

TASK 16 – DATA VIZ

1. GENDER WAGE GAP 2015



- ❖ Which three countries have the lowest gender wage gap?
 - Costa Rica
 - Belgium
 - Denmark
- ❖ Which three countries have the highest gender wage gap?
 - Korea
 - Japan
 - Chile

- ❖ Do some research on the country with the lowest gender wage gap and comment on why you think it succeeded in achieving a low gender wage gap in 2015 (max. 150 words).

Costa Rica has the lowest gender wage gap in 2015 compared to all other countries in the dataset. The drivers that could have contributed to Costa Rica achieving a low gender wage gap are:

- ❖ Education – the country has implemented gender equality legislation since the 1990's, which enforced and guaranteed equal and quality educational opportunities for both women & men. The focus on education has had a positive impact, as there is a strong correlation between attaining a quality education and accessing better job opportunities.
- ❖ Public Policy – the country has implemented several policies and initiatives to foster gender equality in the workplace. One such initiative involves the establishment of a quality seal to verify and certify gender equality in public and private sector organisations. Additionally, the country has actively promoted women's representation in leadership positions.

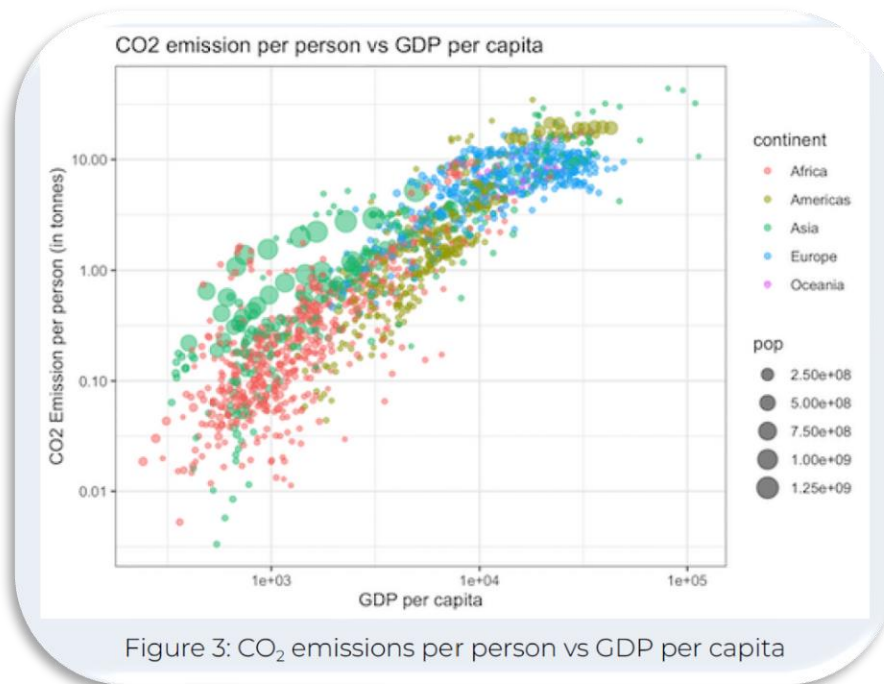
2. THE SALE OF ISOPROPANOL MAY 2019 – MARCH 2020



- ❖ What is happening in the graph during March 2020 with regards to isopropanol sales?
 - Sales in March 2020 significantly increased during this period compared to prior months. Viewing the US CTS/lb, this measure has doubled. This indicates that a spike in demand had occurred during this time.
- ❖ Describe a possible reason for the observation you made about isopropanol sales in March 2020.
 - During this period, the COVID-19 pandemic impacted the world and it was advised by The World Health Organisation (WHO) and health authorities to

maintain proper hand hygiene and disinfection practices as a measure to reduce the transmission of the COVID-19 virus. Isopropyl is the key ingredient in hand sanitizers and disinfectants, and the demand for these products during this period surged.

3. CO₂ EMISSIONS PER PERSON VS. GDP PER CAPITA



- ❖ Discuss the relationship between CO₂ emissions per person and GDP per capita for each continent listed in the figure legend (max. 350 words).

AFRICA

- ❖ CO₂ emissions & GDP per capita for Africa are relatively low, compared to other continents. This is due to lower energy consumption & industrialisation within many African countries

AMERICAS

- ❖ The Americas CO₂ emissions & GDP per capita are a range from medium to high in the figure. This is due to a mix of high GDP per capita and high CO₂ emissions in North America, due to energy intensive industries & Latin America with low GDP per capita and high CO₂ emissions, due to deforestation, agriculture and fossil fuel-based energy production

ASIA

- ❖ Asia also has a mixed range of high GDP per capita & high CO₂ emissions, due to higher levels of industrialisation & energy consumption, to some Asian countries having a moderate GDP per capita & low CO₂ emissions, due to lower levels of energy consumption.

EUROPE

- ❖ Europe CO2 emissions & GDP per capita are high, due to higher levels of industrialisation, transportation and energy consumption

OCEANIA

- ❖ Oceania CO2 emissions & GDP per capita are high due to energy-intensive industries, transportation, and reliance on fossil fuels.