



PHONEPE PULSE DATA VISUALIZATION AND EXTRACTION

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OBJECTIVE

- Extract data from Phonepe Pulse GitHub repository.
- Transform and preprocess the data.
- Insert the cleaned data into a MySQL database.
- Create a live geo visualization dashboard using Streamlit and Plotly.
- Fetch data from MySQL for visualization.

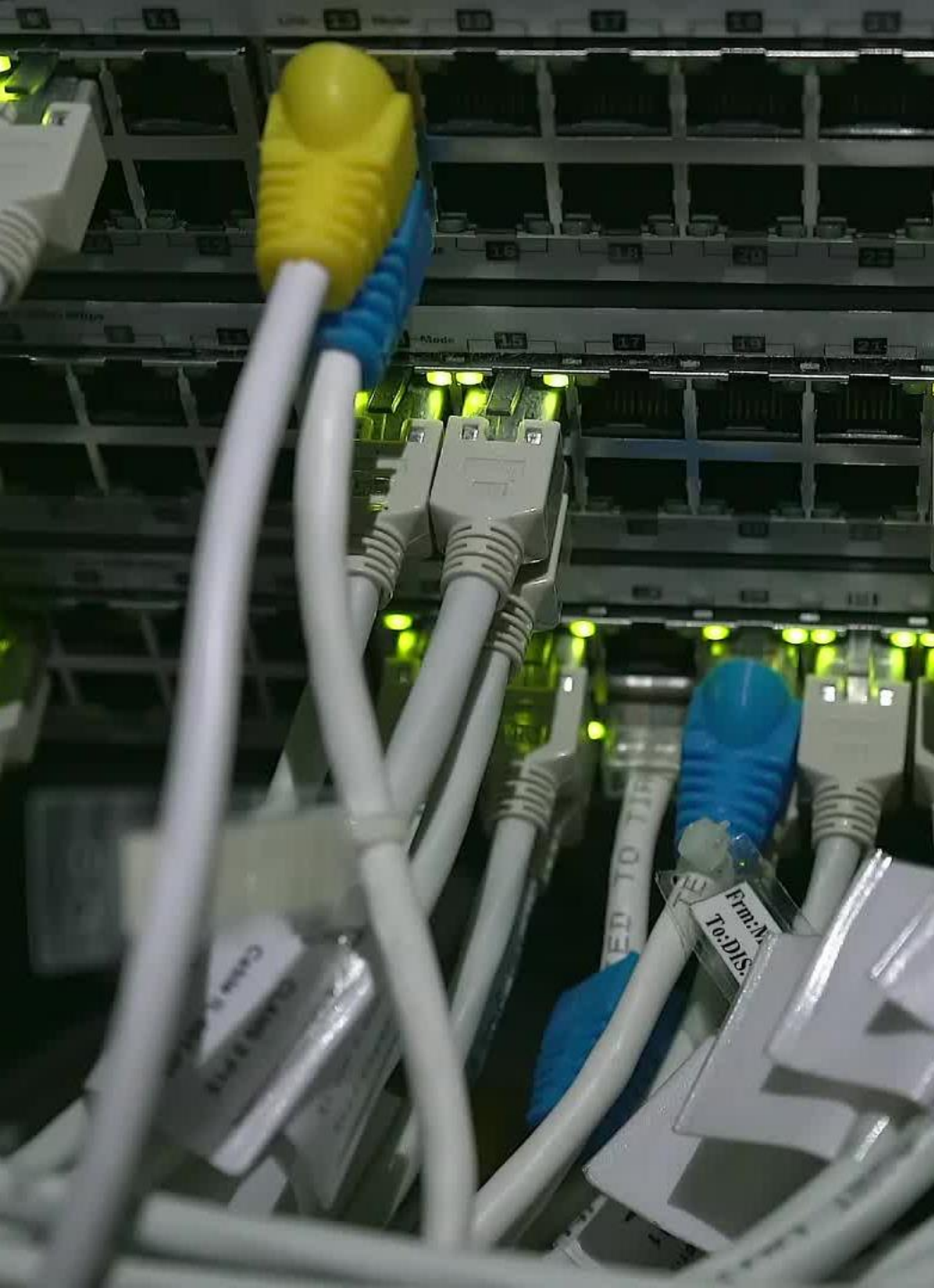


DATA EXTRACTION

Use scripting to
extract data from
Phonepe Pulse
GitHub repository.

Clone the
repository to
access the
required data.





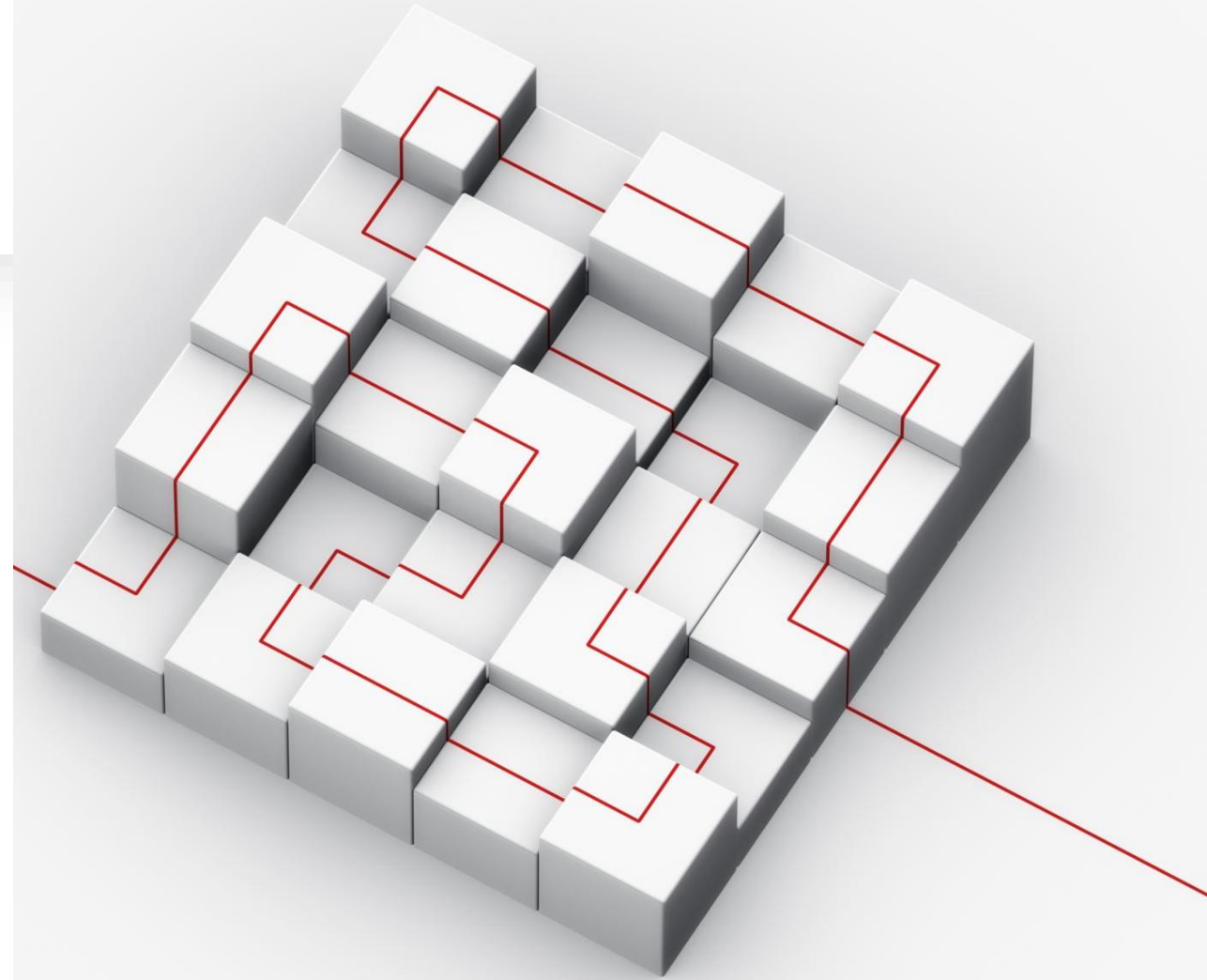
DATA TRANSFORMATION AND PREPROCESSING

- Cleaning the extracted data.
- Converting data into a suitable format.
- Addressing missing values, duplicates, and inconsistencies.

MYSQL DATA INTEGRATION

Database Schema Creation:

- **Identify Tables:** Based on the transformed data, identify distinct entities or data categories that require storage.
- **Define Table Structure:** For each entity, create tables specifying columns (fields) and their respective data types (e.g., INTEGER, VARCHAR, DATE).
- **Establish Relationships:** If applicable, define relationships between tables using primary keys and foreign keys to ensure data integrity.



LIVE GEO VISUALIZATION DASHBOARD

- Using Streamlit and Plotly in Python for interactive visualization.
- Displaying geographical data in an appealing and dynamic interface.



IMPLEMENTATION STEPS

- Scripting for data extraction.
- Transformation and preprocessing steps.
- MySQL database setup and data insertion.
- Development of the Streamlit and Plotly dashboard.

An abstract graphic on the left side of the slide. It features a dark blue background with a complex network of thin, light blue lines connecting various colored dots (blue, yellow, orange, and white). The lines and dots create a sense of depth and connectivity, resembling a data network or a molecular structure. The graphic is partially obscured by the white background of the slide.

RESULT AND VISUALIZATION

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- Visual representation of data trends.
 - Interactive maps and graphs displaying relevant insights.



THANK YOU

