

Temperature Prediction



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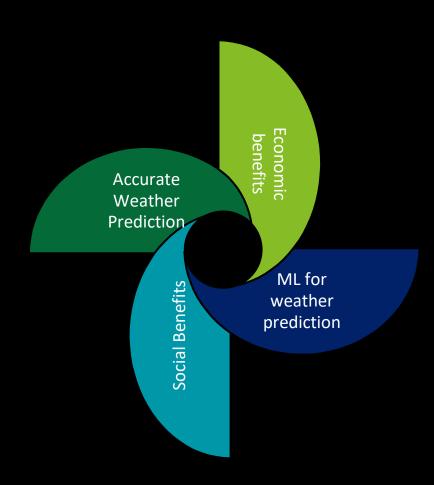
Training and Testing

What is next?

Q&A

Overview

- Importance of Accurate Weather Prediction
- Economic Benefits
- Machine Learning Analysis for Weather Forecasting
- Social Benefits of Accurate Weather prediction



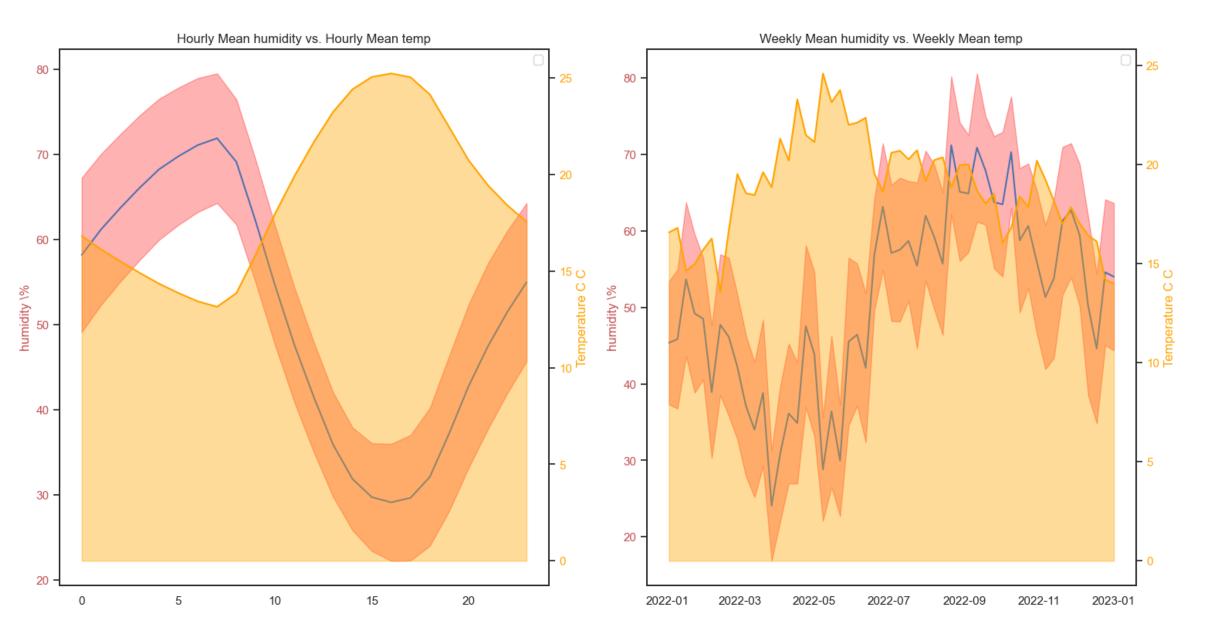
Understanding the data

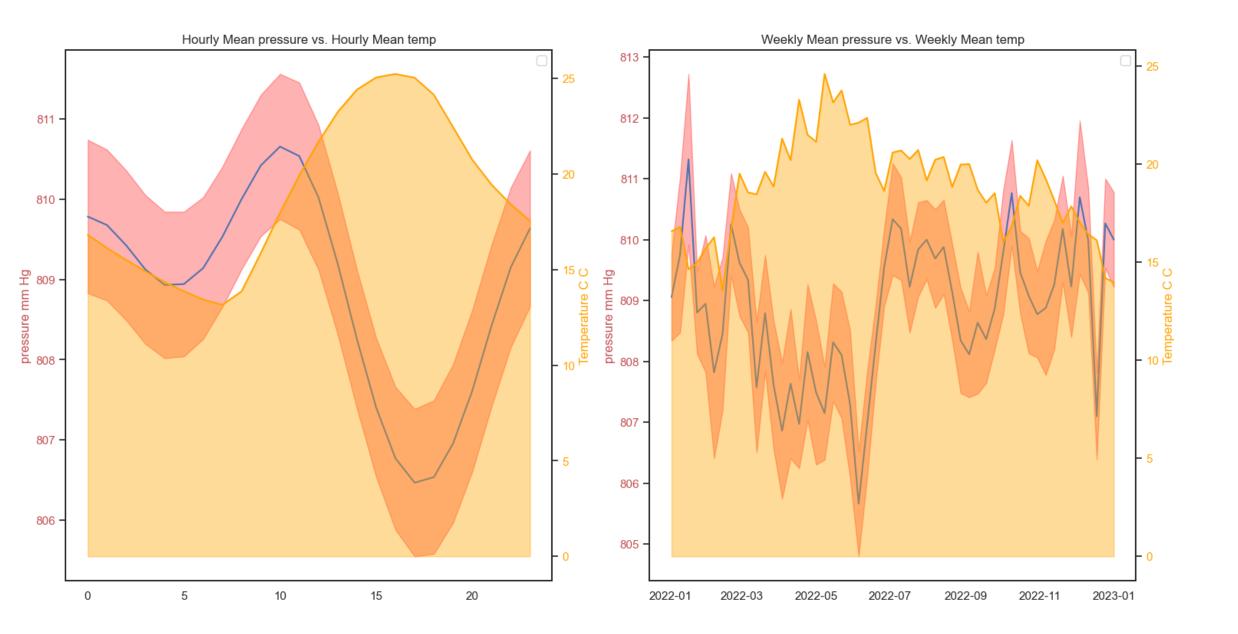
Temperature Pressure Solar Radiation Wind Direction 03 **Humidity Wind Speed** 06

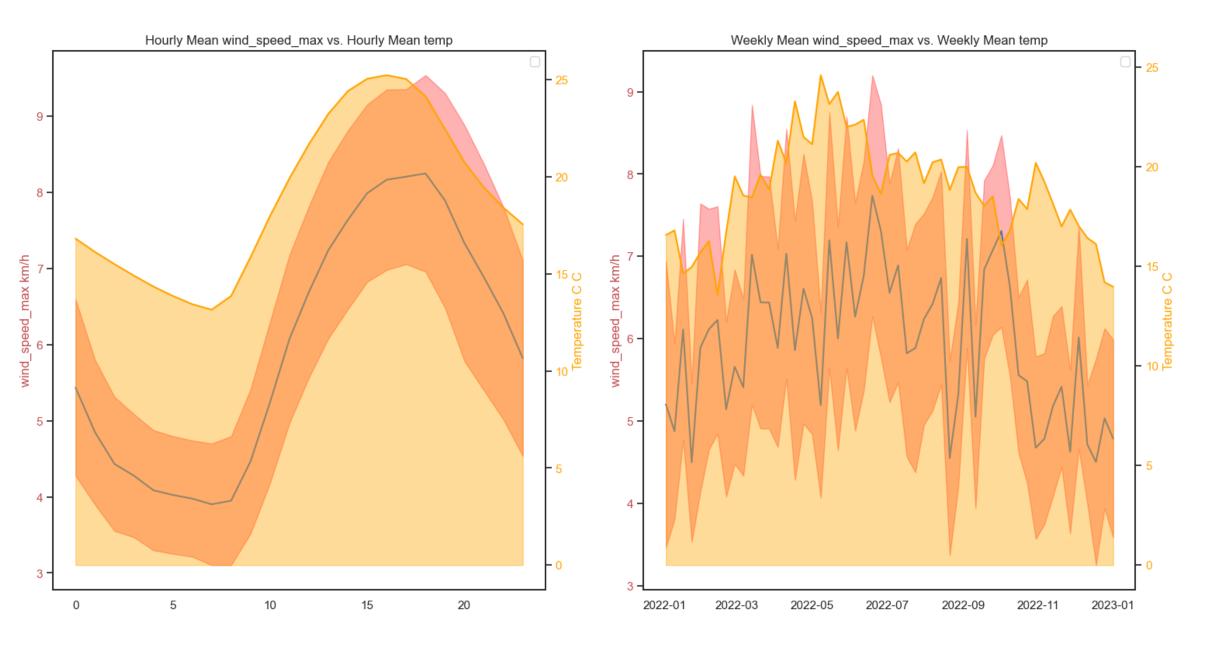
Pearson correlation Values

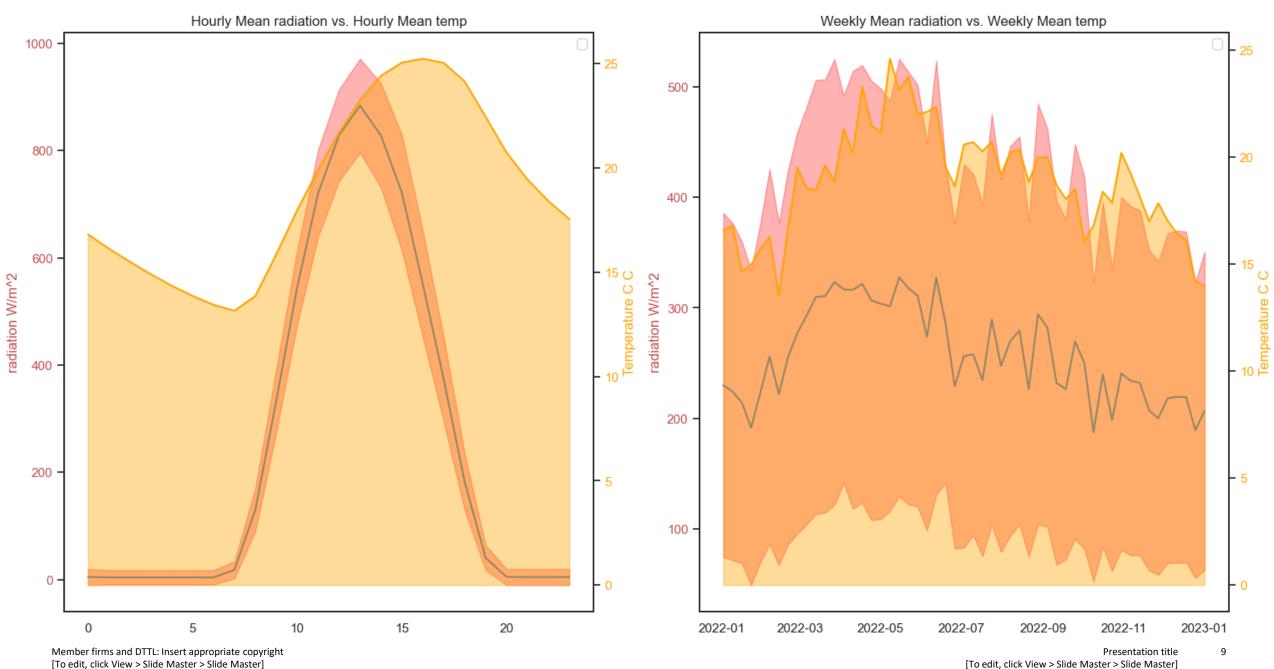
| | remperature vs. Radiation | 0.56 |
|---|----------------------------|-------|
| • | Temperature Vs. Wind Speed | 0.45 |
| • | Temperature Vs. Pressure | -0.53 |
| • | Temperature Vs. Humidity | -0.75 |

Data Exploration





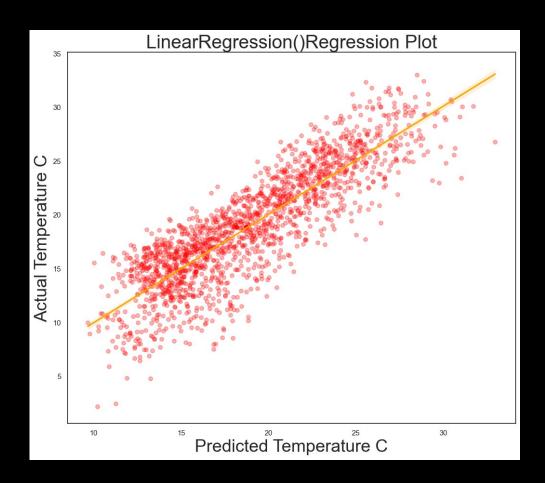


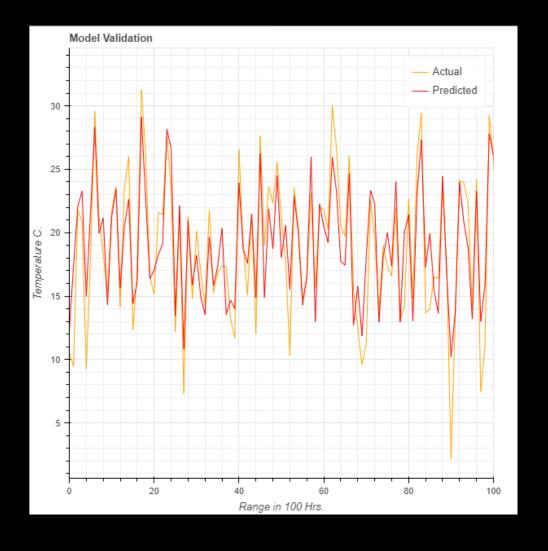


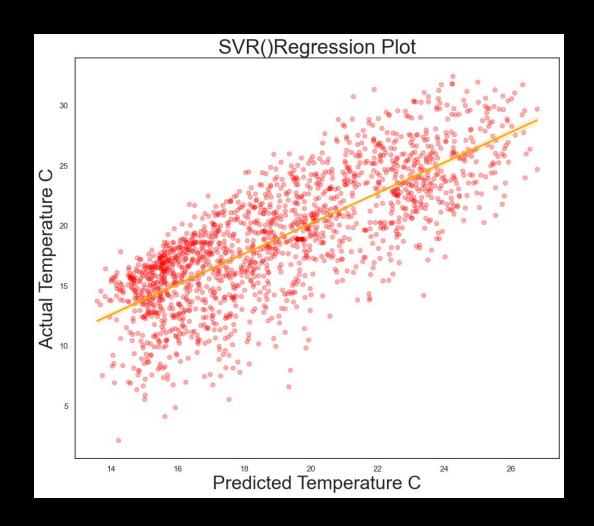
- Linear Regression
- Random Forest Regression
- Supper Vector Regression (SVR)

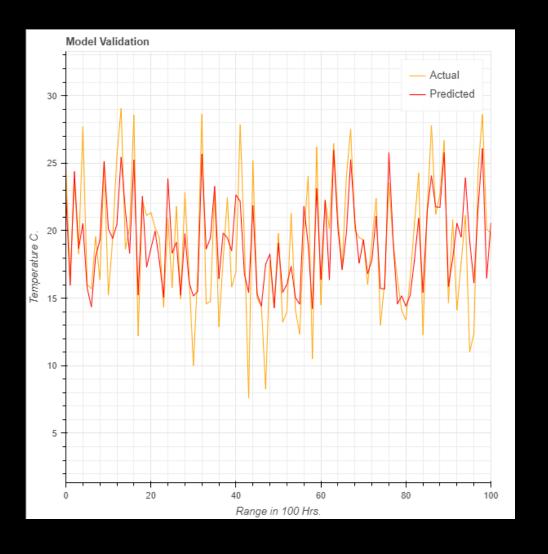


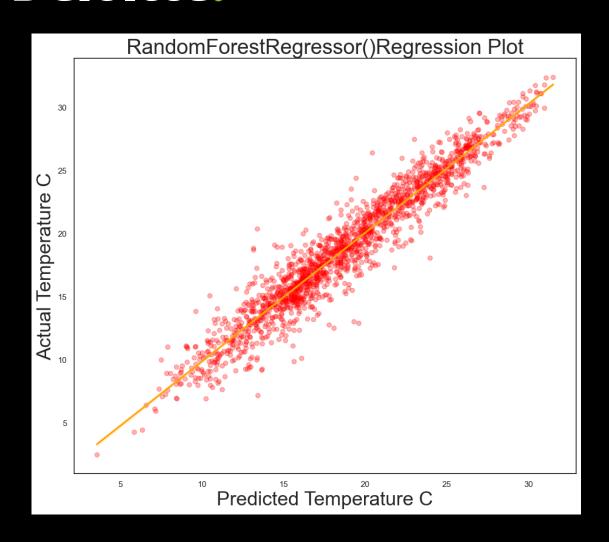
Training & Testing

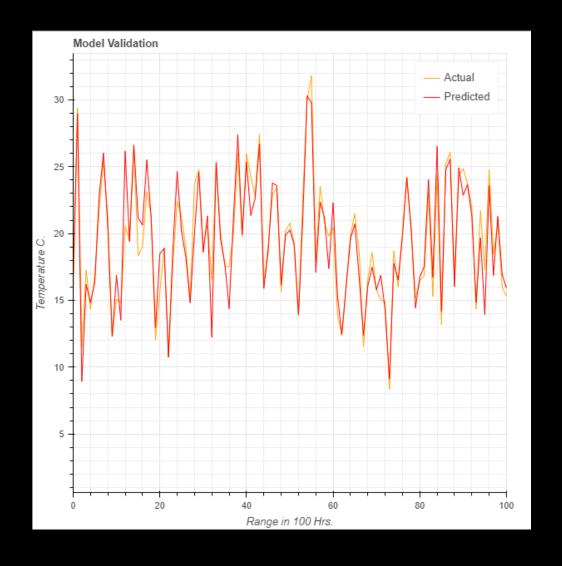












What is next?



Thanks for you attention!