

Mini Data Analytics Projects

1. YouTube Channel Analysis

Analyze a YouTube channel using public or personal data.

- Collect data using the YouTube Data API or CSV exports.
- Key Metrics: Views, Likes, Top Content, Subscriber Trends.
- Tools: Python (pandas, matplotlib), Excel for tabular summary.
- Bonus: Build a dashboard with Streamlit or Power BI.

GitHub Link: <https://github.com/yourusername/youtube-channel-analysis>

2. Weather Trends by City

Use OpenWeatherMap API to analyze temperature, humidity, and rainfall.

- Choose cities (e.g., Delhi, Mumbai, Bangalore).
- Clean & analyze data with Python (pandas, requests).
- Visualize seasonal and monthly weather patterns.
- Store long-term data in SQL for advanced queries.

GitHub Link: <https://github.com/yourusername/weather-trends-analysis>

3. IPL Match Stats Explorer

Explore IPL data to uncover player/team performance patterns.

- Download dataset from Kaggle.
- Analyze: Toss impact, win rates, player stats by overs.
- Tools: SQL (for querying), Python (pandas, seaborn), Excel (dashboards).
- Bonus: Create player comparison visualizations.

GitHub Link: <https://github.com/yourusername/ipl-match-stats-explorer>