

Forecast Results - Weather

Total Observations
1000

Forecast Horizon
30

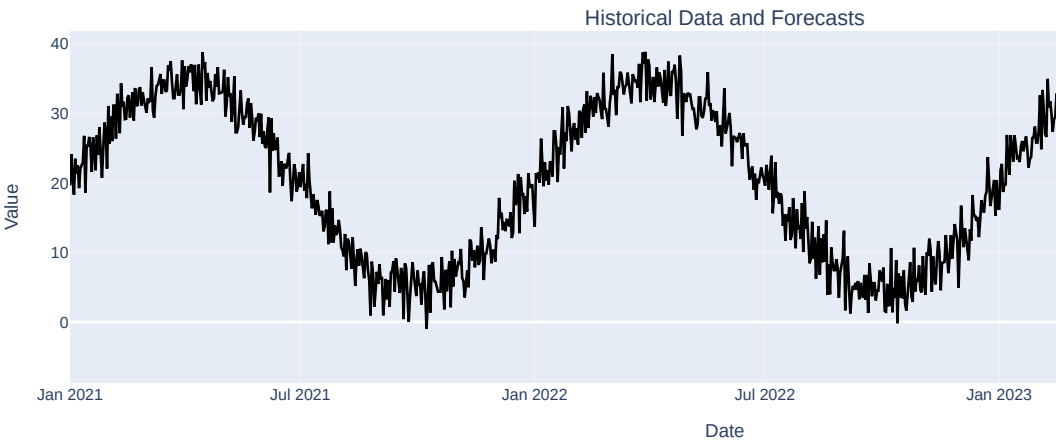
Data Range
2021-01-01 to 2023-09-27

Average Value
20.79

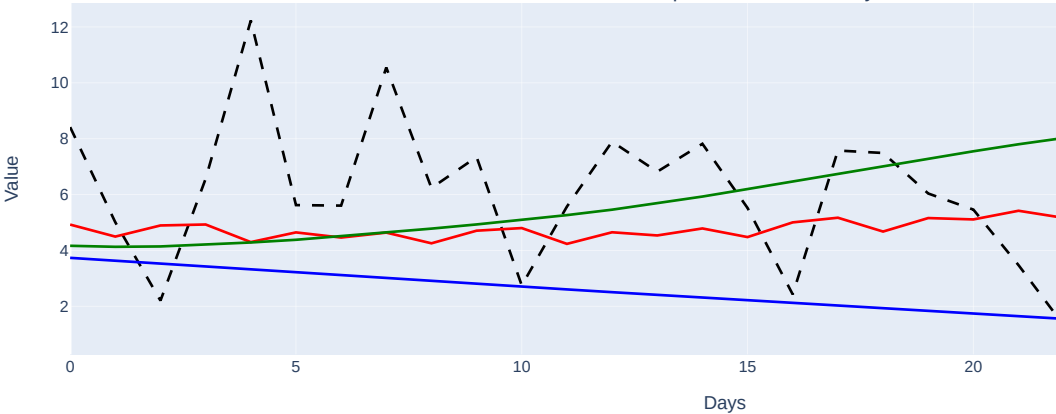
Standard Deviation
11.01

Forecast Visualization

Weather Forecasting Results



Model Comparison - Last 30 Days



Model Performance

| MODEL | MAE | RMSE | R2 |
|---------|--------|--------|---------|
| ARIMA | 3.3178 | 4.0217 | -1.2490 |
| Prophet | 2.5904 | 3.0497 | -0.2933 |
| LSTM | 3.1052 | 3.8810 | -1.0944 |

Forecast Values

| DATE | ACTUAL | ARIMA FORECAST | PROPHET FORECAST | 1 F |
|--------------------------|--------|----------------|------------------|--------|
| Sept. 28, 2023, midnight | N/A | 3.74 | 4.93 | 4 |
| Sept. 29, 2023, midnight | N/A | 3.63 | 4.50 | 4 |
| Sept. 30, 2023, midnight | N/A | 3.52 | 4.89 | 4 |
| Oct. 1, 2023, midnight | N/A | 3.42 | 4.93 | 4 |
| Oct. 2, 2023, midnight | N/A | 3.32 | 4.30 | 4 |
| Oct. 3, 2023, midnight | N/A | 3.21 | 4.65 | 4 |
| Oct. 4, 2023, midnight | N/A | 3.11 | 4.46 | 4 |
| Oct. 5, 2023, midnight | N/A | 3.01 | 4.64 | 4 |
| Oct. 6, 2023, midnight | N/A | 2.91 | 4.26 | 4 |
| Oct. 7, 2023, midnight | N/A | 2.81 | 4.71 | 4 |
| Oct. 8, 2023, midnight | N/A | 2.71 | 4.80 | ! |
| Oct. 9, 2023, midnight | N/A | 2.61 | 4.24 | ! |
| Oct. 10, 2023, midnight | N/A | 2.51 | 4.65 | ! |
| Oct. 11, 2023, midnight | N/A | 2.41 | 4.54 | ! |
| Oct. 12, 2023, midnight | N/A | 2.31 | 4.79 | ! |
| Oct. 13, 2023, midnight | N/A | 2.21 | 4.48 | (|
| Oct. 14, 2023, midnight | N/A | 2.12 | 5.00 | (|
| Oct. 15, 2023, midnight | N/A | 2.02 | 5.17 | (|
| Oct. 16, 2023, midnight | N/A | 1.92 | 4.68 | ; |
| Oct. 17, 2023, midnight | N/A | 1.83 | 5.16 | ; |
| Oct. 18, 2023, midnight | N/A | 1.73 | 5.11 | ; |

| DATE | ACTUAL | ARIMA FORECAST | PROPHET FORECAST | 1 σ |
|-------------------------|--------|-------------------|---------------------|--------|
| Oct. 19, 2023, midnight | N/A | 1.64 | 5.42 | 1.64 |
| Oct. 20, 2023, midnight | N/A | 1.55 | 5.17 | 1.55 |
| Oct. 21, 2023, midnight | N/A | 1.45 | 5.74 | 1.45 |
| Oct. 22, 2023, midnight | N/A | 1.36 | 5.95 | 1.36 |
| Oct. 23, 2023, midnight | N/A | 1.27 | 5.49 | 1.27 |
| Oct. 24, 2023, midnight | N/A | 1.18 | 6.01 | 1.18 |
| Oct. 25, 2023, midnight | N/A | 1.09 | 5.98 | 1.09 |
| Oct. 26, 2023, midnight | N/A | 1.00 | 6.31 | 1.00 |
| Oct. 27, 2023, midnight | N/A | 0.91 | 6.07 | 0.91 |

[New Forecast](#) [Print Results](#)