

APAN56 Datathon

The Problem: Renewable Energy Site Selection for Efficient Power Generation in Sri Lanka

Problem Statement:

Welcome to the Renewable Energy Site Selection competition, focused on harnessing wind and solar resources for optimal power generation in various regions of Sri Lanka. This challenge tasks participants with leveraging a diverse dataset encompassing weather and geographical information to advise potential investors in the renewable energy sector. The goal is to craft a strategic report that recommends suitable cities for wind and solar energy projects, accounting for both efficient power generation and attractive return on investment (ROI).

Dataset Description:

Provided for this competition is a comprehensive dataset containing weather-related information, solar data, wind data, and geographical attributes across multiple locations in Sri Lanka. This dataset spans over a period of 13 years, enabling participants to explore long-term trends and seasonal variations.