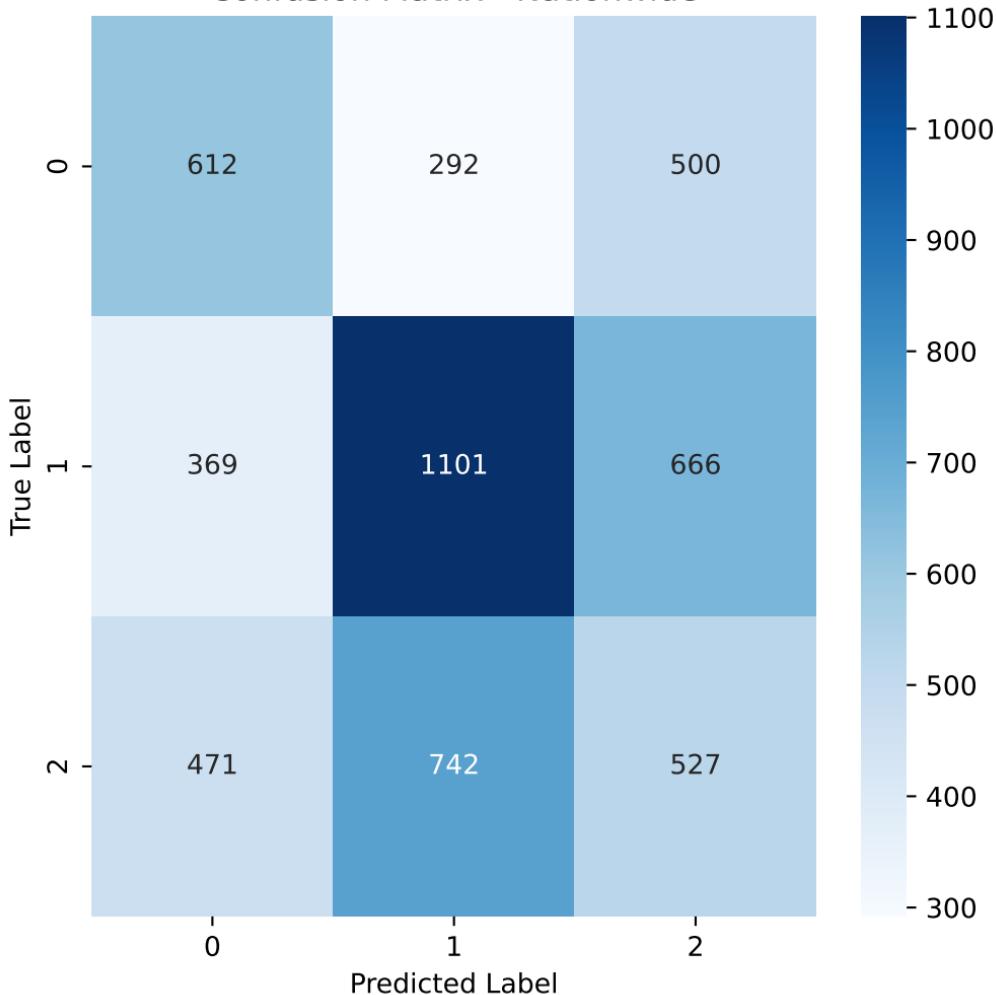


Confusion Matrix - Nationwide



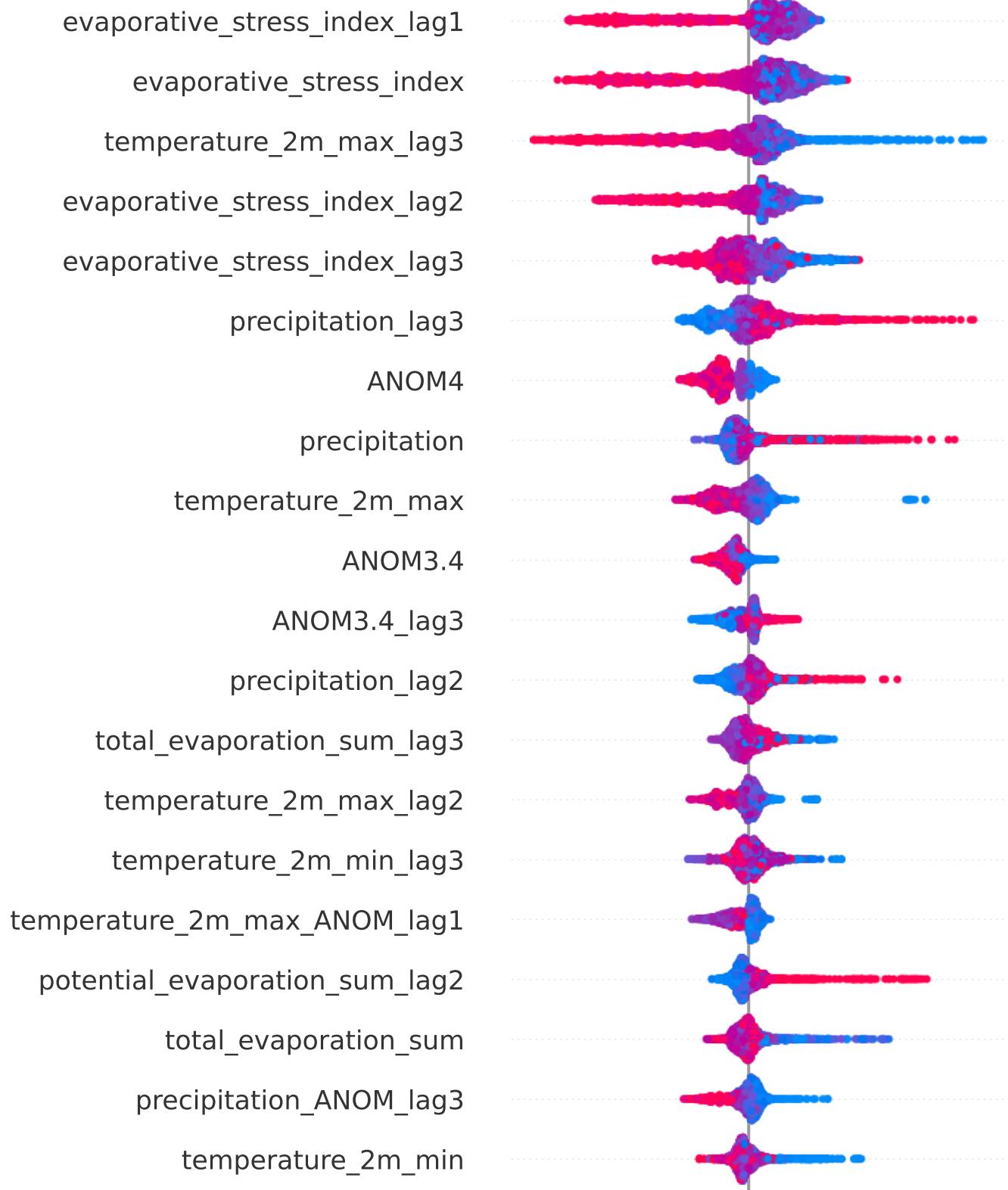
SHAP Beeswarm Plot for Class 0 - Nationwide

High

Feature value

Low

SHAP value (impact on model output)

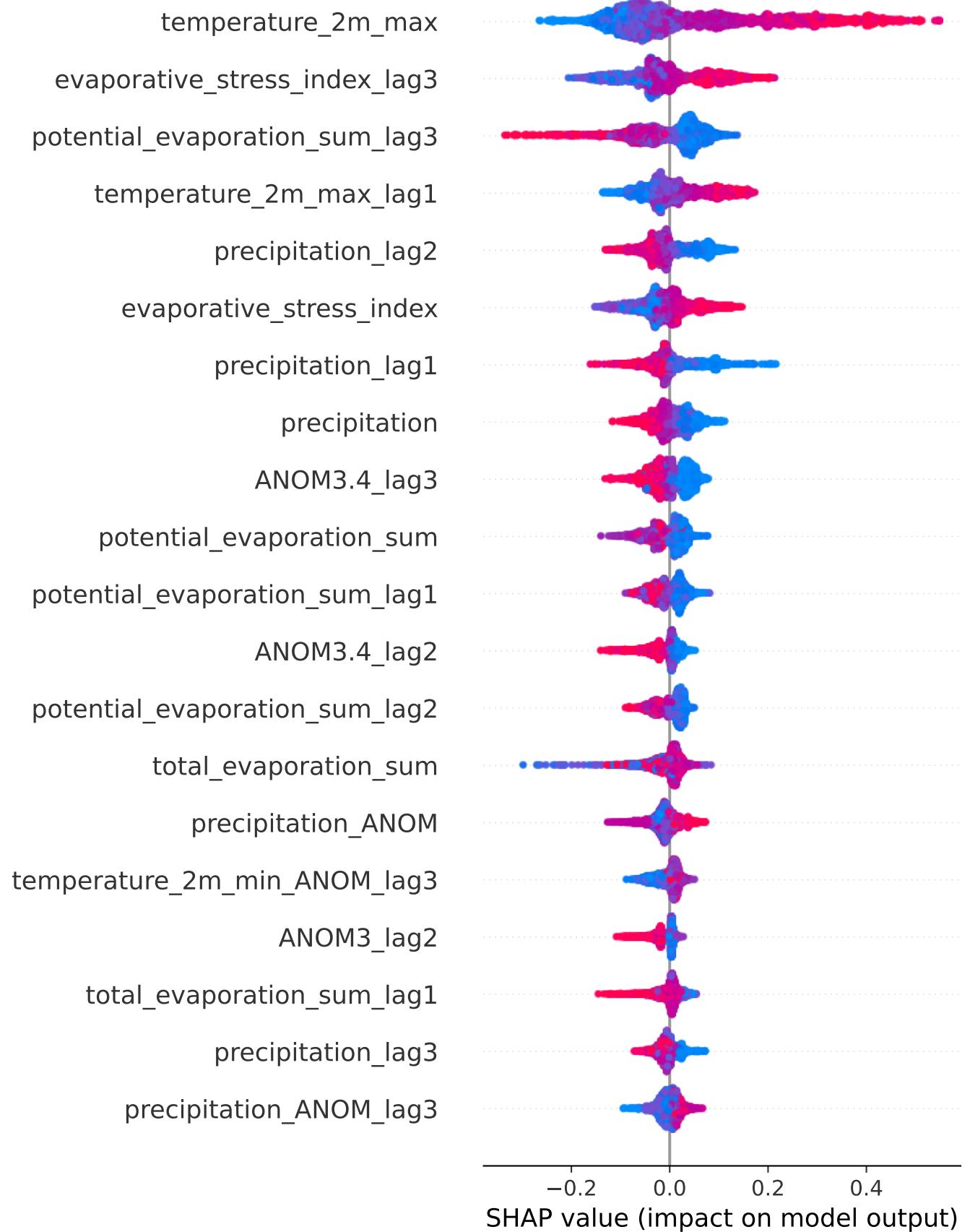


SHAP Beeswarm Plot for Class 1 - Nationwide

High

Feature value

Low



SHAP Beeswarm Plot for Class 2 - Nationwide

High

ANOM4

ANOM4_lag1

evaporative_stress_index

evaporative_stress_index_lag1

ANOM3.4_lag3

DMI_lag1

temperature_2m_min_lag3

precipitation_lag3

total_evaporation_sum_lag1

ANOM1+2

temperature_2m_min

temperature_2m_min_ANOM_lag2

temperature_2m_max_lag3

evaporative_stress_index_lag2

temperature_2m_min_lag2

aridity_index

total_evaporation_sum

aridity_index_lag3

potential_evaporation_sum_lag3

total_evaporation_sum_lag3

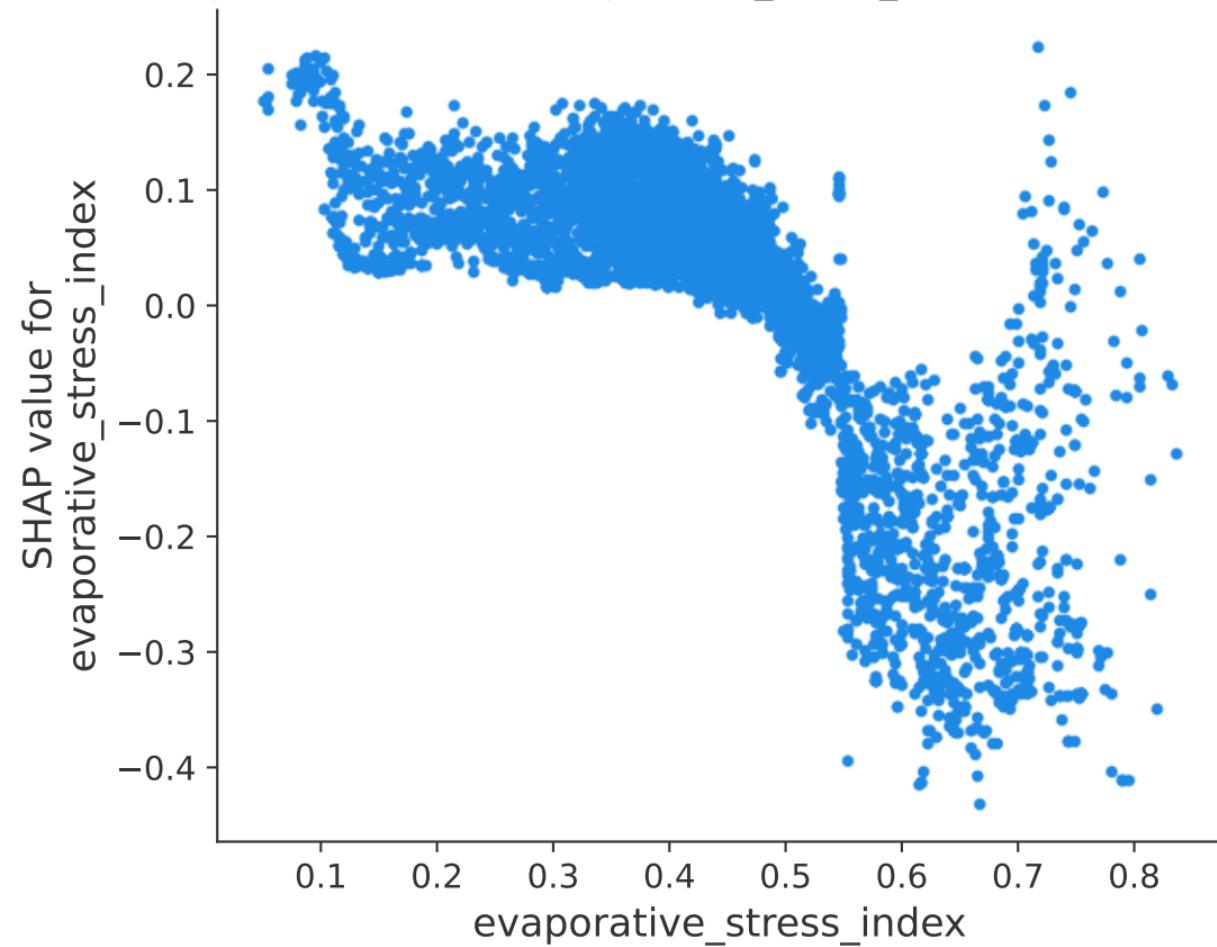
SHAP value (impact on model output)

Low

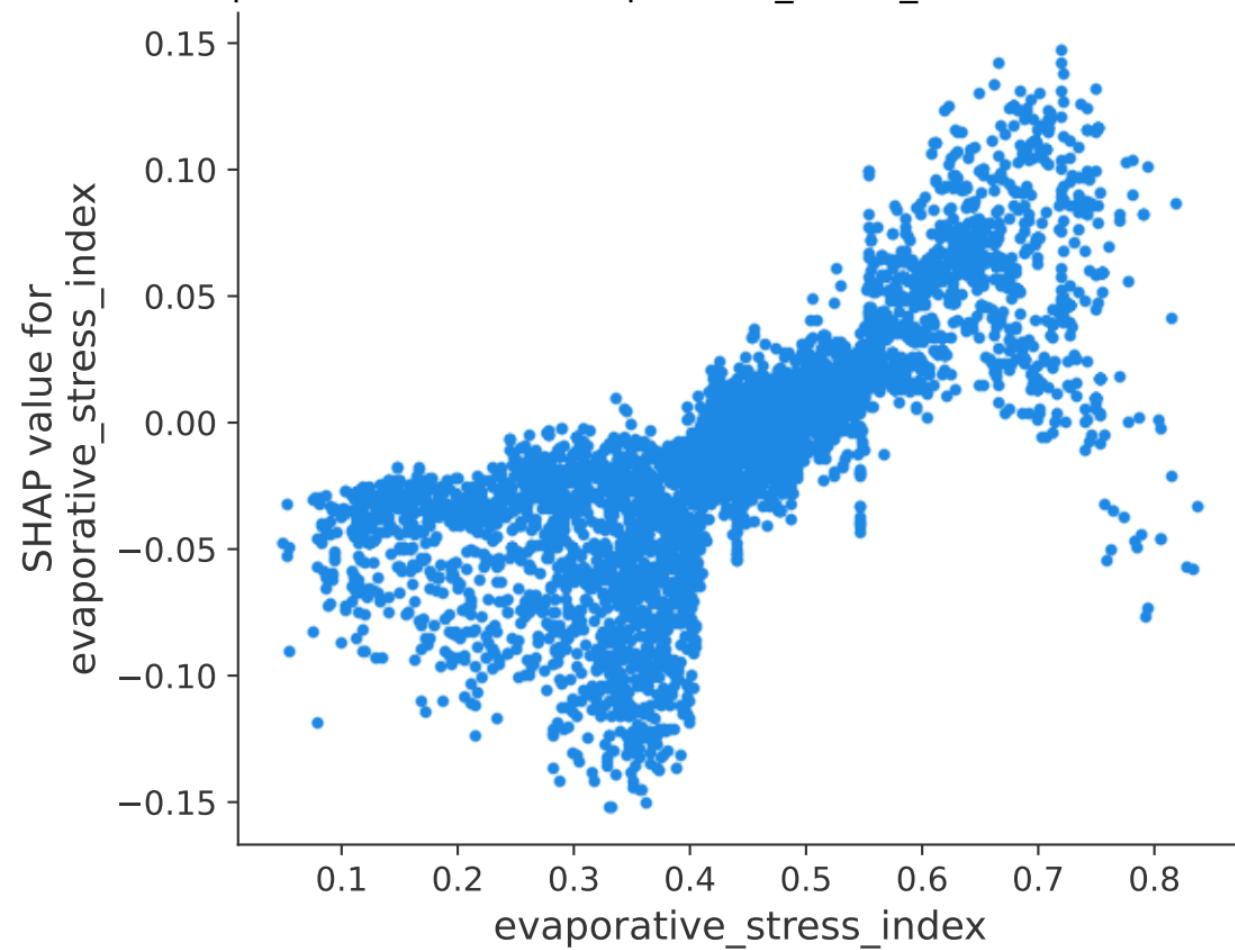
Feature value

High

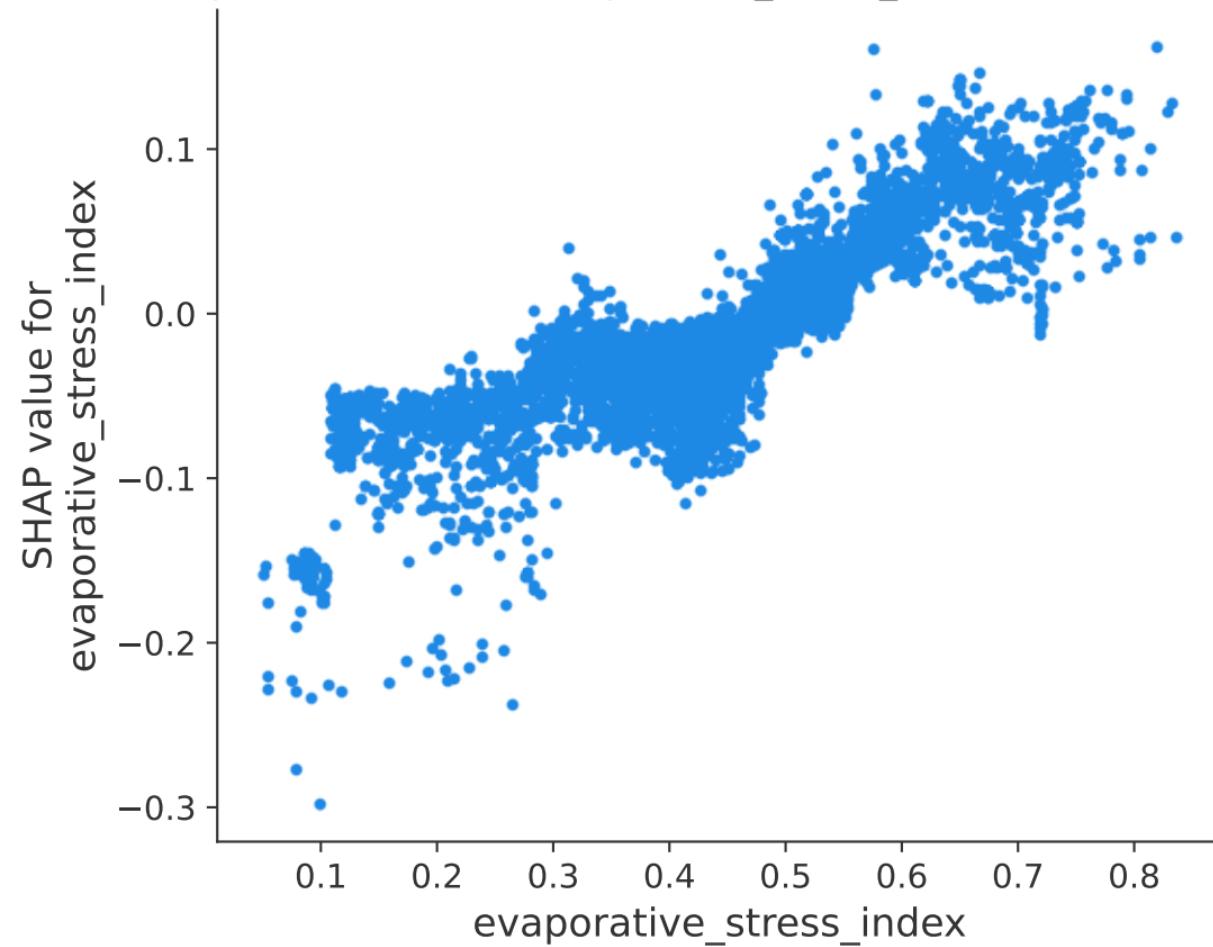
SHAP Dependence Plot for evaporative_stress_index, Class 0 - Nationwide



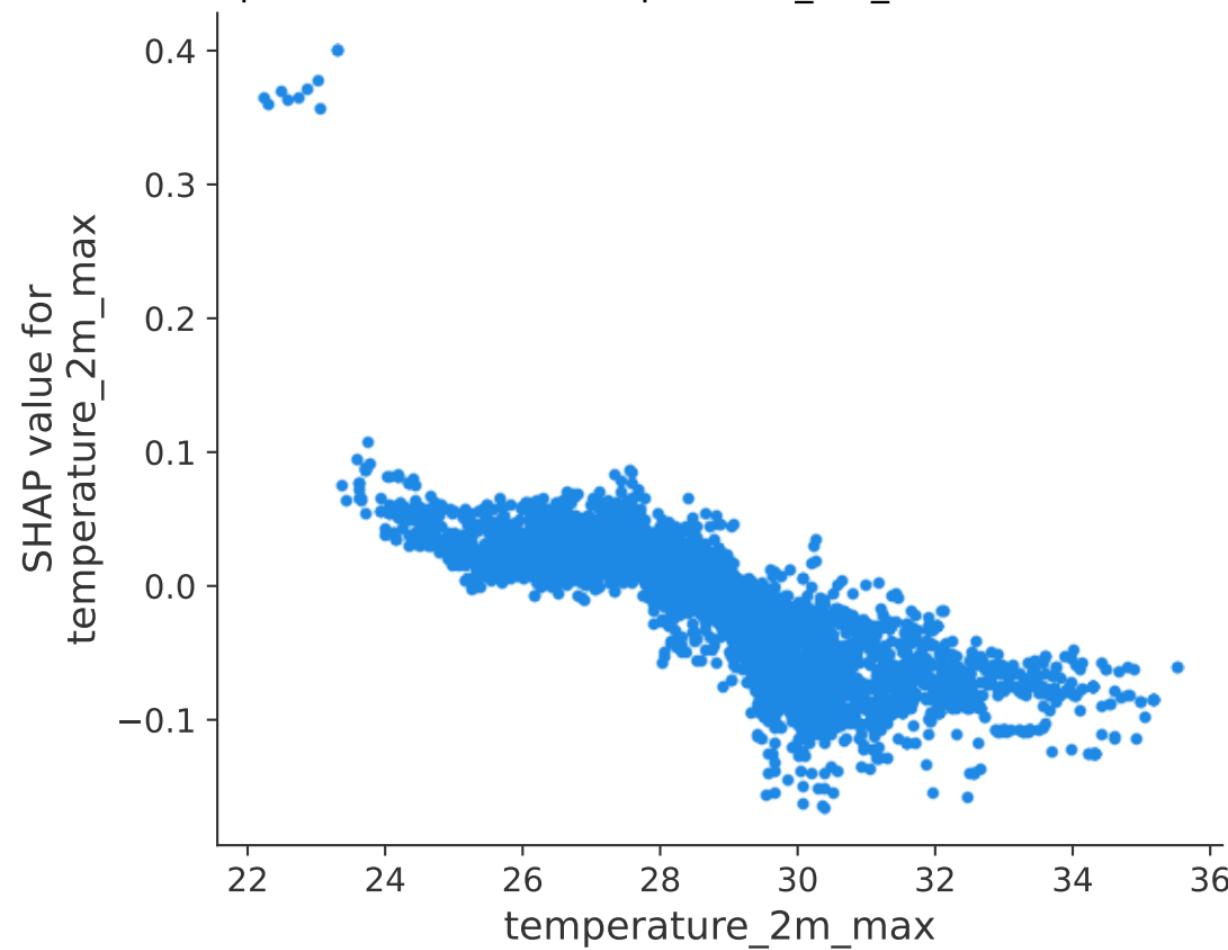
SHAP Dependence Plot for evaporative_stress_index, Class 1 - Nationwide



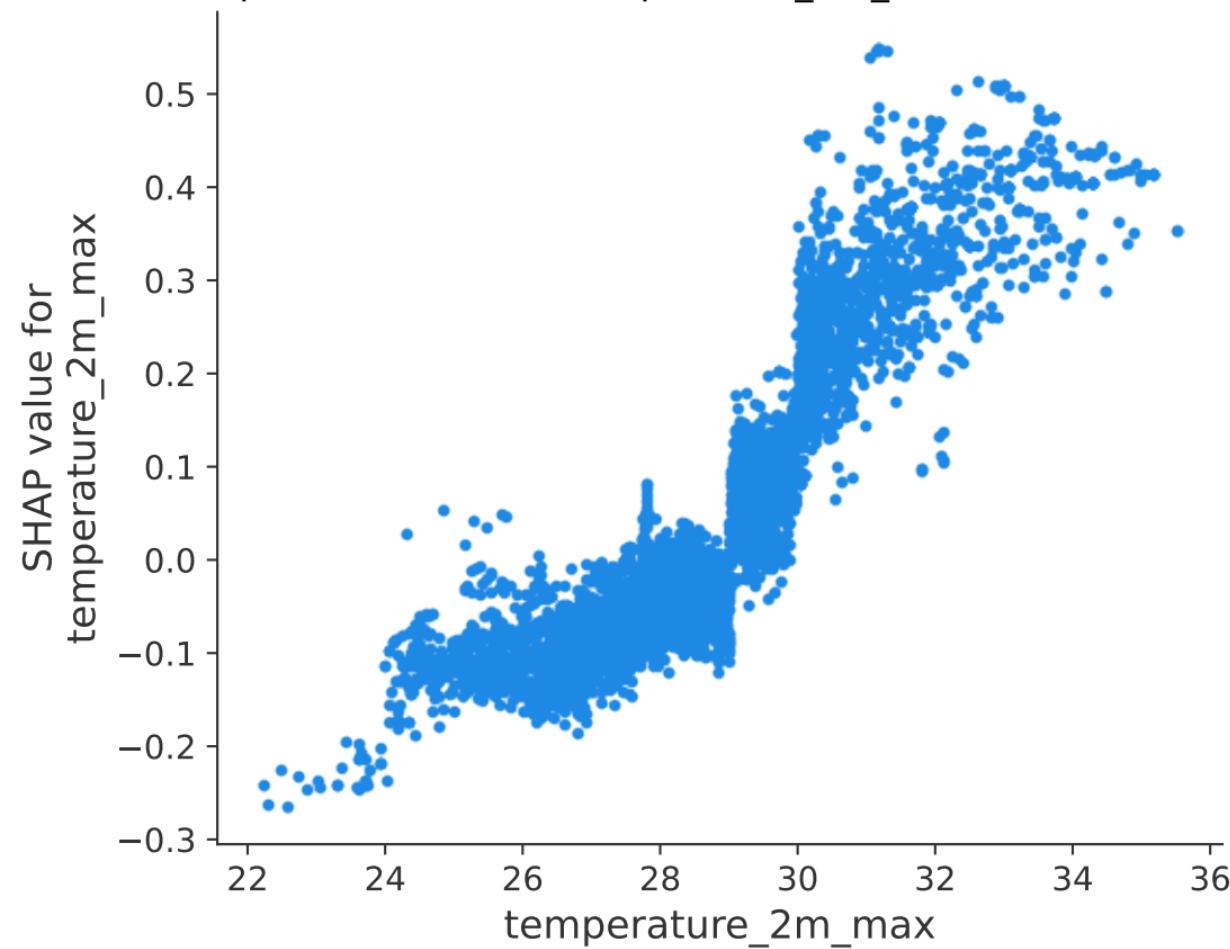
SHAP Dependence Plot for evaporative_stress_index, Class 2 - Nationwide



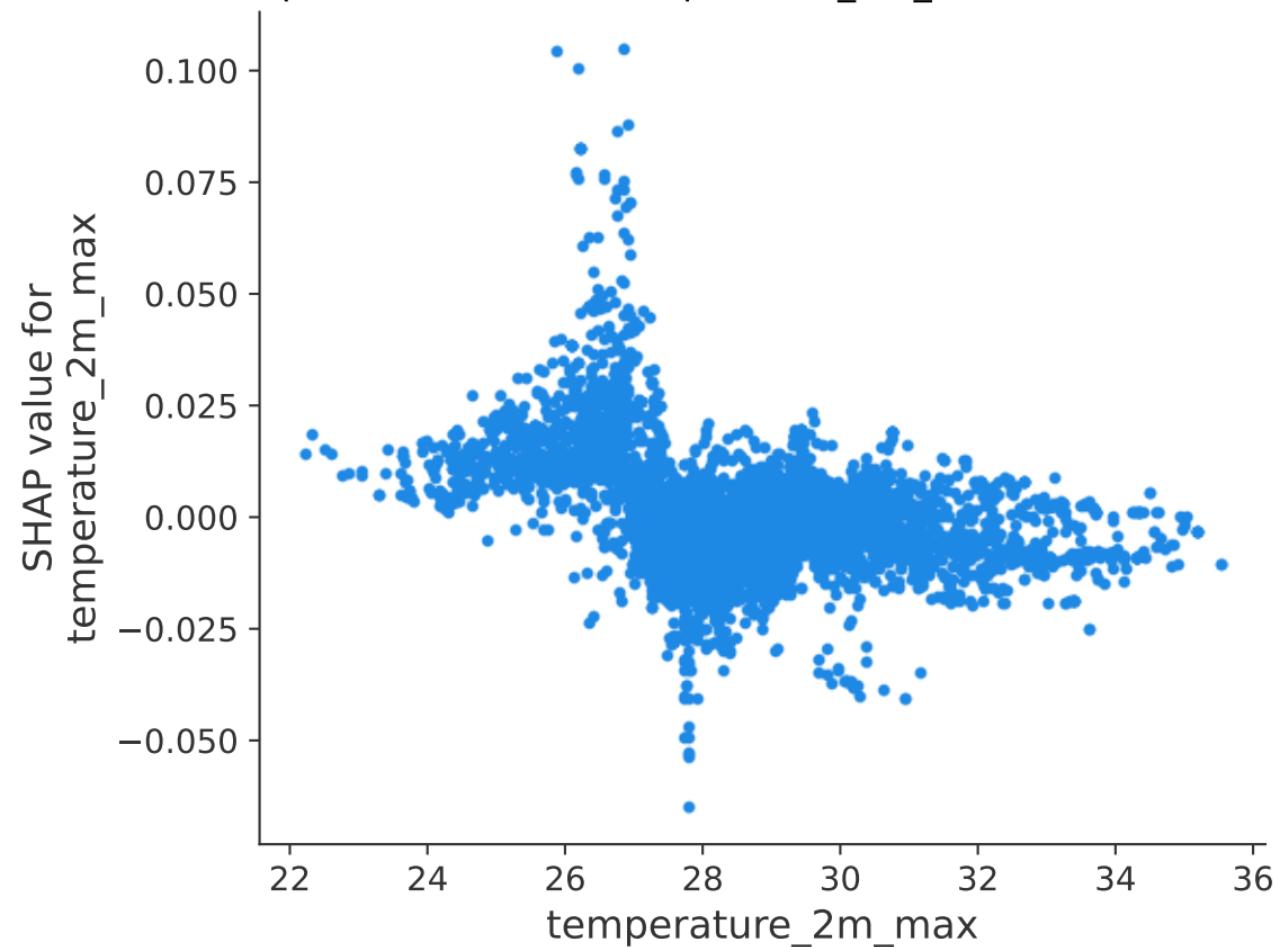
SHAP Dependence Plot for temperature_2m_max, Class 0 - Nationwide



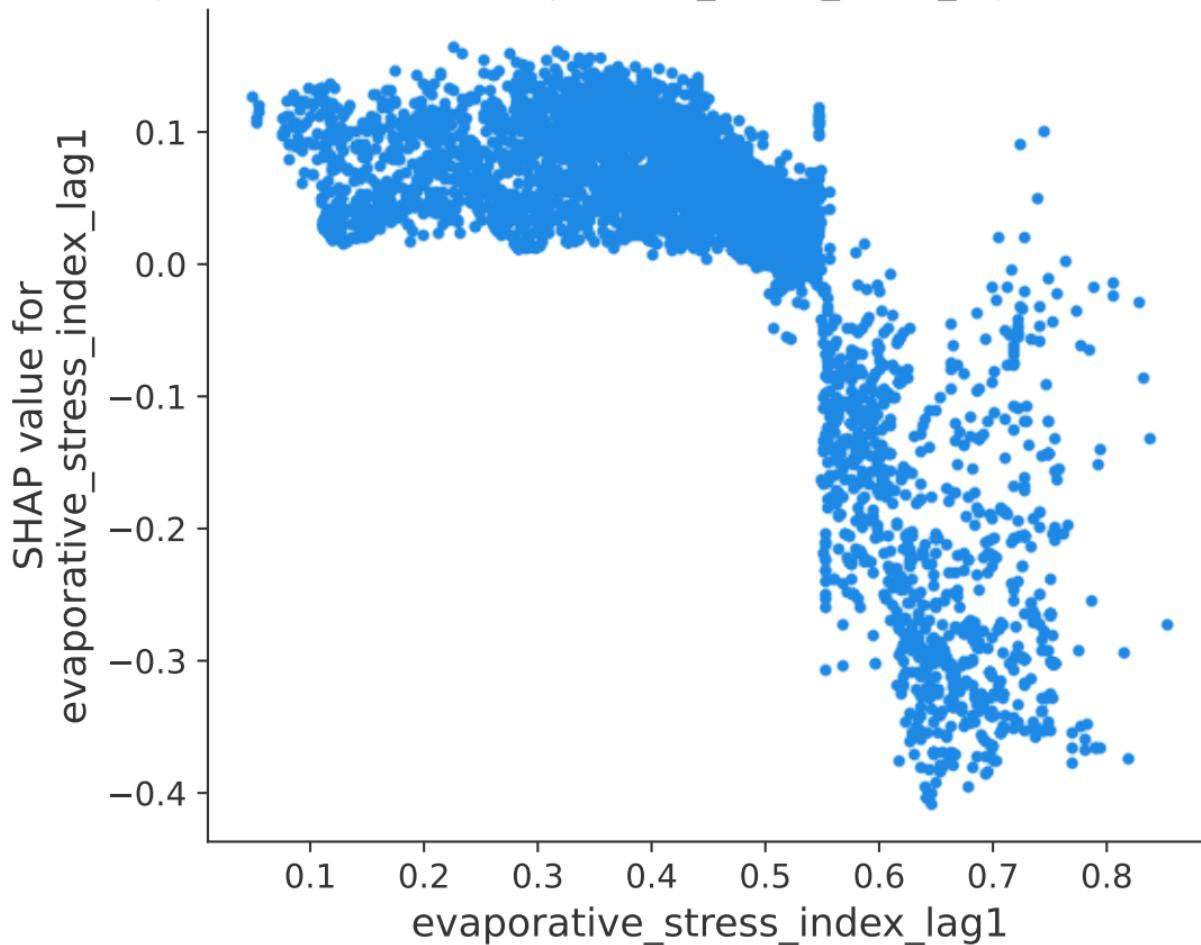
SHAP Dependence Plot for temperature_2m_max, Class 1 - Nationwide



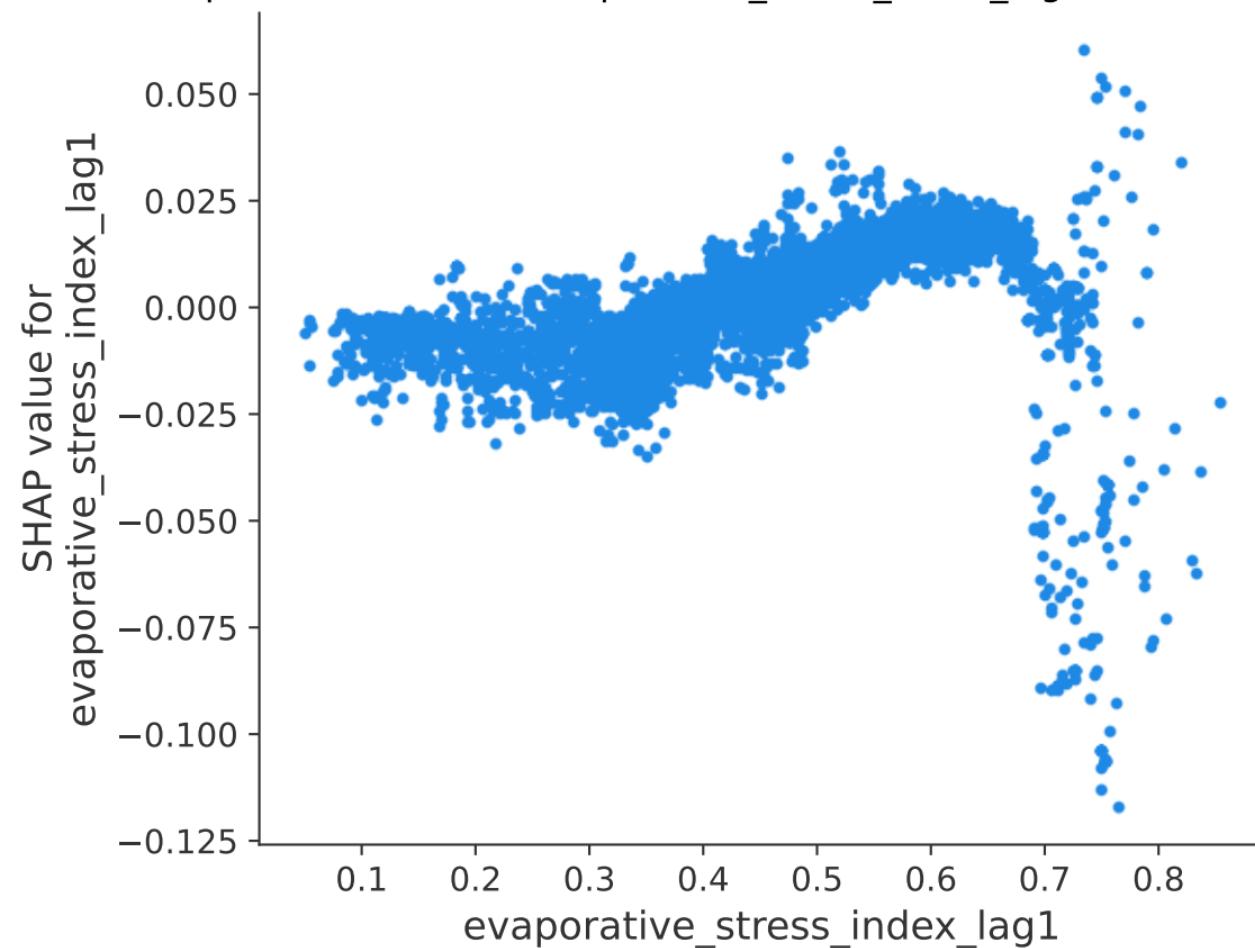
SHAP Dependence Plot for temperature_2m_max, Class 2 - Nationwide



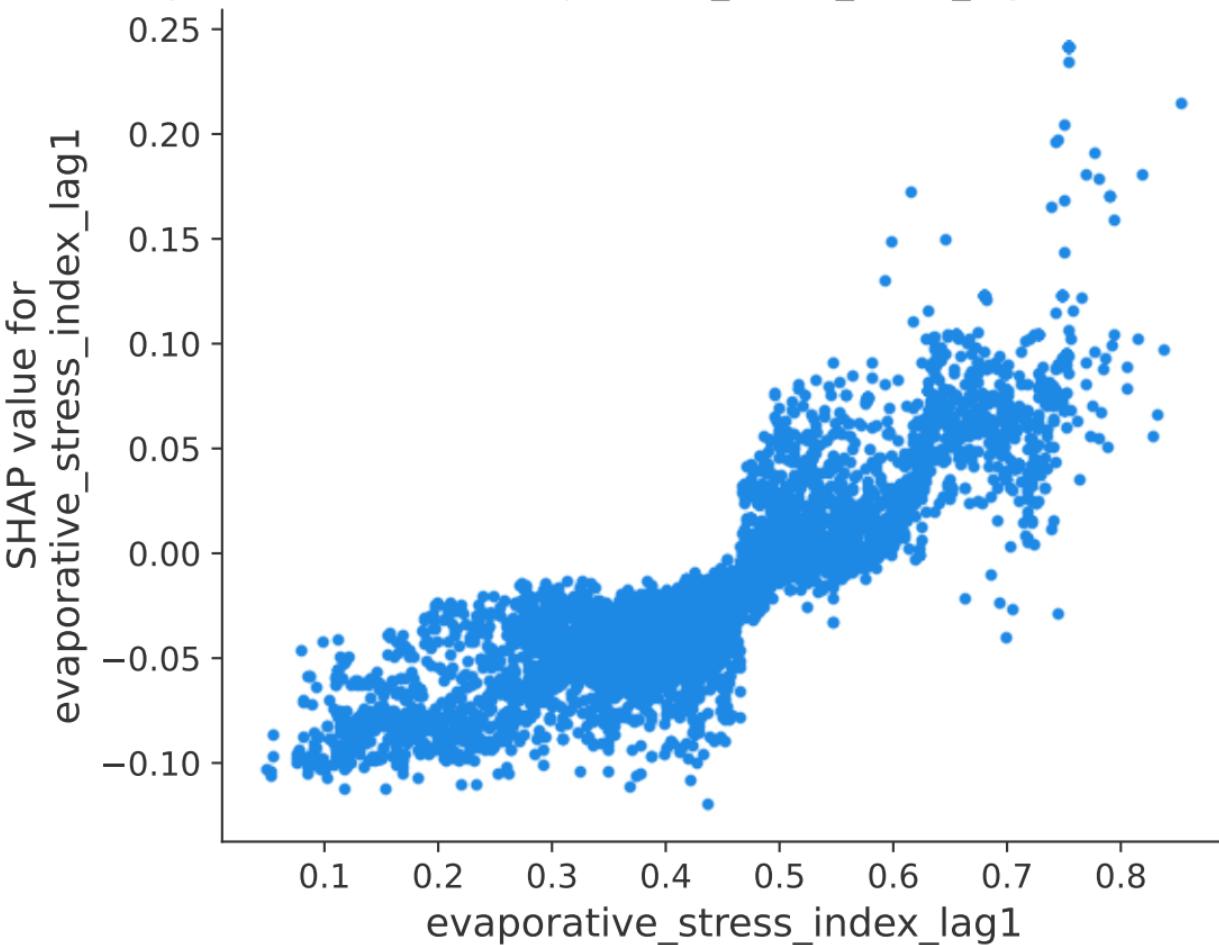
SHAP Dependence Plot for evaporative_stress_index_lag1, Class 0 - Nationwide



SHAP Dependence Plot for evaporative_stress_index_lag1, Class 1 - Nationwide



SHAP Dependence Plot for evaporative_stress_index_lag1, Class 2 - Nationwide



SHAP Dependence Plot for ANOM4, Class 0 - Nationwide

SHAP value for
ANOM4

0.05

0.00

-0.05

-0.10

-0.15

-0.50

-0.25

0.00

0.25

0.50

0.75

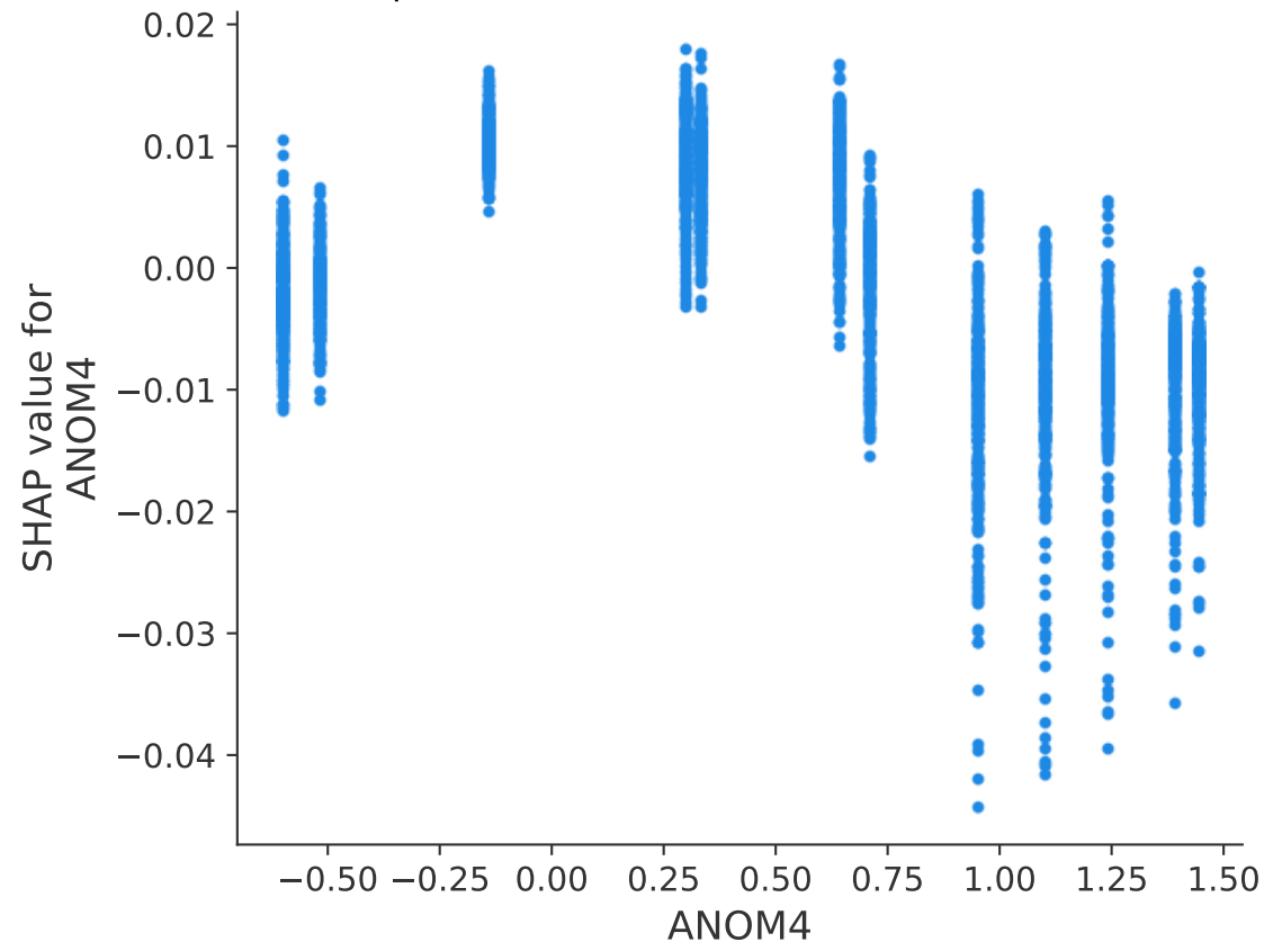
1.00

1.25

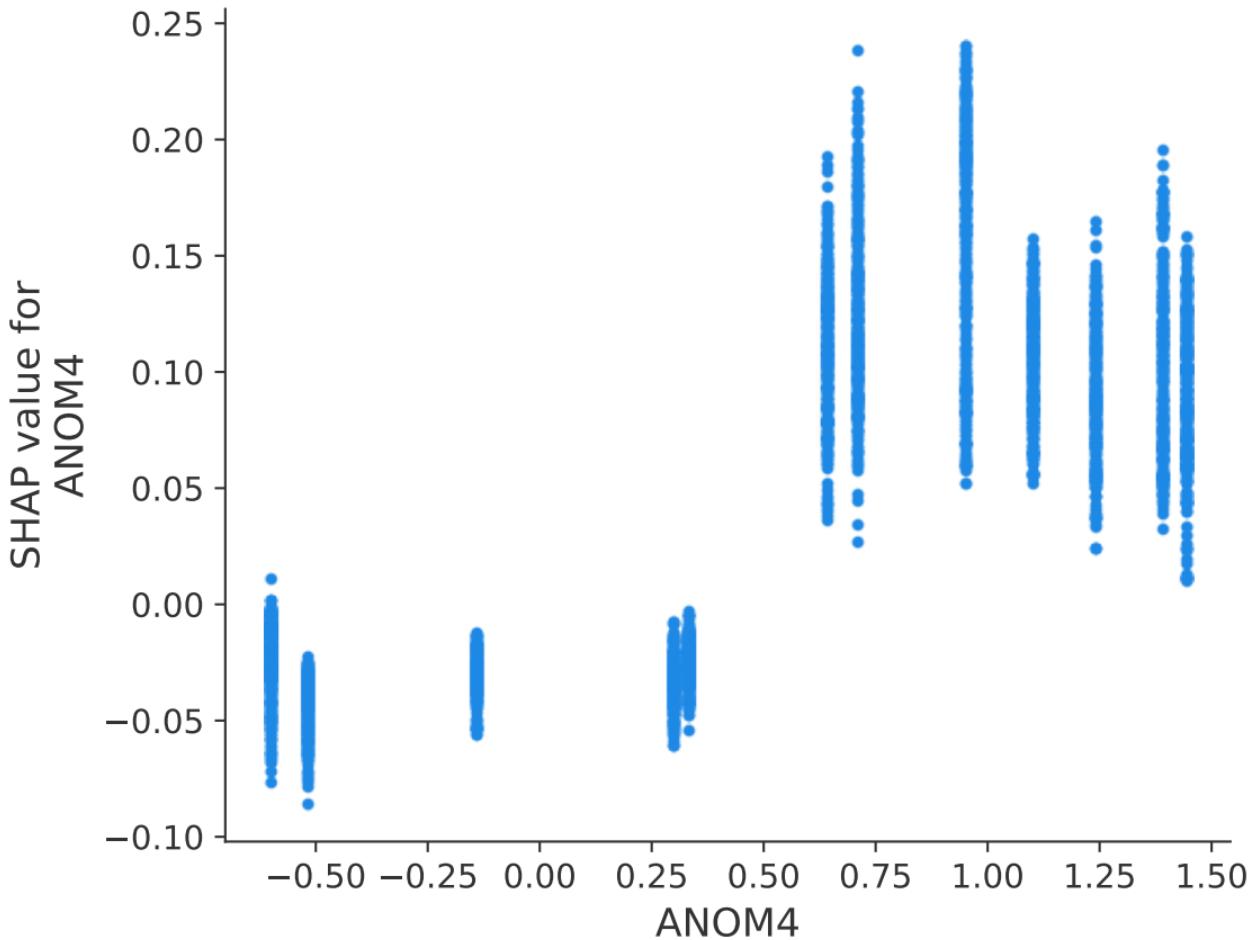
1.50

ANOM4

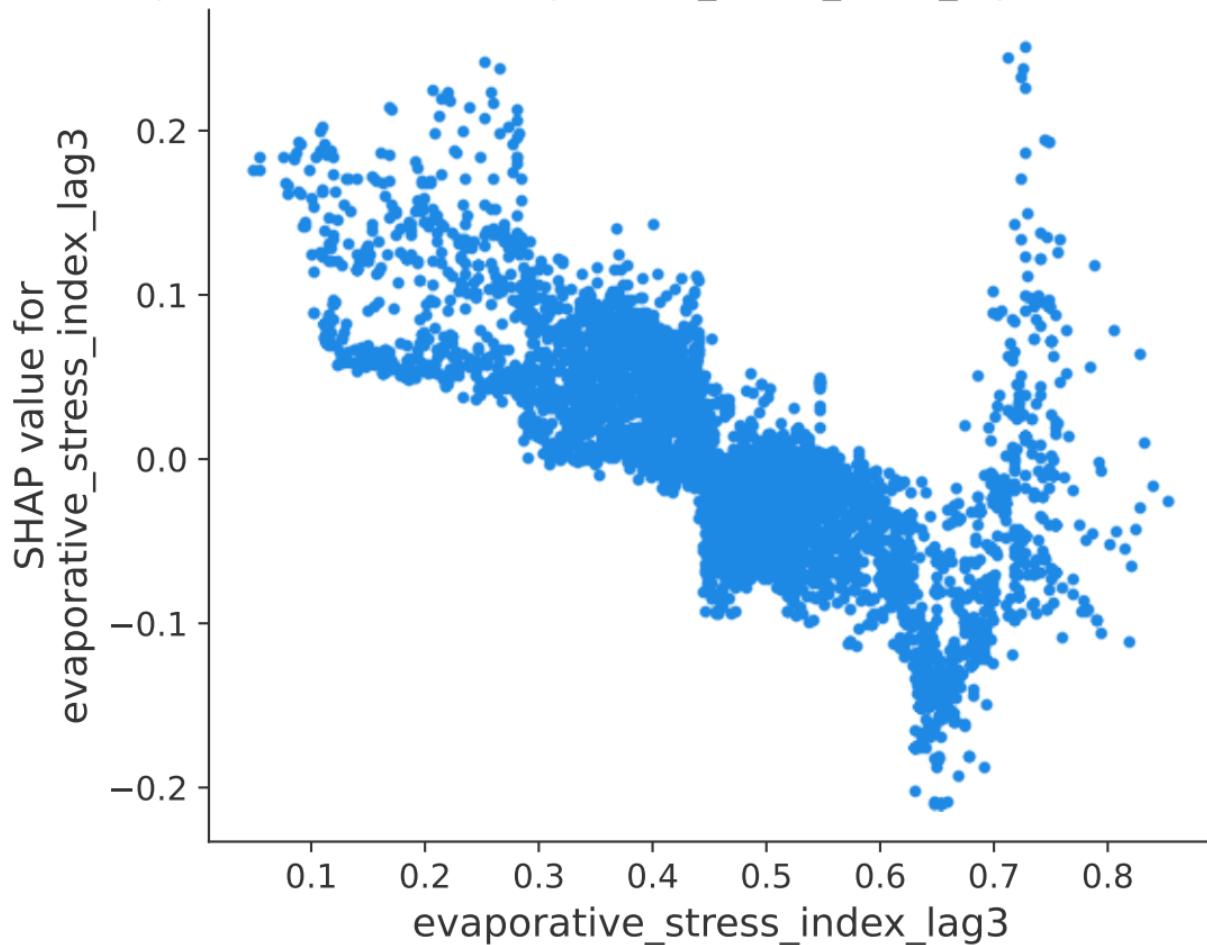
SHAP Dependence Plot for ANOM4, Class 1 - Nationwide



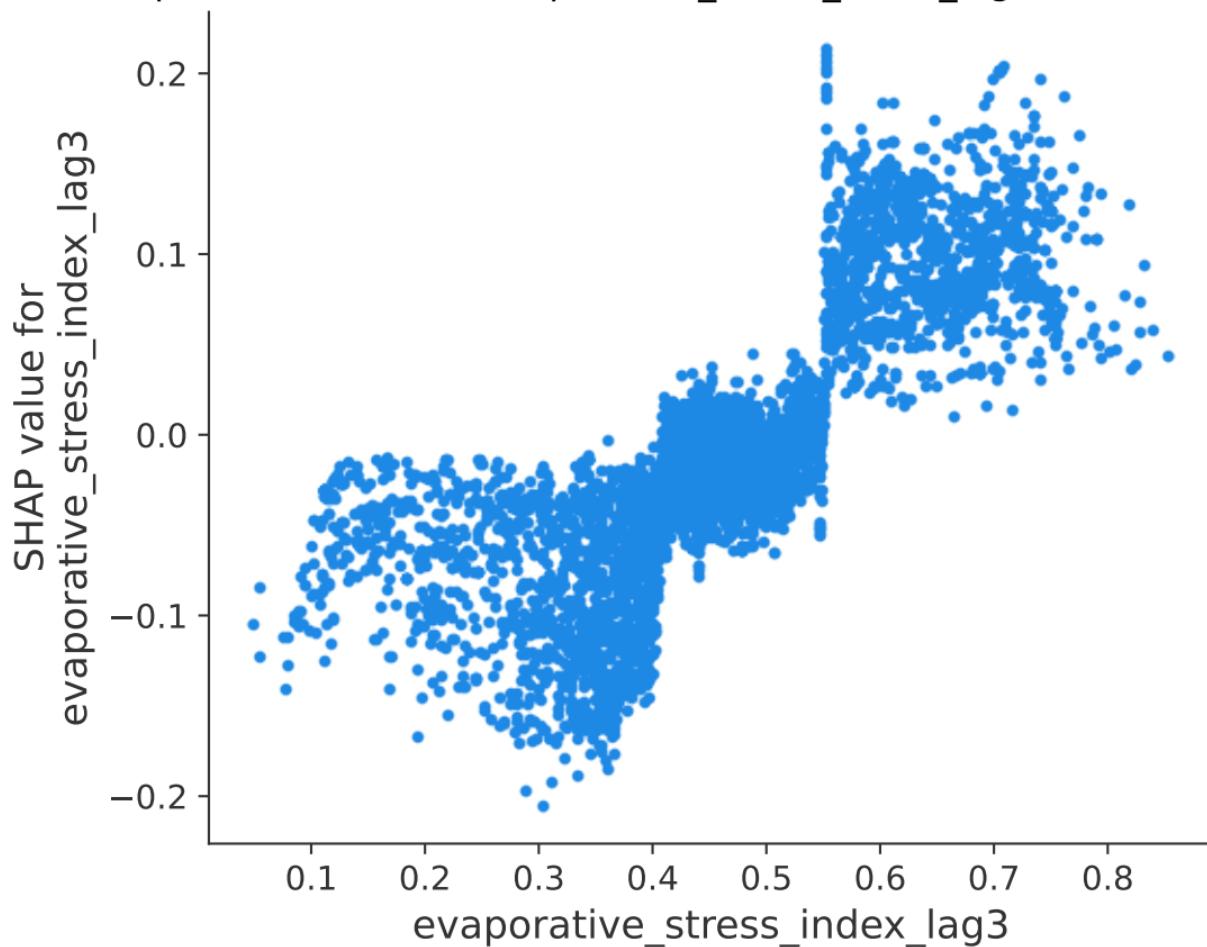
SHAP Dependence Plot for ANOM4, Class 2 - Nationwide



SHAP Dependence Plot for evaporative_stress_index_lag3, Class 0 - Nationwide



SHAP Dependence Plot for evaporative_stress_index_lag3, Class 1 - Nationwide



SHAP Dependence Plot for evaporative_stress_index_lag3, Class 2 - Nationwide

