

# Software Requirements to Run Electricity Access Analysis

## 1. Operating System

- Any OS with Python support (e.g., Windows, macOS, Linux)

## 2. Programming Language

- Python 3.7 or higher

## 3. Required Python Libraries

- Install with: `pip install pandas matplotlib`
- pandas: For data loading and manipulation
- matplotlib: For generating plots

## 4. Dataset File

- File: `global-data-on-sustainable-energy.csv`
- Must be in the same directory as the script
- Required columns: Entity, Year, Access to electricity (% of population), `gdp_per_capita`

## 5. Output

- `bar_chart.png`: Electricity access bar chart
- `scatter_plot.png`: GDP vs electricity access scatter plot

## 6. Execution Environment (Optional)

- Recommended IDEs: Jupyter Notebook, VS Code, PyCharm