Temperature Precipitation Humidity 0.8 Temperature 1.00 -0.010.09 0.6 0.4 0.2

1.00

-0.04

-0.04

1.00

0

-0.2

-0.4

-0.6

-0.8

Correlation Heatmap

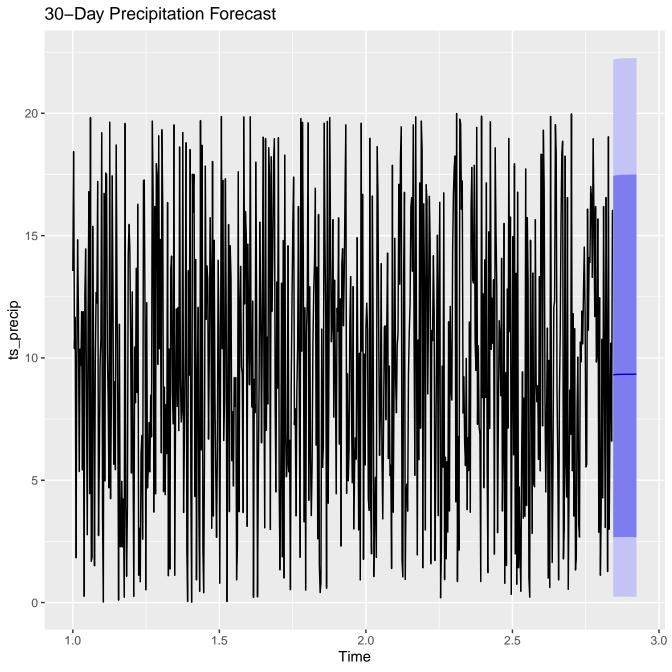
Humidity -0.01

0.09

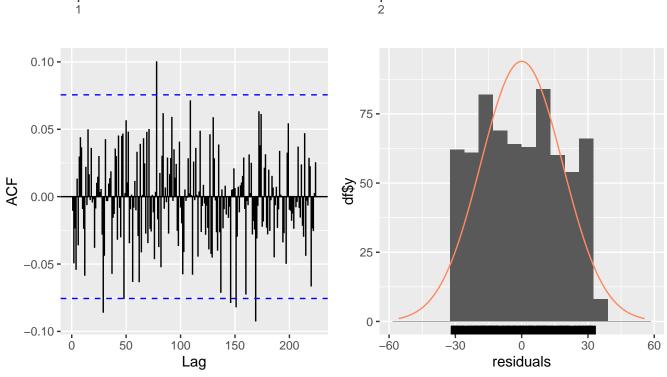
Precipitation

30-Day Temperature Forecast 50 **-**25 ts_temp 0 --25 **-**3.0 1.0 1.5 2.5 2.0 Time

30-Day Humidity Forecast 100 -75 ts_humidity 50 **-**25 **-**0 -1.0 3.0 1.5 2.0 Time 2.5



20 -0 --20 **-**0.10 -75 **-**0.05 -



50 -25 -0 --25 **-**-50 **-**2 100 -0.10 -75 **-**0.05 df\$y 50 **-**25 **-**-0.05 **-**

0 -

-50

50

o residuals

-0.10 **-**

50

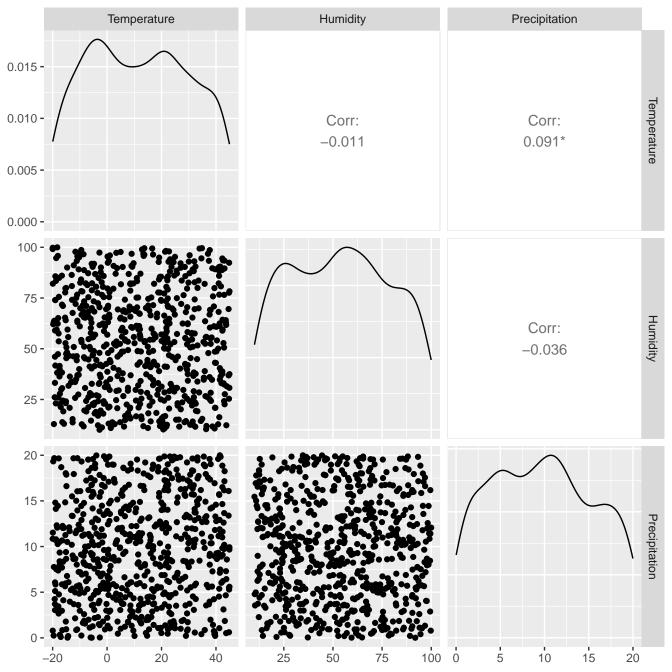
100

Lag

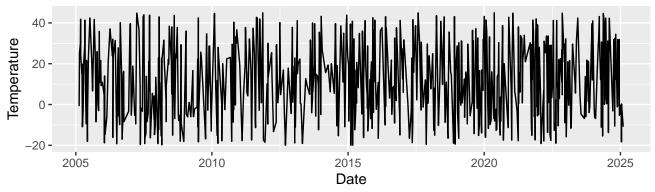
150

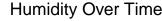
200

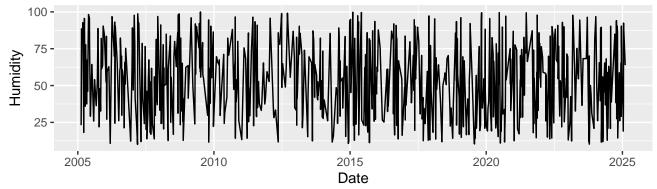
Residuals from BATS(0.762, $\{0,0\}$, 0.832, –) 4 -0 -2 0.05 -75 of \$0 -25 **-**-0.05 **-**-0.10 **-**10 100 5**0** 150 200 -10 <u>-</u>5 residuals Lag



Temperature Over Time







Precipitation Over Time

