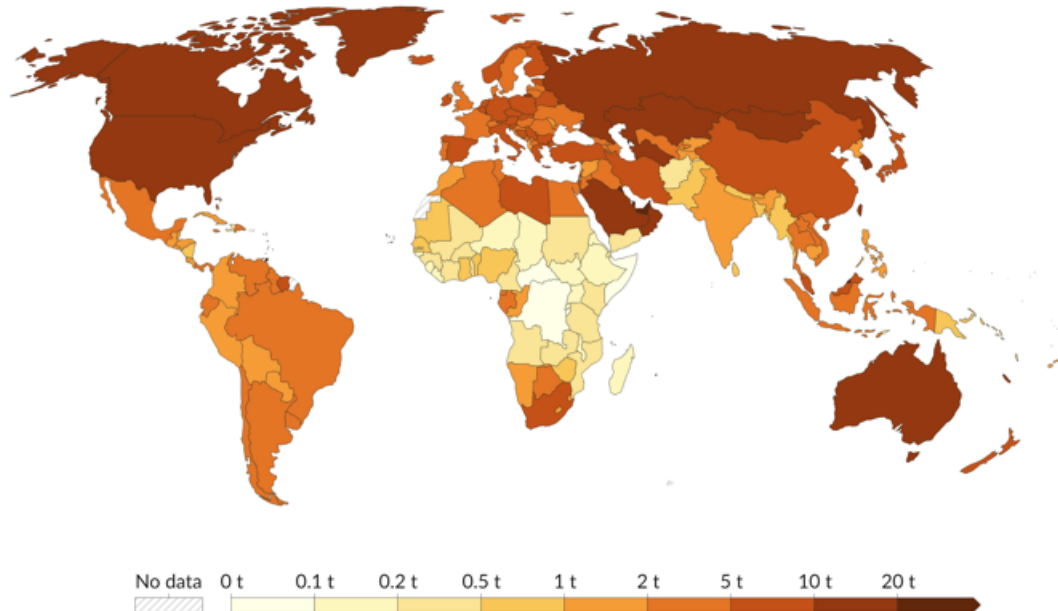
2. What do you think this chart is showing? Explain how you came to your conclusion, even if it's just your best guess.

DATA INVESTIGATION

3. Look at the chart again, this time with labels.

Per capita CO₂ emissions, 2022

Carbon dioxide (CO₂) emissions from fossil fuels and industry¹. Land-use change is not included.



Data source: Global Carbon Budget (2023); Population based on various sources (2023)
OurWorldInData.org/co2-and-greenhouse-gas-emissions | CC BY

1. Fossil emissions: Fossil emissions measure the quantity of carbon dioxide (CO₂) emitted from the burning of fossil fuels, and directly from industrial processes such as cement and steel production. Fossil CO₂ includes emissions from coal, oil, gas, flaring, cement, steel, and other industrial processes. Fossil emissions do not include land use change, deforestation, soils, or vegetation.

4. What's one conclusion you can draw from this chart? What evidence supports your conclusion?