**India's Energy Production from 1990-2020 (EDA)**

**About Dataset**

**Data on Energy by *Our World in Data***

This dataset is a collection of key metrics maintained by [*Our World in Data*](https://ourworldindata.org/energy). It is updated regularly and includes data on energy consumption (primary energy, per capita, and growth rates), energy mix, electricity mix, and other relevant metrics

# The dataset was re-worked for data visualization

The original dataset 'World Energy Consumption' created by Our World in Data has been transformed to show Indian Electricity Production and consumption patterns from 1990-2020.

As a result, I have used the final outcome for visualization purposes.

Original dataset by Our World in Data: <https://www.kaggle.com/datasets/pralabhpoudel/world-energy-consumption>

Information has been taken to fulfill missing values (GDP, population) from: [https://data.worldbank.org](https://data.worldbank.org/)

**Domain: Energy**

**Context:**

This project mainly focuses on data analysis of India's energy production and consumption of electricity from various sources such as renewable and non-renewable energy sources (Hydropower, Coal, Solar, Nuclear, etc.). Trends, Percentage of share between different sources, and comparisons have been done from the year 1990-2020.

**Data Dictionary:**

**1. biofuel\_electricity:** *Electricity generation from biofuels, measured in terawatt-hours*

**2. coal\_electricity:** *Electricity generation from coal, measured in terawatt-hours*

**3. gas\_electricity:** *Electricity generation from gas, measured in terawatt-hours*

**4. hydro\_electricity:** *Electricity generation from hydropower, measured in terawatt-hours*

**5. nuclear\_electricity:** *Electricity generation from nuclear power, measured in terawatt-hours*

**6. oil\_electricity:** *Electricity generation from oil, measured in terawatt-hours*

**7. other\_renewable\_electricity:** *Electricity generation from other renewable sources, measured in terawatt-hours*

**8. solar\_electricity:** *Electricity generation from solar, measured in terawatt-hours*

**9. wind\_electricity:** *Electricity generation from wind, measured in terawatt-hours*

**10. biofuel\_elec\_per\_capita:** *Per capita electricity consumption from biofuels, measured in kilowatt-hours*

**11. coal\_elec\_per\_capita:** *Per capita electricity consumption from coal, measured in kilowatt-hours*

**12. gas\_elec\_per\_capita:** *Per capita electricity consumption from gas, measured in kilowatt-hours*

**13. hydro\_elec\_per\_capita:** *Per capita electricity consumption from hydropower, measured in kilowatt-hours*

**14. nuclear\_elec\_per\_capita:** *Per capita electricity consumption from nuclear power, measured in kilowatt-hours*

**15. oil\_energy\_per\_capita:** *Per capita primary energy consumption from oil, measured in kilowatt-hours*

**16. other\_renewables\_elec\_per\_capita:** *Per capita electricity consumption from other renewables, measured in kilowatt-hours*

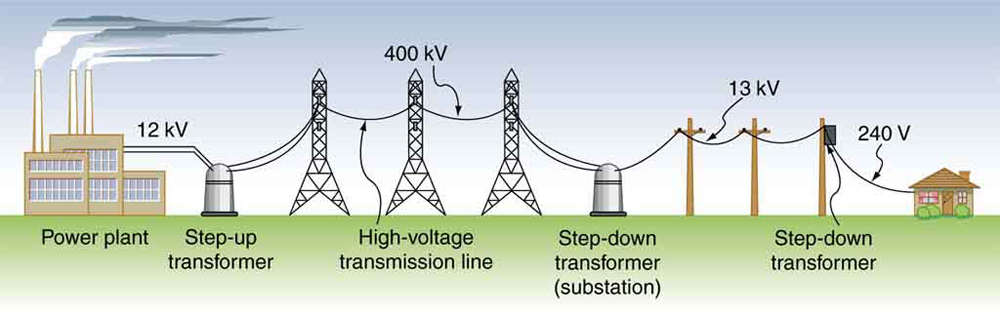
**17. solar\_elec\_per\_capita:** *Per capita electricity consumption from solar, measured in kilowatt-hours*

**18. wind\_elec\_per\_capita:** *Per capita electricity consumption from wind, measured in kilowatt-hours*

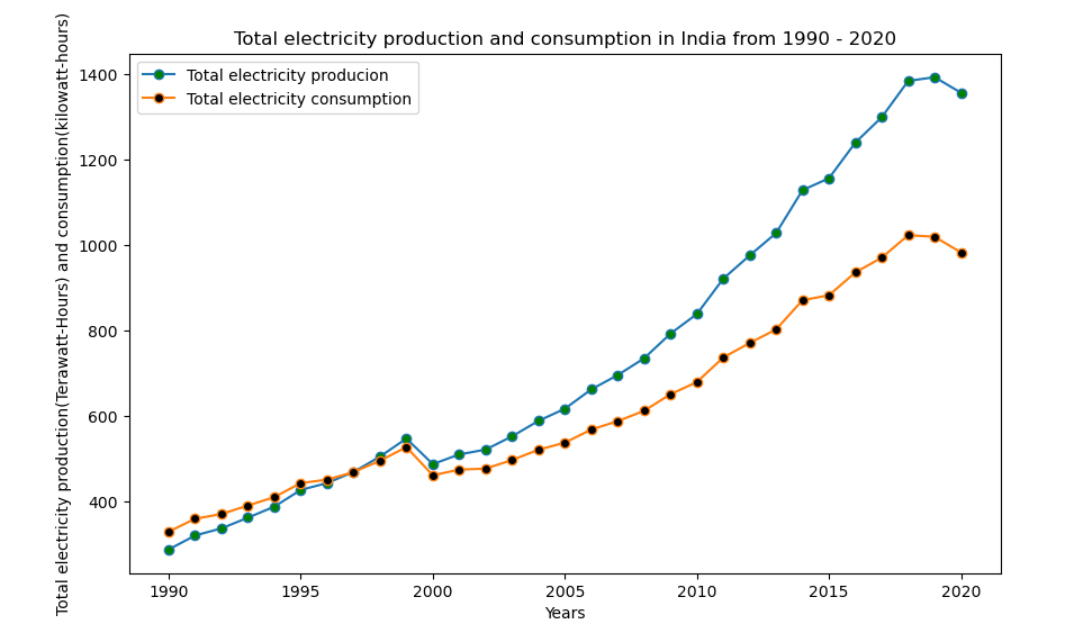
**19. year:** *Year of observation*

**20. gdp:** *Total real Gross Domestic Product(Inflation adjusted)*

**21. population:** *Total population*



A graph of a graph showing the amount of electricity per capita

Description automatically generated

A pie chart with text on it

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