

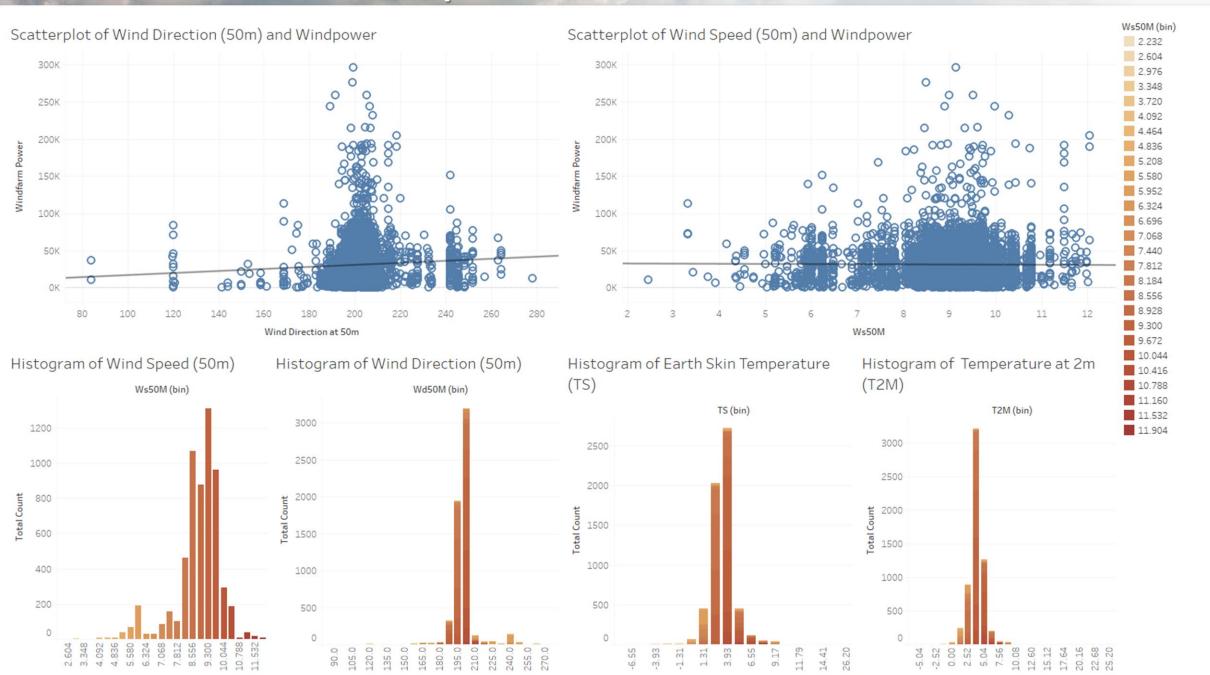




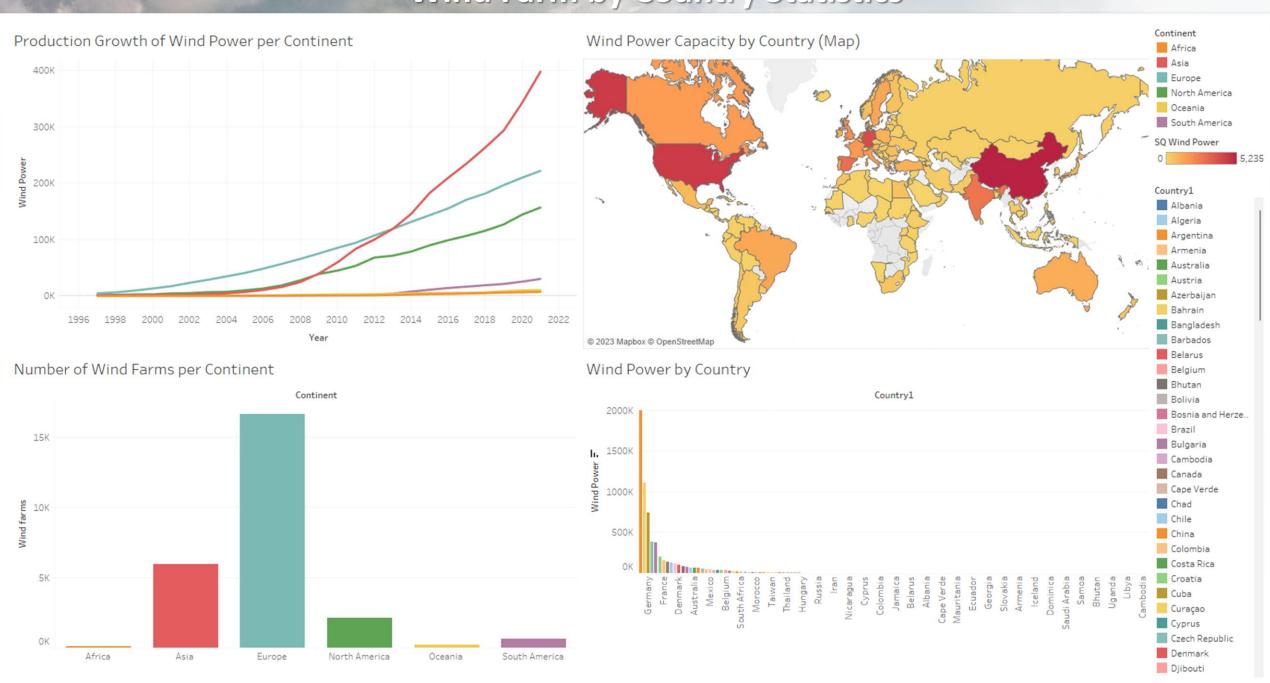
Predict the excess energy production and then optimize the energy storage system to store that excess energy for future use, and vice versa.

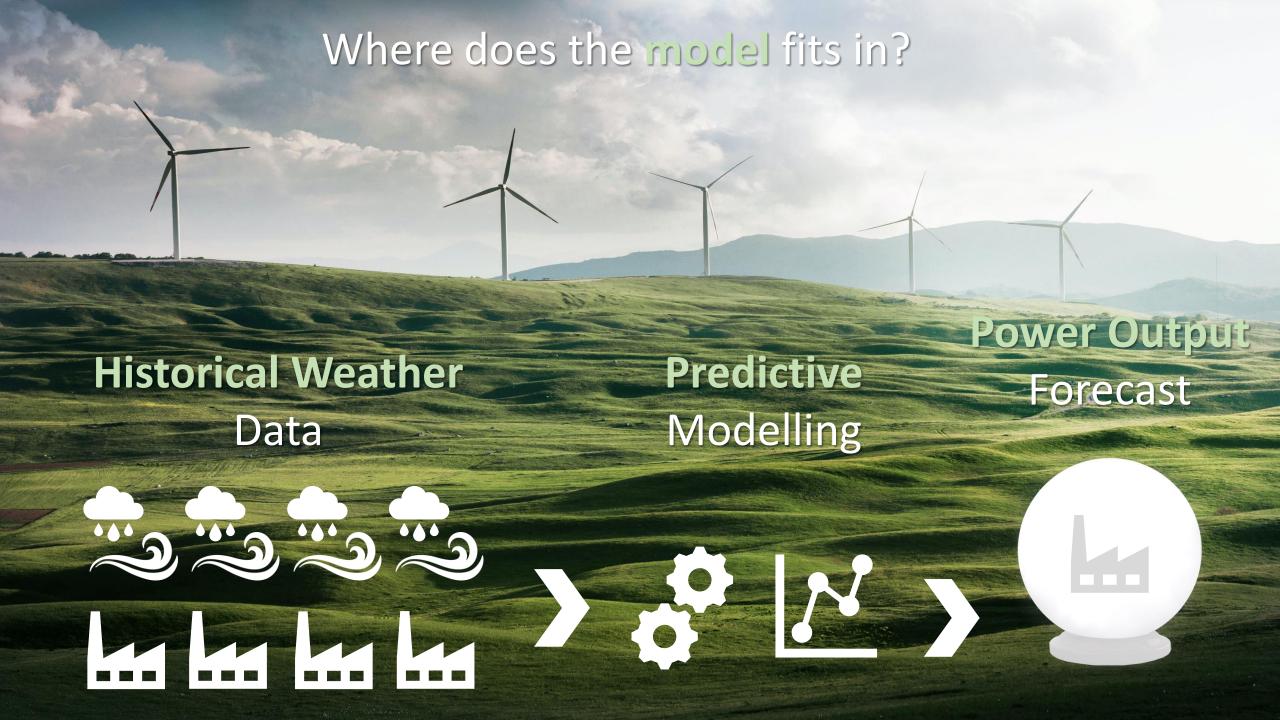


Scraped Wind Farm Data Statistics



Wind Farm by Country Statistics











Historical Monthly Data for each wind farm lacking

Exhaustive weather features lacking

- As, only last month's power generation data was available for each windfarm.
- This was used to build the model with input features as monthly averaged weather data.
- The data set was compiled as one row for each windfarm with corresponding power output.
- Random Forest Regressor was used to build the model.



