

Plugging into the Future: Electricity Consumption Tableau Report

Project Overview

This project analyzes historical electricity consumption data and forecasts future trends using interactive Tableau dashboards. The objective is to understand usage patterns, sector-wise distribution, and future demand growth.

Key Features

- Year-wise electricity consumption trend analysis
- Sector-wise analysis (Residential, Commercial, Industrial)
- Regional comparison using map and bar charts
- Forecasting future electricity demand
- Interactive filters for dynamic insights

Key Insights

- Electricity demand is increasing steadily over the years.
- The industrial sector consumes the highest share of electricity.
- Urban regions show higher consumption compared to rural areas.
- Forecast models indicate continuous growth in electricity demand.

Tools Used

- Tableau for data visualization
- Excel / CSV dataset for data source
- Data cleaning and transformation techniques