Data Visualization Final Project

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Read Me:

How to reproduce our work:

1. Open up the notebook **Final_viz_script_LappRodriguezWu.ipynb**
2. Run each cell
    a. This notebook takes our final merged datasets we made during the data cleaning process, as well as a couple additional datasets we downloaded recently, and produces all the graphs on our poster

Notebooks:

We have two jupyter notebooks. One was already submitted during the data cleaning phase. The second one makes all of our visualizations.

- **Final_viz_script_LappRodriguezWu.ipynb**
    - This is our script that makes all of our graphs in our poster. You can use this and the corresponding .html file to trace our work for the poster
- Cleaning_script.ipynb (old)
    - This is our data cleaning script we already submitted during the data cleaning phase. You will not be able to run this because we have not included the multiple (over 10) raw datasets we used. If you wanted to run this script, it is available in our initial data cleaning zip submission

Datasets:

- usaForecastedData.csv
    - This dataset contains forecasts of greenhouse gas emissions by sectors in the US
    - It was downloaded from United States Forecasted Emissions Dataset: U.S. Energy Information Administration

- Country_df.csv
    - This dataset is from our data cleaning process and contains multiple country x year datasets joined together on ISO code and date
- Global_df.csv
    - This dataset is from our data cleaning process and contains multiple global time series joined together by date

Additional Files:

- ISO_countryname_continent.csv is a file that crosswalks country ISO codes to their official name and regions and continents

A note about subdirectories:

- As long as the code is run within the directory as we provide it, there should be no need to specify paths when reading in files. You will see code that says things like “save_dir” and “base_dir” and that was just us coordinating people using different directories for our code