

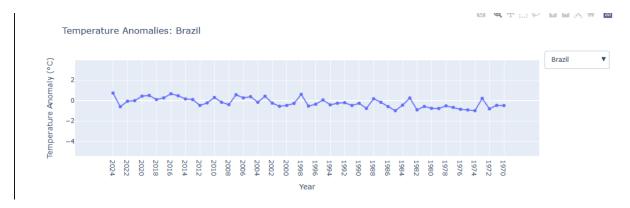
Temperature Anomalies: China

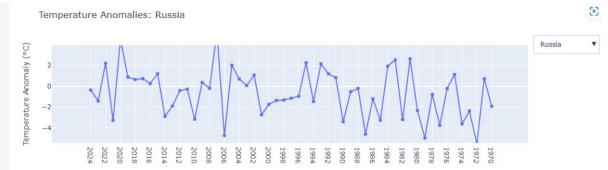


E 4 Thir

M = 20, T

[6]





Global Model Metrics:
AIC: 66.75678326258341
BIC: 78.69068754196907
MAE: 0.40183143471518684
MSE: 0.7147896323711652
P-Values: ar.L1 0.000138
ar.L2 0.247232
ar.L3 0.636312
ar.L4 0.386853
ar.L5 0.208691
sigma2 0.000002
dtype: float64

United States Model Metrics:
AIC: 186.63030341116007
BIC: 186.63030341116007
BIC: 186.56420769094571
MAE: 1.0717293449548375
MSE: 1.609734614642576
P-Values: ar.L1 2.890267e-07
ar.L2 2.579217e-05
ar.L3 7.407794e-02
ar.L4 1.421288e-02
ar.L5 3.424988e-01
sigma2 8.894346e-05
dtype: float64

China Model Metrics:
AIC: 173.4869837531671
BIC: 185.42088803755174
MAE: 0.8188420848573174
MSE: 1.1758308472518482
P-Values: ar.L1 1.015738e-04
ar.L2 1.149798e-03
ar.L3 1.069801e-01
ar.L4 1.458693e-01
ar.L5 3.33965e-01

6.689768e-08

sigma2

India Model Metrics:
AIC: 103.31925567165013
BIC: 115.25315995103577
MAE: 0.4700062652830652
MSE: 0.3130159675393618
P-Values: ar.l1 1.099653e-11
ar.l2 4.880968e-03
ar.l3 1.802707e-01
ar.l4 2.052730e-01
ar.l4 2.052730e-01
ar.l5 1.967634e-02
sigma2 1.716482e-05
dtype: float64
BraxII Model Metrics:
AIC: 66.92930592037499
BIC: 78.86321019976064

BIC: 78.86321019976064
MAE: 0.32254212783663194
MSE: 0.16316529393312806
P-Values: ar.l.1 2.734152e-08
ar.l.2 5.191726e-05
ar.l.3 2.463557e-02
ar.l.4 3.237488e-01
ar.l.5 6.456857e-01
sigma2 1.196762e-05
dtype: float64

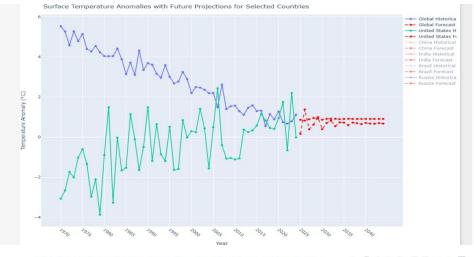
Russia Model Metrics: AIC: 261.2066108727628 BIC: 273.1405151521484 MAE: 2.068875583156426 MSE: 5.08830535133349 P-Values: ar.l1 6.606997e-10 ar.l2 9.420351e-03 ar.l3 1.73755e-01 ar.l4 1.607244e-01 ar.L5 9.157422e-01 sigma2 2.871613e-04

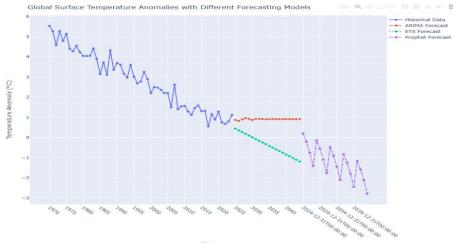


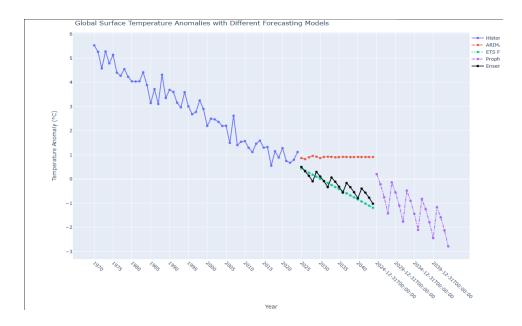
in Global Temperature Anomalies (threshold 1.5):

IQR Outliers in Global Temperature Anomalies: Series([], dtype: float64) Global Surface Temperature Anomalies with Outliers









Tried to improve the ensemble model

