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World Electricity Analysis

- Download the data from the given location :
  https://drive.google.com/drive/folders/1JD_x_fCsZf6EeXfaKxva0VqnXt0wCaBC?usp=sharing

- There are multiple datasets inside the drive. Inside every folder you will also find details

  - Raw data in `json` format

  - Metadata associated with the data - this will give you a brief idea what the table and column exactly means

- Use python programming language to parse this json data, below given references can be helpful:

  - https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Objects/JSON

  - https://docs.python.org/3/library/json.html

- Use `Python` to parse and convert the json data in a format so that the SQL can interpret it

- Use SQL to generate aggregations in a way that the aggregated data can be uploaded in a MS Excel spreadsheets and a dashboard can be generated which can capture the following insights (*please note that raw data must not be uploaded in the sheet and only aggregation generated by sql can be uploaded*)

  - Comparison of access to electricity post 2000s in different countries

○ Find one interesting insight present in the data (across all the tables)

○ Present a way to compare every country's performance with respect to world average for every year. As in, if someone wants to check how is the accessibility of electricity in India in 2006 as compared to average access of the world to electricity

○ A chart to depict the increase in count of country with greater than 75% electricity access in rural areas across different year. For example, what was the count of countries having ≥75% rural electricity access in 2000 as compared to 2010.

○ Define a way/KPI to present the evolution of nuclear power presence grouped by `Region` and `IncomeGroup`. How was the nuclear power generation in the region of Europe & Central Asia as compared to Sub-Saharan Africa.

○ A chart to present the production of electricity across different sources (nuclear, oil, etc.) as a function of time