HOW HAS HUMAN INVOLVEMENT IMPACTED GLOBAL TEMPERATURE IN THE LAST DECADE

BACKGROUND INFORMATION

- GLOBAL WARMING is the long-term heating of earth's surface observed since the pre-industrial period due to human activities. Which increases heat trapping green house gas levels in earth's atmosphere.
- **HUMAN INVOLVEMENT is a** devastating cause of global warming including deforestation, manufacturing an industry emissions, generating electricity and heat, burning fossil fuels, and transportation.
- **GREENHOUSE GASES have an** influence on the earth's energy balance the most common gases include: carbon dioxide, methane, and nitrous oxide which these gases has significantly increased since the beginning of the last century, due to human involvement and tehre for contribute to global warming.

HYPOTHESIS

Human involvement will have significantly impacted earth's atmosphere, causing an increase in the global temperature.

AIM

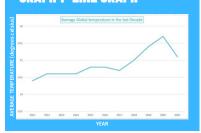
Our aim is to analyse the global temperature in the last decade, due to the consequences of human involvement.

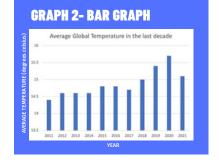
TABLE

Year:	Average Global Temperature (degrees Celsius):
2011	14.4
2012	14.6
2013	14.6
2014	14.6
2015	14.8
2016	14.8
2017	14.7
2018	15.0
2019	15.4
2020	15.7
2021	15.1



GRAPH 1- LINE GRAPH





REFERENCE LIST:

https://www.ncei.noaa.gov/access/monitoring/monthly

hottest-vear-just-behind-2016

https://www.ncei.noaa.gov/access/monitoring/month

nttp://www.bom.gov.au/climate/current/season/aus/a

https://earthobservatory.nasa.gov/images/event/79367/ the-summer-of-2012-13-brings-fires-to-australia https://data.one.org/aftehttps://www.myclimate.org/inf

akc3hxnFpvSdKXEwoSOSBoCSIQQAvD_BwE https://energypedia.info/wiki/Climate_Change_and_Tra

ve shown that the average global temperature has gradually increased over the last decade (2011 to 2021), due to the human involvement, which creases the carbon emissions in the atmosphere. This is shown visually in the bar graph and line graph. There is a prevalent outlier in 2021, where the global that less people were driving, or burning fuels, using factory emissions, and therefore fewer fossil fuels were released into the atmosphere. This means the increase o lobal temperature slowed down slightly in 2021.

(Q1) is 14.6 and The Third Quartile (Q3) is 15.1 and the Inter-Quartile Range is 0.5. The data in the graphs are negatively skewed, and the mode is 14.6. The average

Over the last century, human activity in the environment has led to an increased amount of atmospheric carbon dioxide. The CO2 soaks up the infrared emitted from Earth, causes vibration to occur and re emits it in all directions. About half of it, is emitted into the space and the other half returns to Earth as heat, contributing to the greenhouse effect. The ozone layer, which protects Earth and life on Earth by absorbing harmful ultraviolet radiation from the sun. The increasing amount of ecomes thinner and thinner, allowing more harmful radiation to enter Earth, and increasing the global temperature

CONCLUSION

In conclusion, the average global temperature in the last decade (2011 to 2021), increased from 14.4 degrees Celsius to 15.1 degrees Celsius. This further reiterates the global phenomenon, that human involvement is a prominent cause of global warming. Human actions such as deforestation, transportation, burning fossil fuels, creating heat and electricity and manufacturing, all contribute to the increasing amount of greenhouse gases exposed to the environment. We completely met our aim, which was to analyse the global temperature in the last decade, due to human involvement. Our hypothesis was adequately met, we hypothesised that human involvement would have a large impact on Earth's atmosphere, which will increase the temperature of Earth, which is clear in the rising temperature of Earth.