



DS 2002 F24

ENERGY ANALYSIS

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DATA SELECTION

A look into which data sets we chose, why we chose them, and where we went with them.

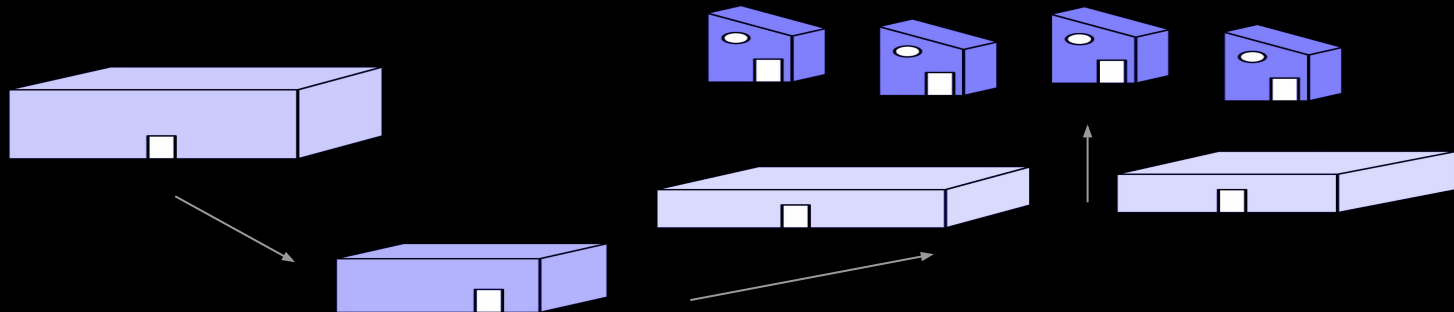
Cummulative_Sum_Year_Full_Data

Year, Technology Type, Project Name,
Technology Sub-Type, Country, Power,
Storage Capacity

Global_Map_Full_Data_Data

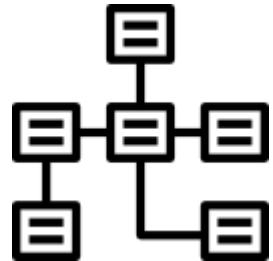
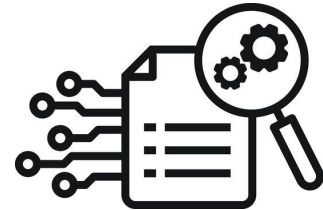
Latitude, Longitude, Project Name, Country,
Rated Capacity, Rated Power, Discharge
Duration at Rated Power, Storage Capacity

WHY?

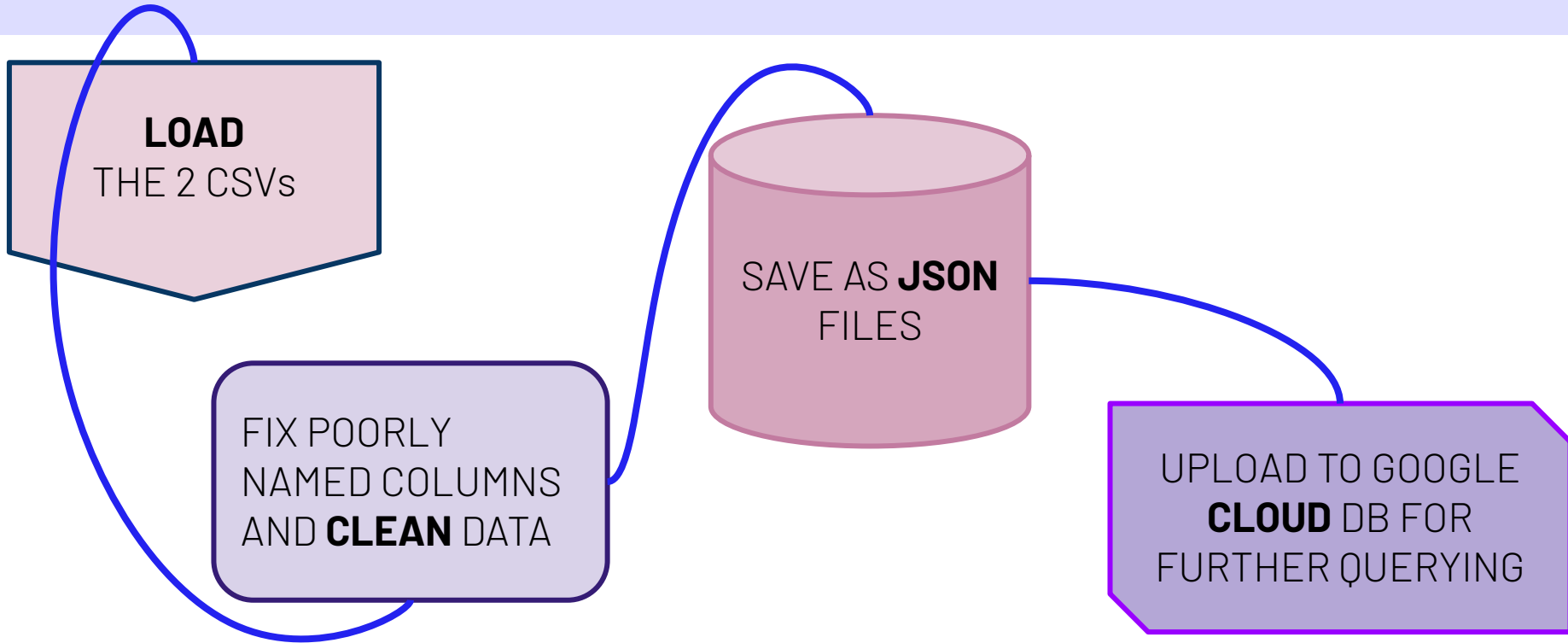


CHALLENGES

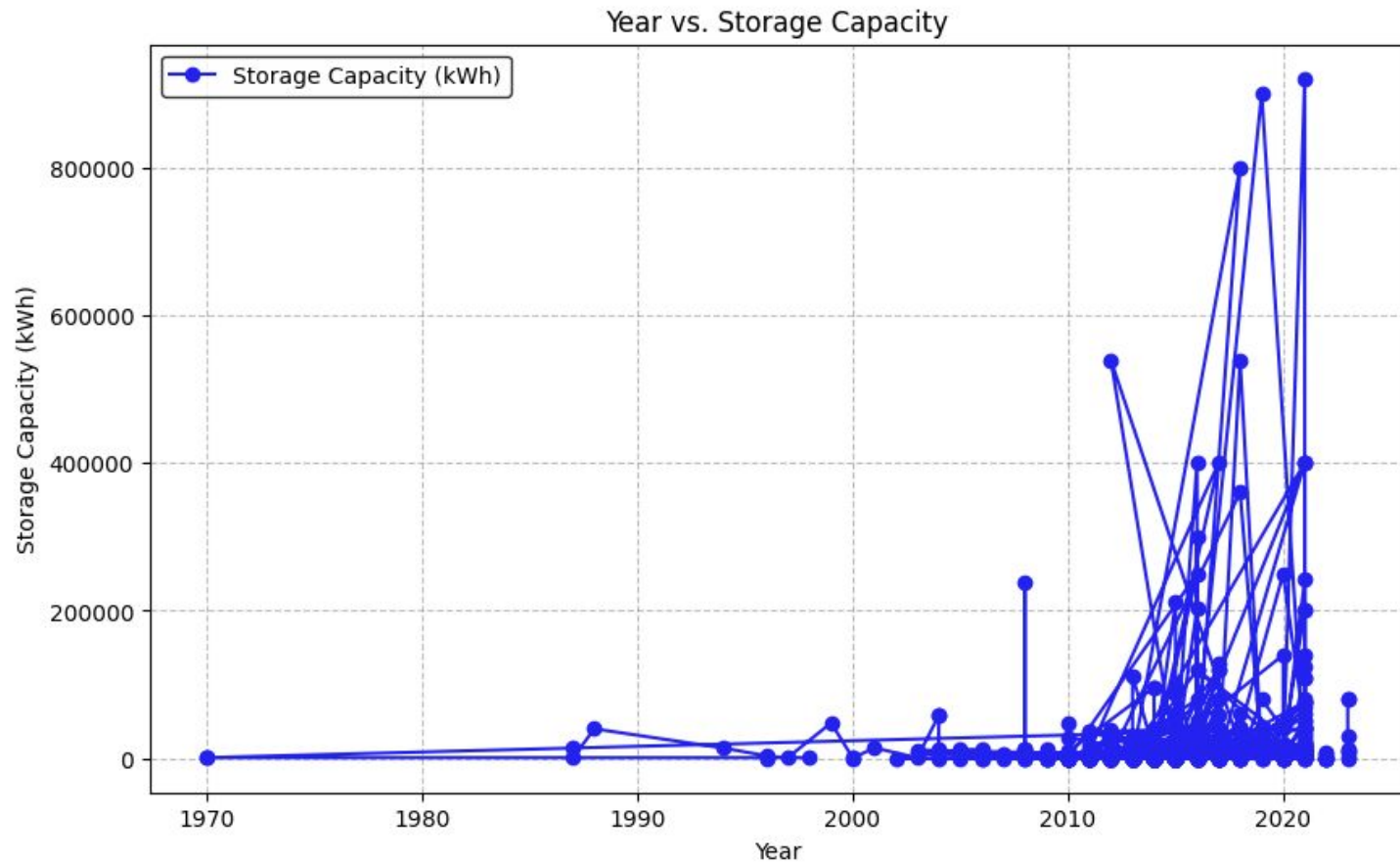
- Auto-uploading to **Cloud**
- Data Comprehension
 - Missing **Context**
 - Metrics Complexity
- Determining Ideal **Storage Schema**
 - Simple? Complex?



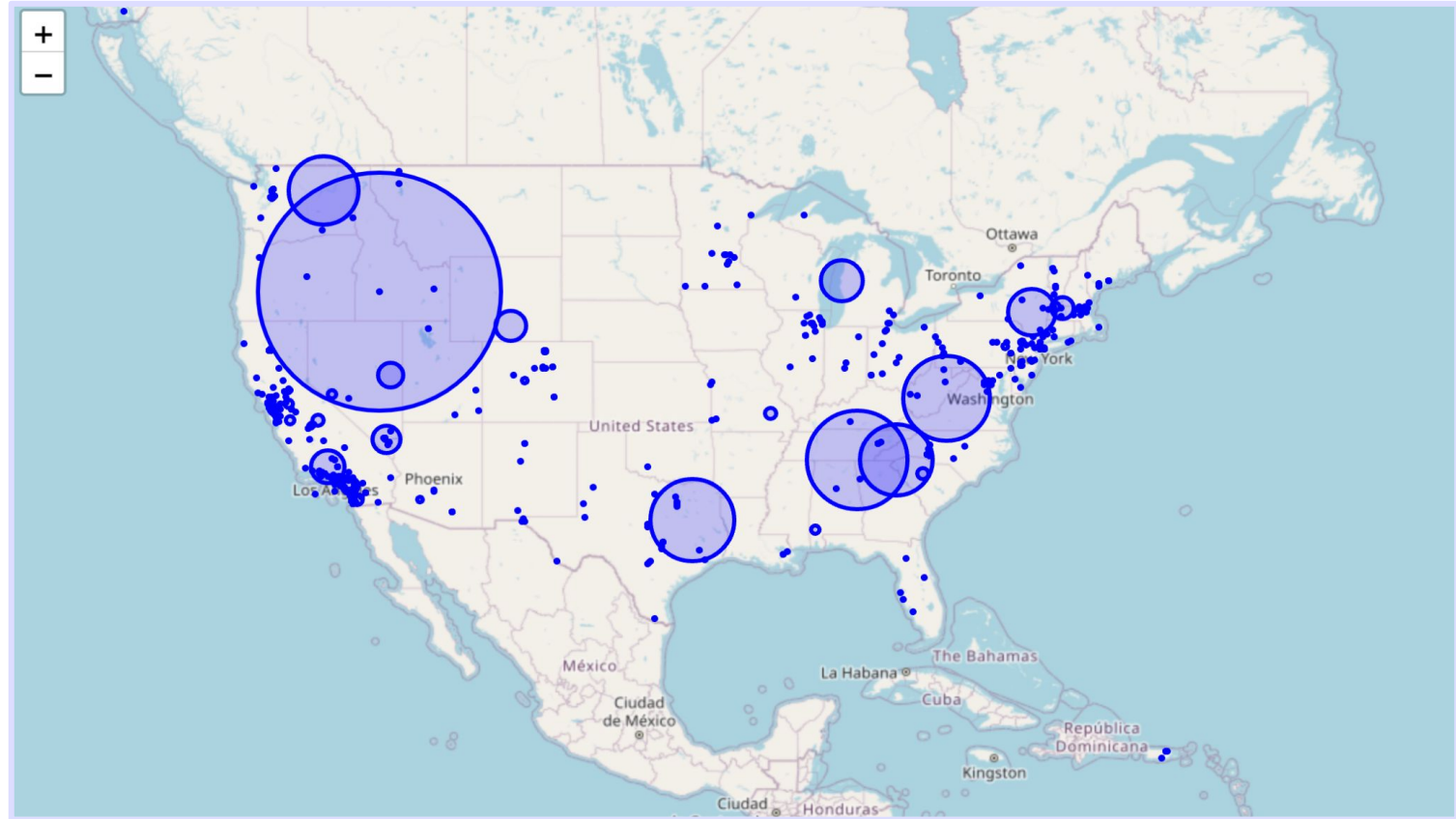
ETL path and logic



DATA PLOTTING



DATA MAPPING



DATA CORRELATIONS

Y - Latitude

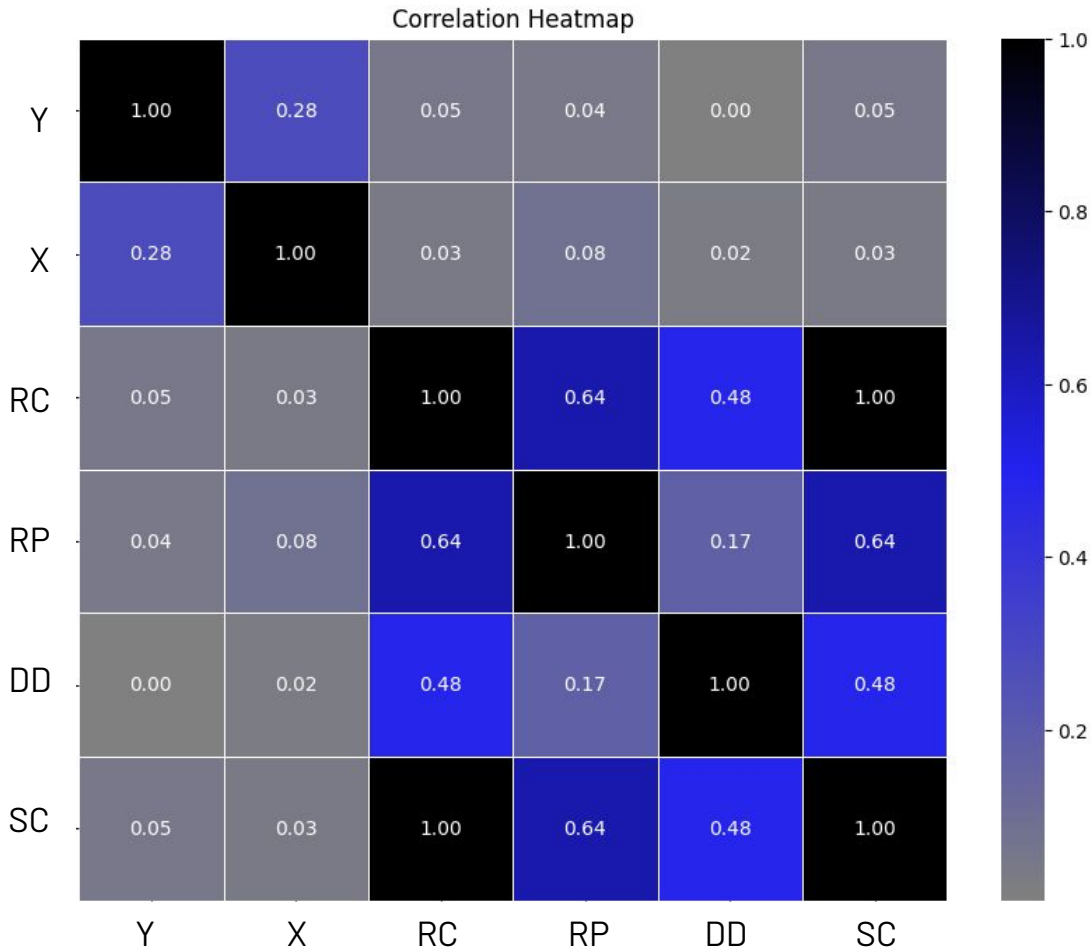
X - Longitude

RC - Rated Capacity (kWh)

RP - Rated Power (kW)

DD - Discharge Duration at
Rated Power (hrs)

SC - Storage Capacity



LESSONS

- Impact of data **visualization**
- Logical **pipelines**
- Informative connectedness to trends with **context**
- Understanding how to analyze **correlations** between factors