Business Intelligence Project Proposal

**GLOBAL WARMING**

**Introduction**

The Earth is warming up, and humans are at least partially to blame. The gradual increase in the planet's surface temperature is known as global warming. Although this warming trend has been around for a while, the burning of fossil fuels has greatly accelerated its pace over the past century. The amount of fossil fuels burned has increased along with the size of the human population. Burning fossil fuels such as coal, oil, and natural gas results in the "greenhouse effect," which affects the atmosphere of Earth.

These greenhouse gases are carbon dioxide, chlorofluorocarbons, water vapor, methane, and nitrous oxide. Our ecology and wildlife are being destroyed by the over usage of fossil fuels. Due to the significant pollution this activity produces and the resulting ozone layer damage, it also poses a serious threat to human life.

**Dataset**

This dataset will help researchers and environment experts to predict global warming. So that countries should set a goal to decrease this amount yearly.

Source: Kaggle, EPA(Environmental Protection Agency), Data.world, EIA(Energy Information Administration)

<https://www.kaggle.com/datasets/unitednations/international-greenhouse-gas-emissions?ref=hackernoon.com>

<https://www.kaggle.com/datasets/moazzimalibhatti/co2-emission-by-countries-year-wise-17502022?resource=download>

<https://www.kaggle.com/datasets/berkeleyearth/climate-change-earth-surface-temperature-data?ref=hackernoon.com>

<https://www.epa.gov/ghgreporting/data-sets>

<https://www.eia.gov/electricity/data/browser/>

This dataset provides a detailed list of all countries in the world with the details pertaining to CO2 emission and Green House Gas emission, Land Temperatures recorded in major countries and production of energy from different sources. The Greenhouse Gas data contains data like carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), hydrofluorocarbons (HFCs) etc. EIA dataset contains consumption of coal, petroleum, natural gas etc. to produce electricity.

**Key Audience**: The target audience are the Public.

1. Why is the earth getting hotter?

Descriptive: What are the major factors that contribute to global warming?

Predictive: What will happen if global warming is left unchecked?

Prescriptive: How can we manage the existing impacts and come up with ways to reduce global warming in the near future?

2. Which industry adds to global warming the most?

Descriptive: Who is the leading contributor to greenhouse gas emission?

Predictive: If left unchecked, how much more fossil fuel will be consumed in the next 10 years in order to produce electricity?

Prescriptive: How can we reduce greenhouse gas emission from the leading contributor?

3. What can be done to reduce global warming?

Descriptive: What are the alternate ways to produce clean and sustainable energy?

Predictive: If we do come up with ways to produce clean and sustainable energy, what will be its impact on global warming?

Prescriptive: Why should we switch to this alternative fuel?