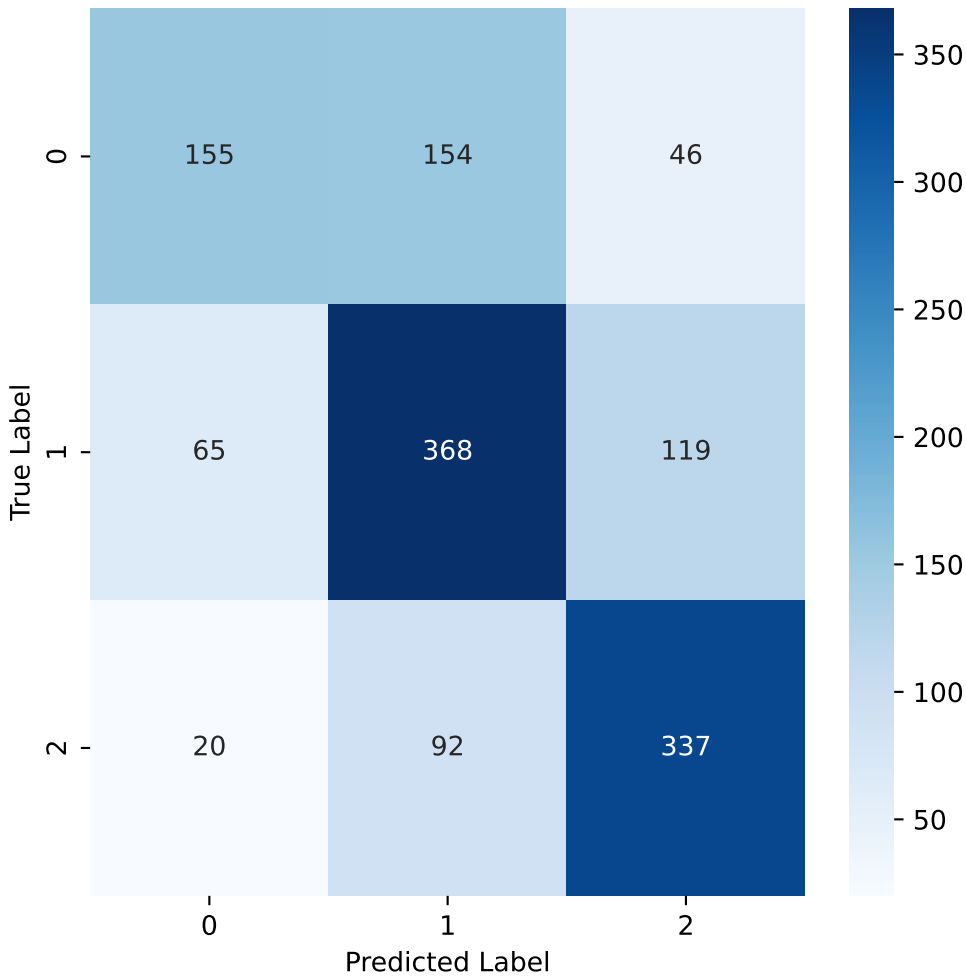
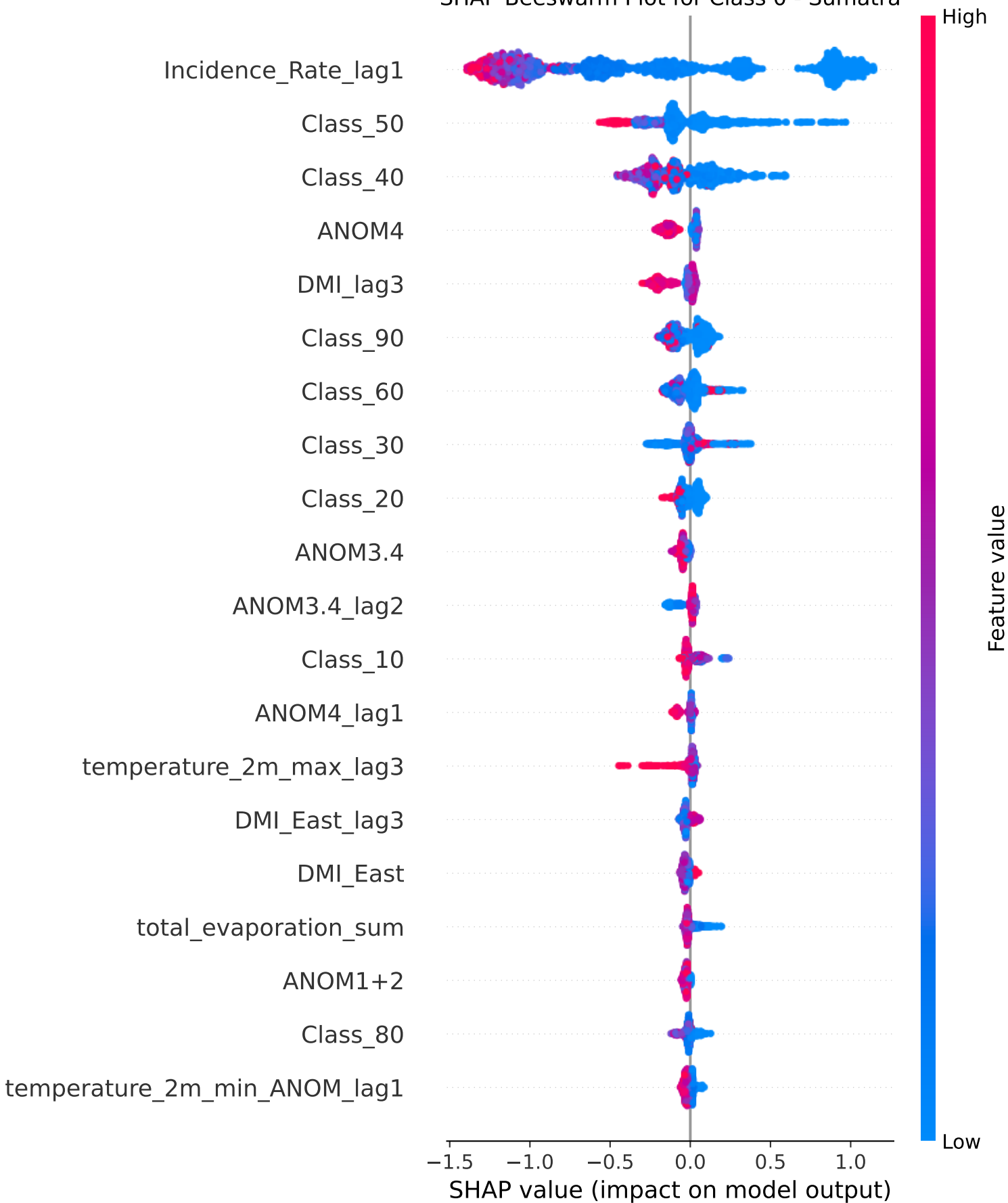


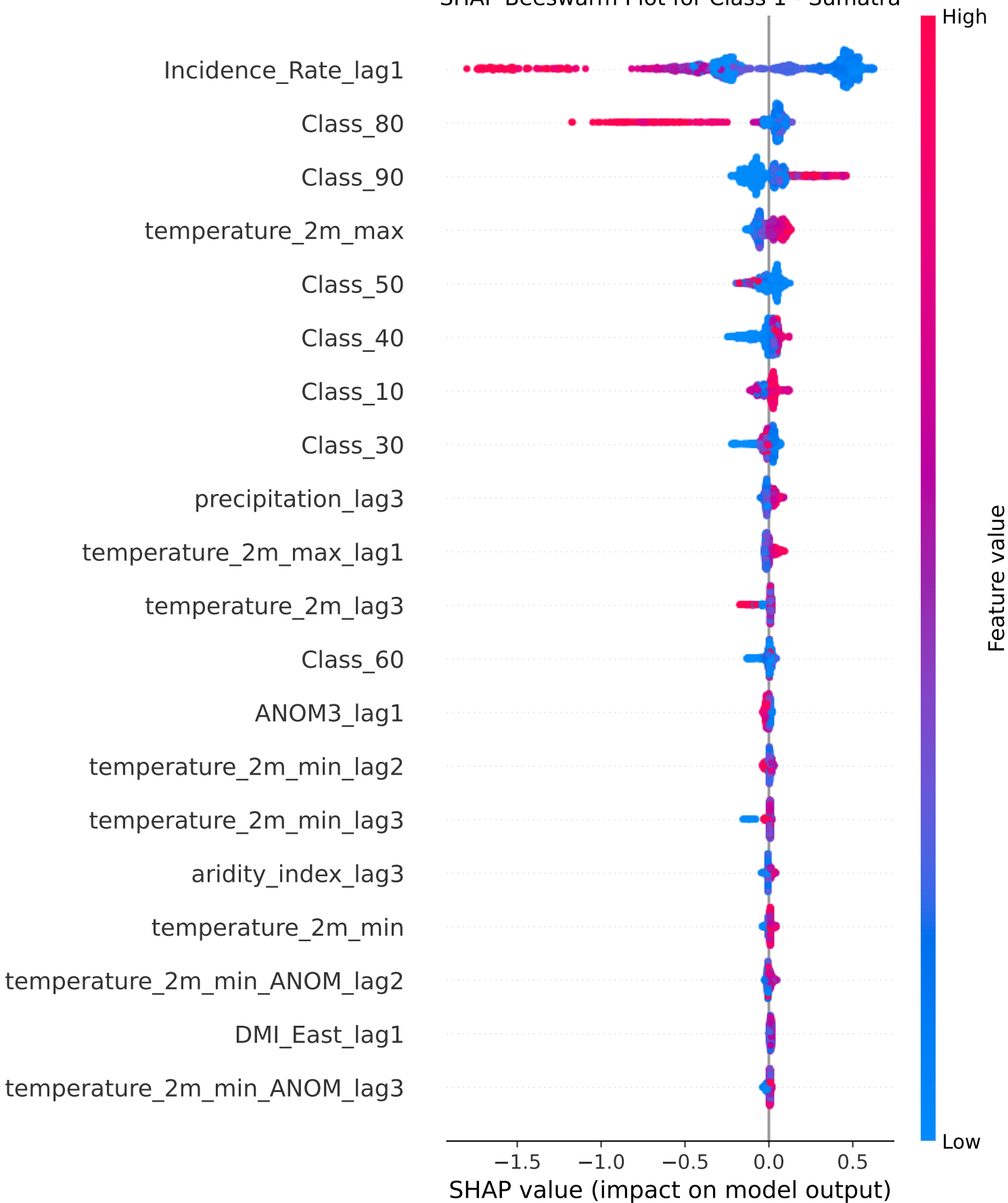
Confusion Matrix - Sumatra



SHAP Beeswarm Plot for Class 0 - Sumatra



SHAP Beeswarm Plot for Class 1 - Sumatra



SHAP Beeswarm Plot for Class 2 - Sumatra

High

Feature value

Low

Incidence_Rate_lag1

Class_50

Class_40

precipitation_lag3

ANOM3_lag2

total_evaporation_sum_ANOM

aridity_index_lag3

Class_10

DMI_lag3

ANOM4

Class_90

Class_80

ANOM1+2_lag3

total_evaporation_sum_lag1

temperature_2m_ANOM_lag1

temperature_2m_max_ANOM_lag3

ANOM4_lag1

Class_20

Class_30

DMI_East

SHAP value (impact on model output)

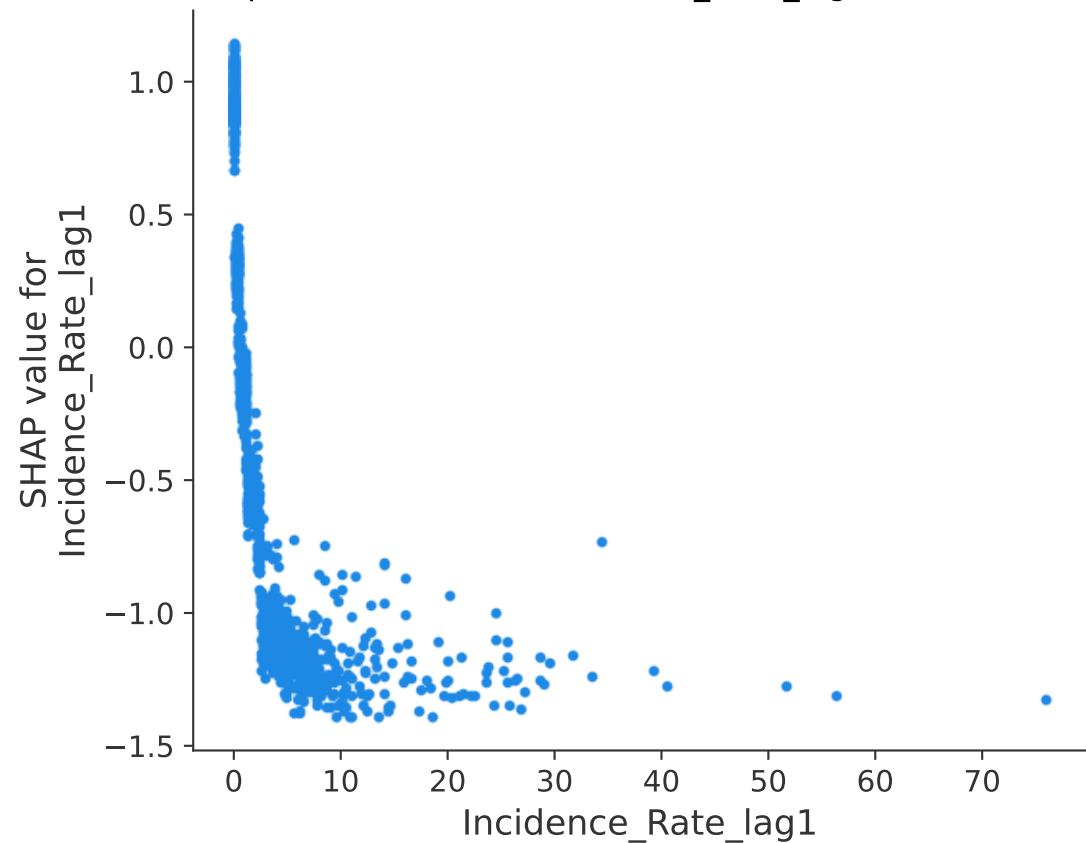
-1

0

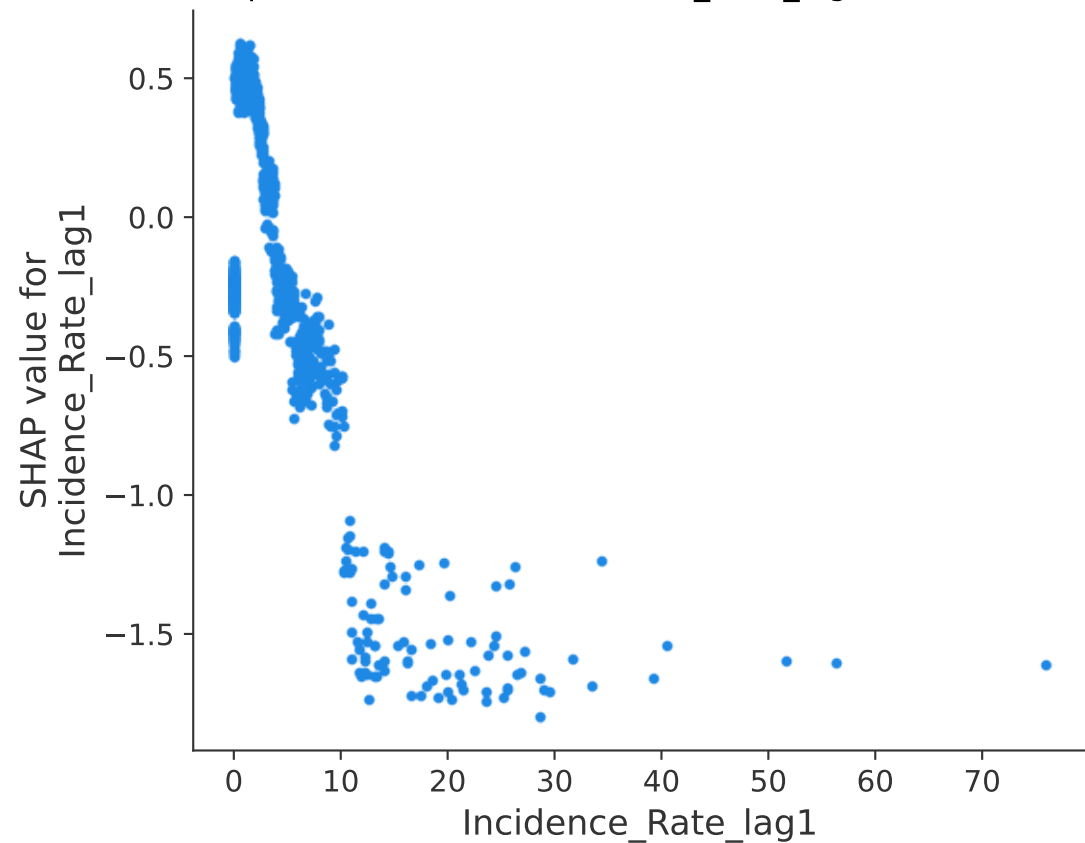
1

2

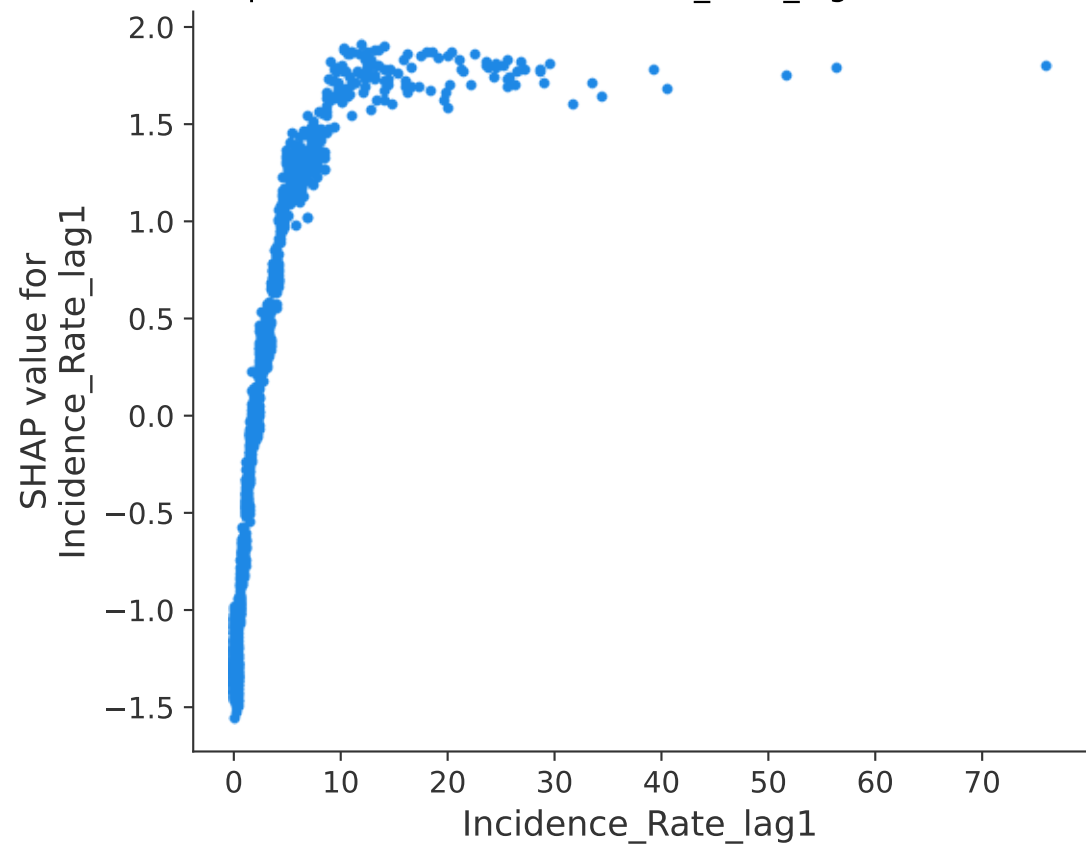
SHAP Dependence Plot for Incidence_Rate_lag1, Class 0 - Sumatra



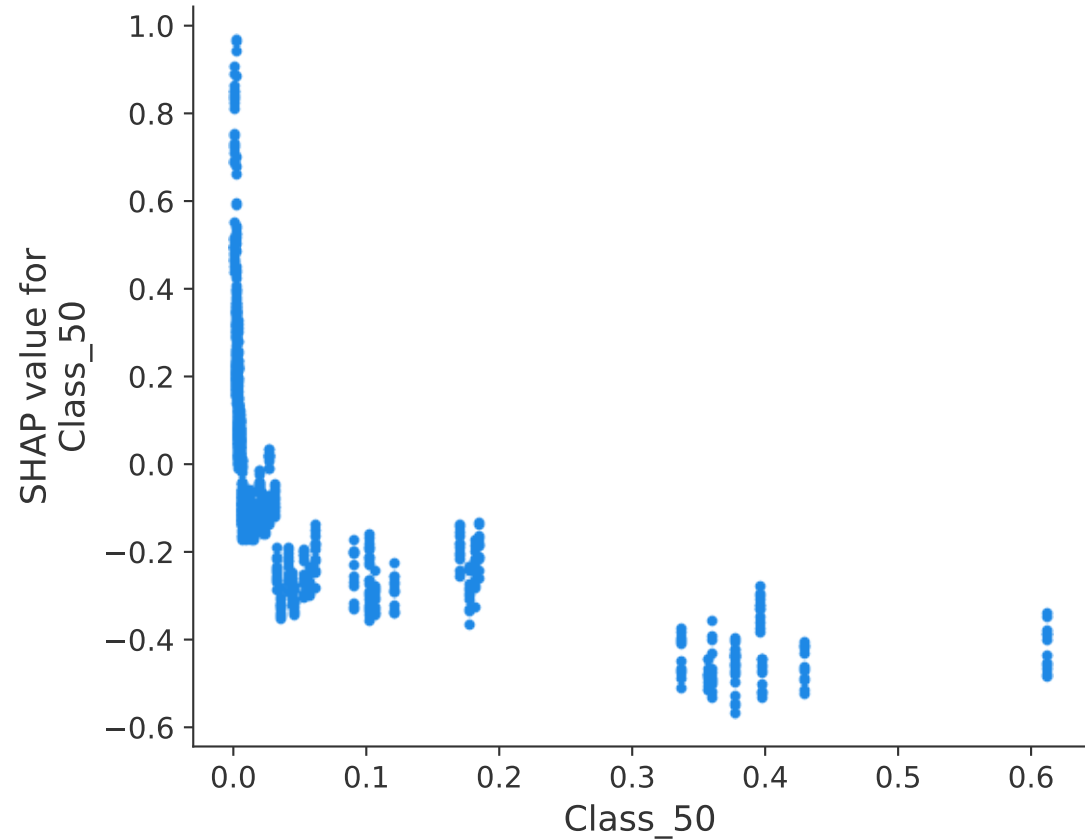
SHAP Dependence Plot for Incidence_Rate_lag1, Class 1 - Sumatra



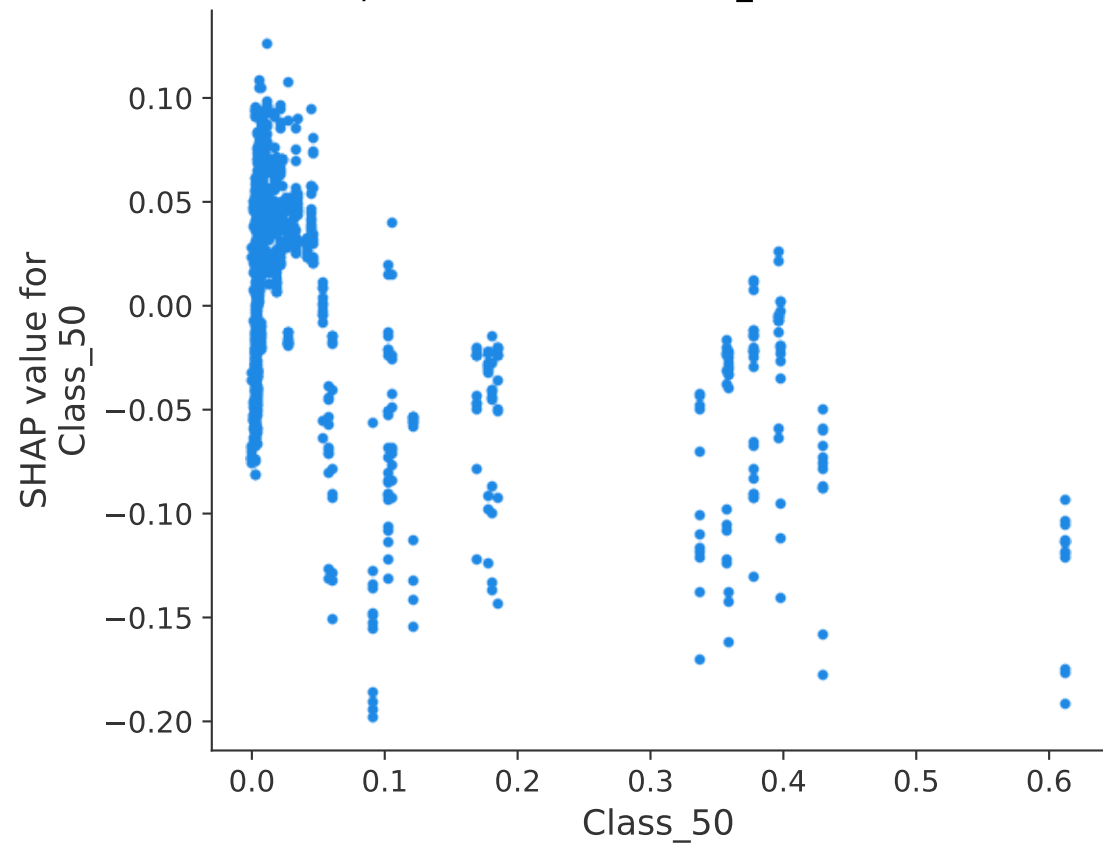
SHAP Dependence Plot for Incidence_Rate_lag1, Class 2 - Sumatra



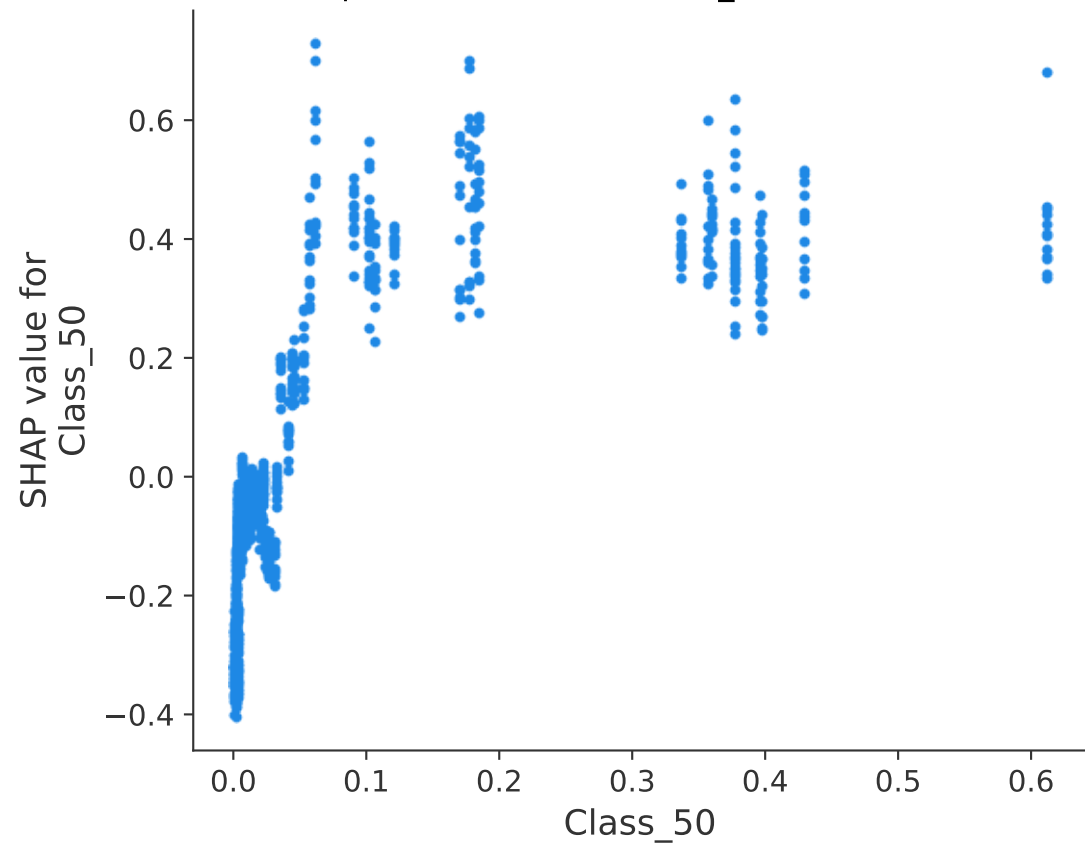
SHAP Dependence Plot for Class_50, Class 0 - Sumatra



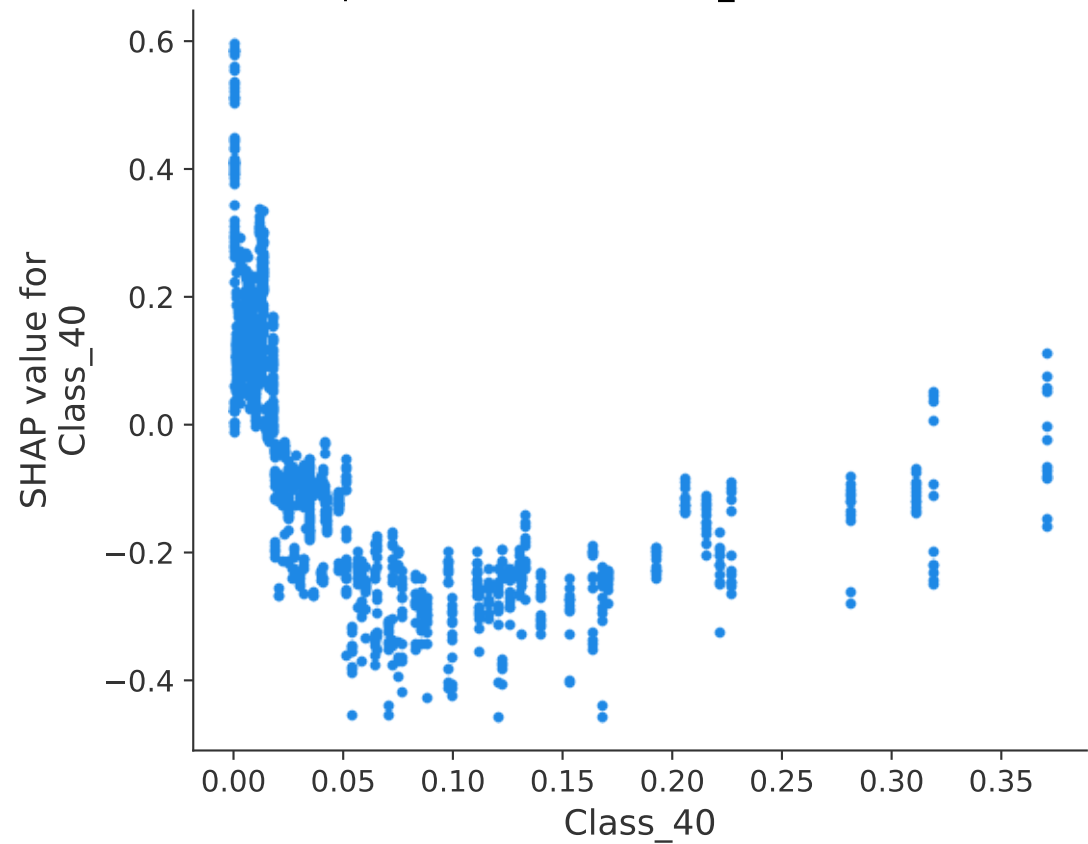
SHAP Dependence Plot for Class_50, Class 1 - Sumatra



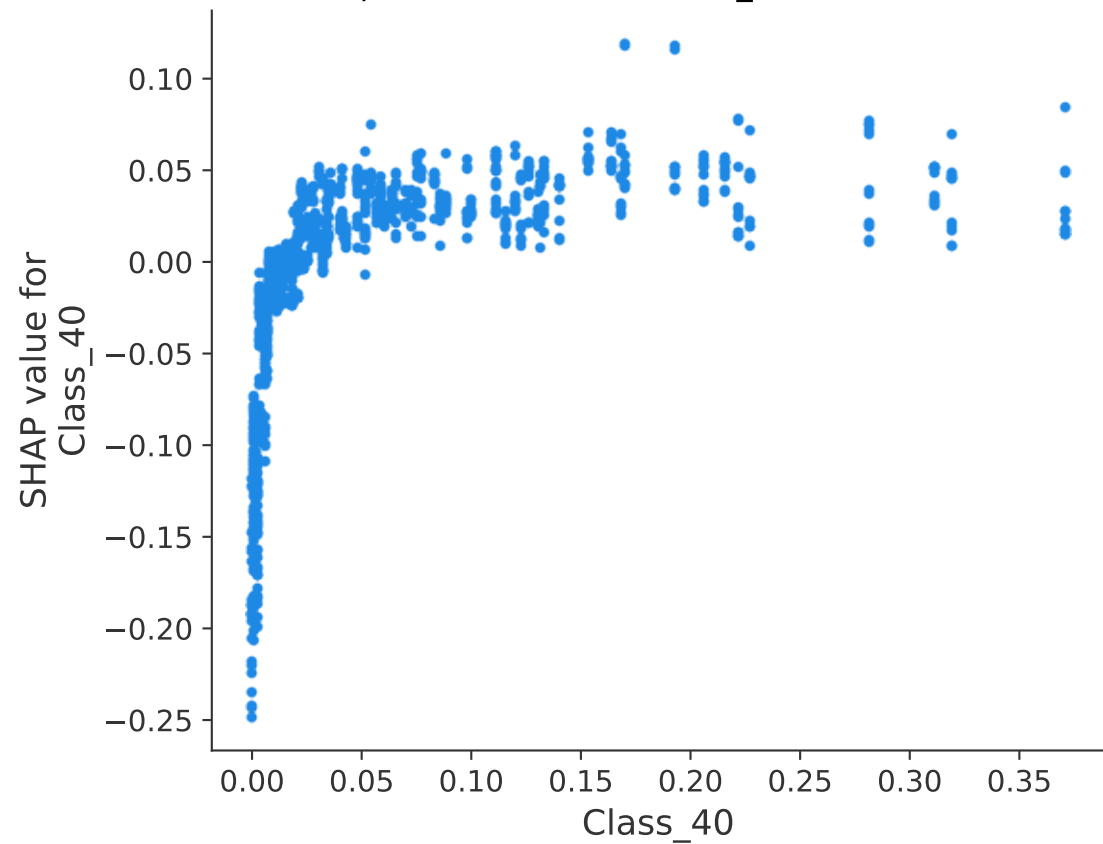
SHAP Dependence Plot for Class_50, Class 2 - Sumatra



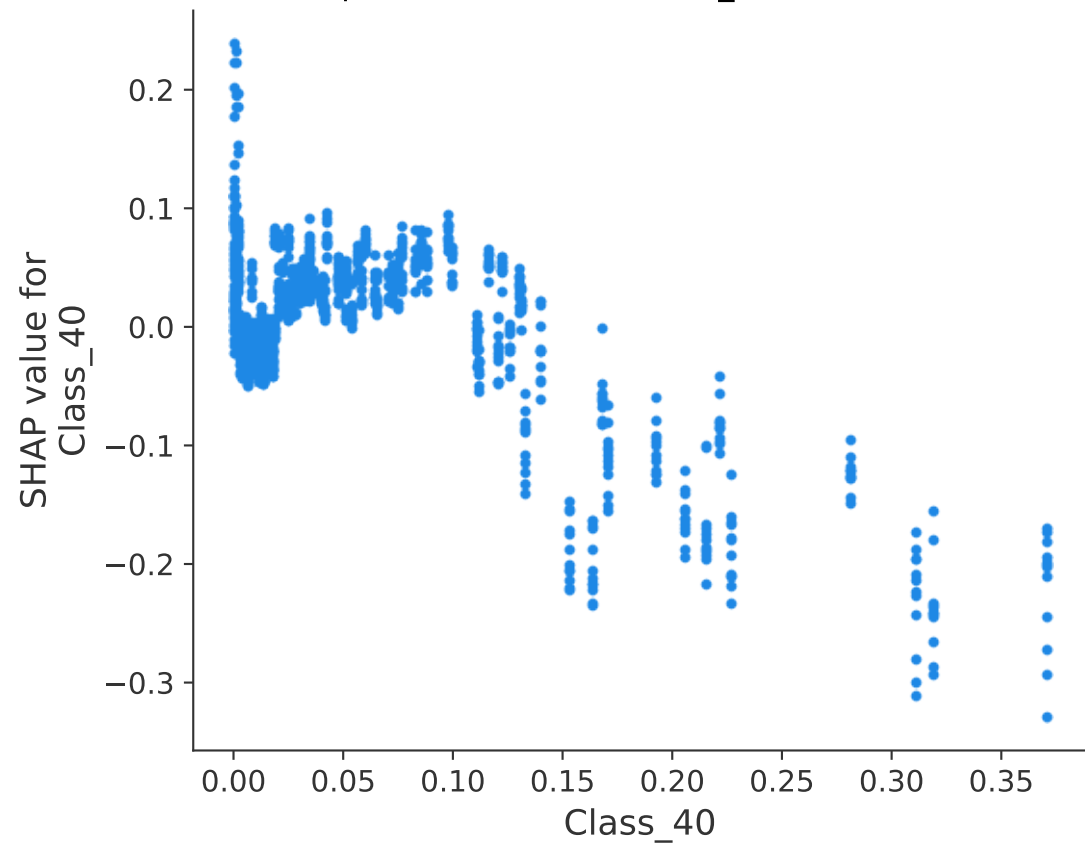
SHAP Dependence Plot for Class_40, Class 0 - Sumatra



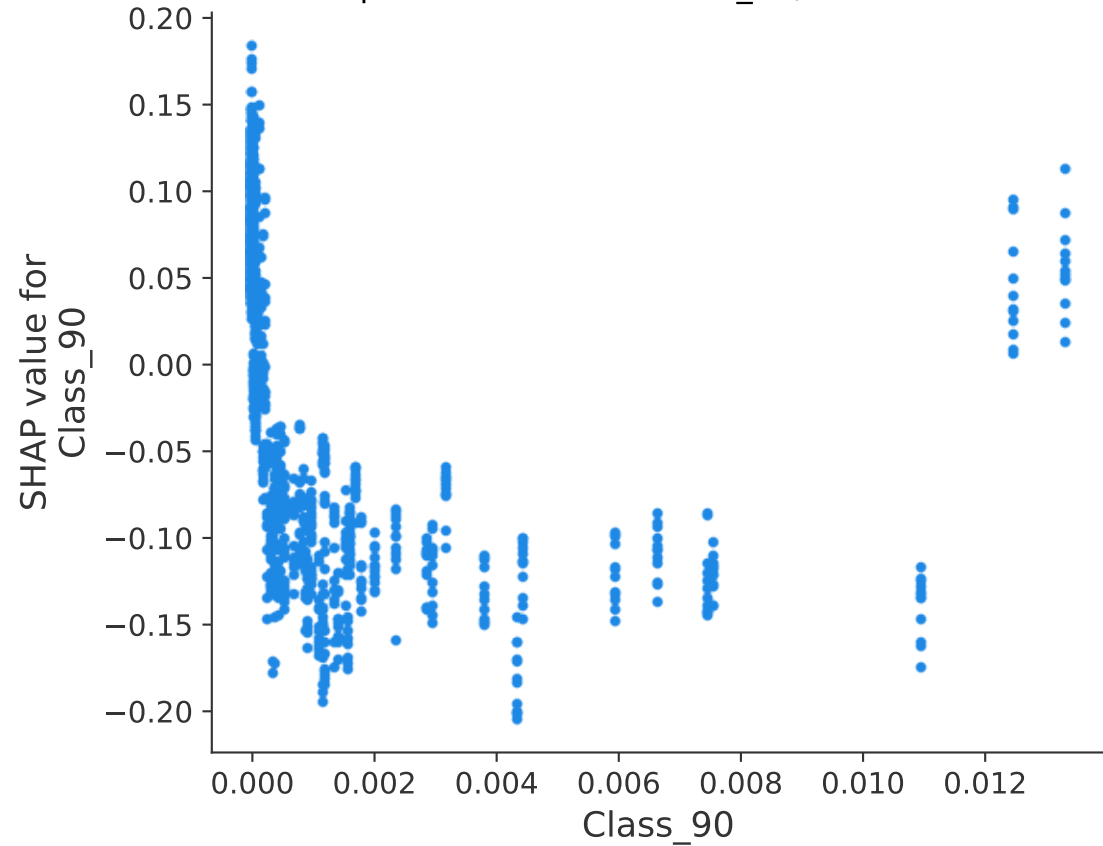
SHAP Dependence Plot for Class_40, Class 1 - Sumatra



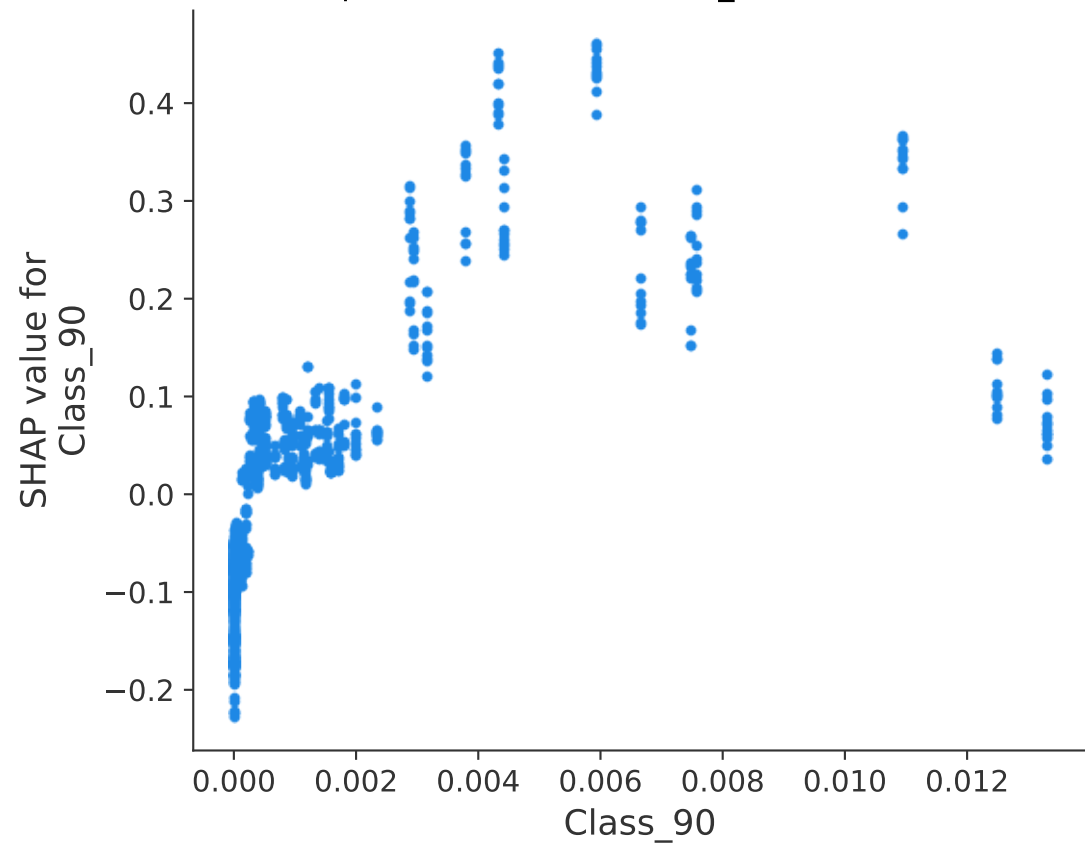
SHAP Dependence Plot for Class_40, Class 2 - Sumatra



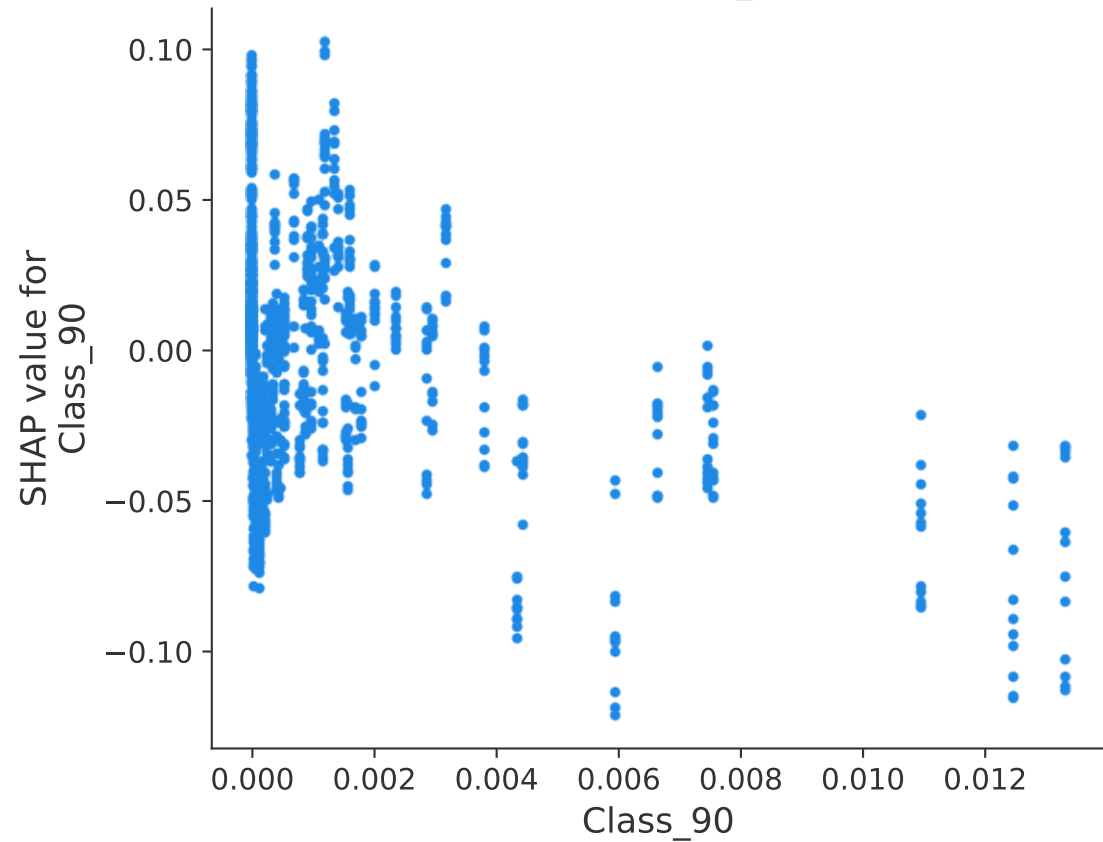
SHAP Dependence Plot for Class_90, Class 0 - Sumatra



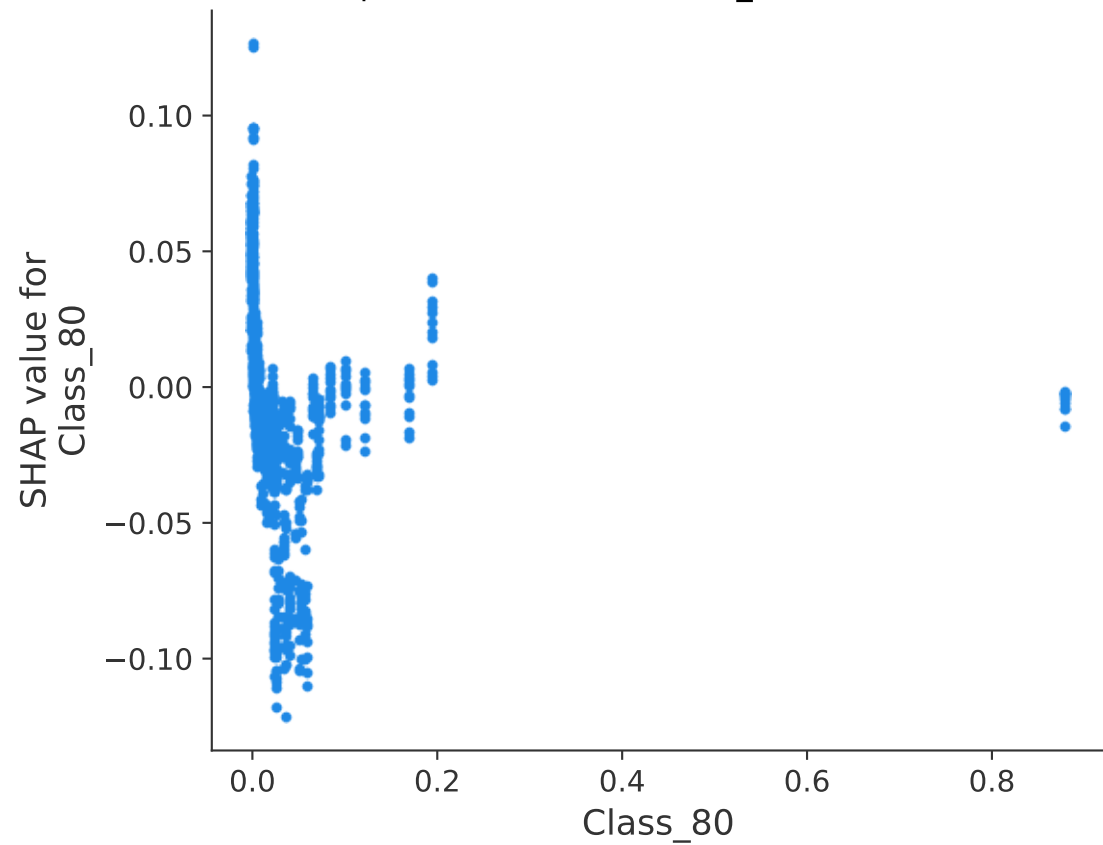
SHAP Dependence Plot for Class_90, Class 1 - Sumatra



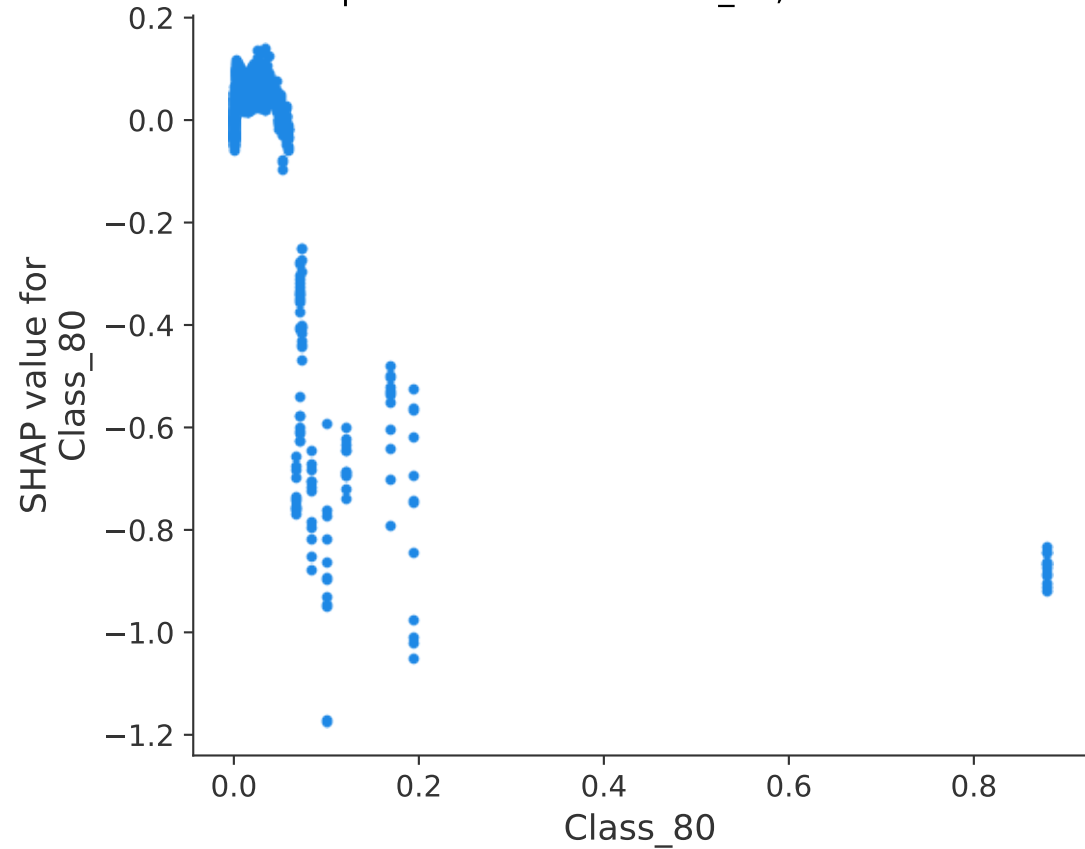
SHAP Dependence Plot for Class_90, Class 2 - Sumatra



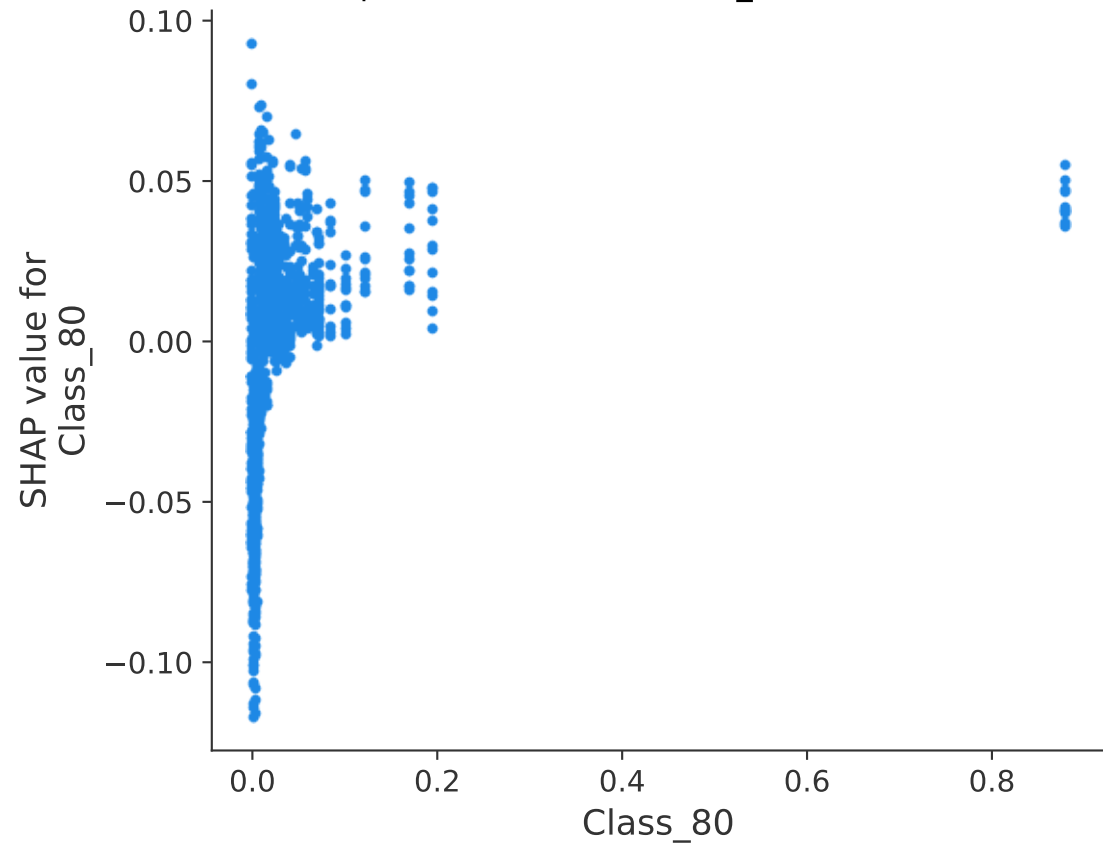
SHAP Dependence Plot for Class_80, Class 0 - Sumatra



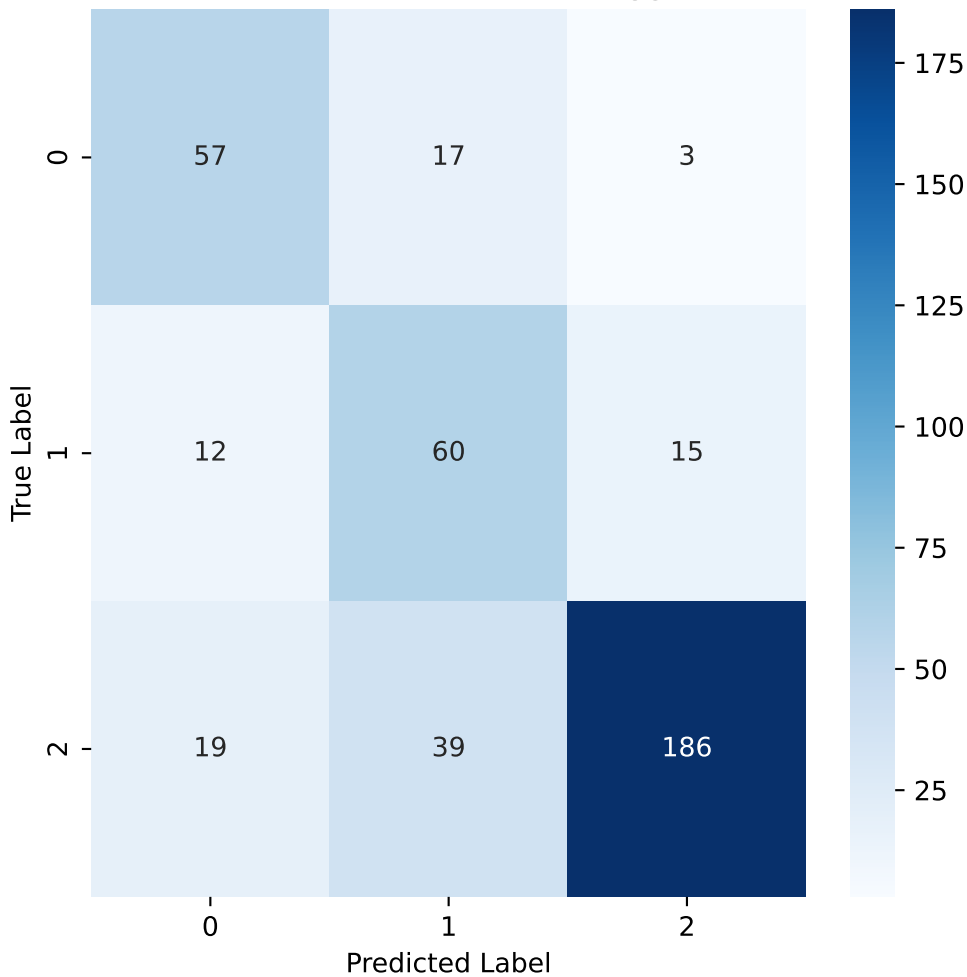
SHAP Dependence Plot for Class_80, Class 1 - Sumatra



SHAP Dependence Plot for Class_80, Class 2 - Sumatra



Confusion Matrix - Nusa Tenggara

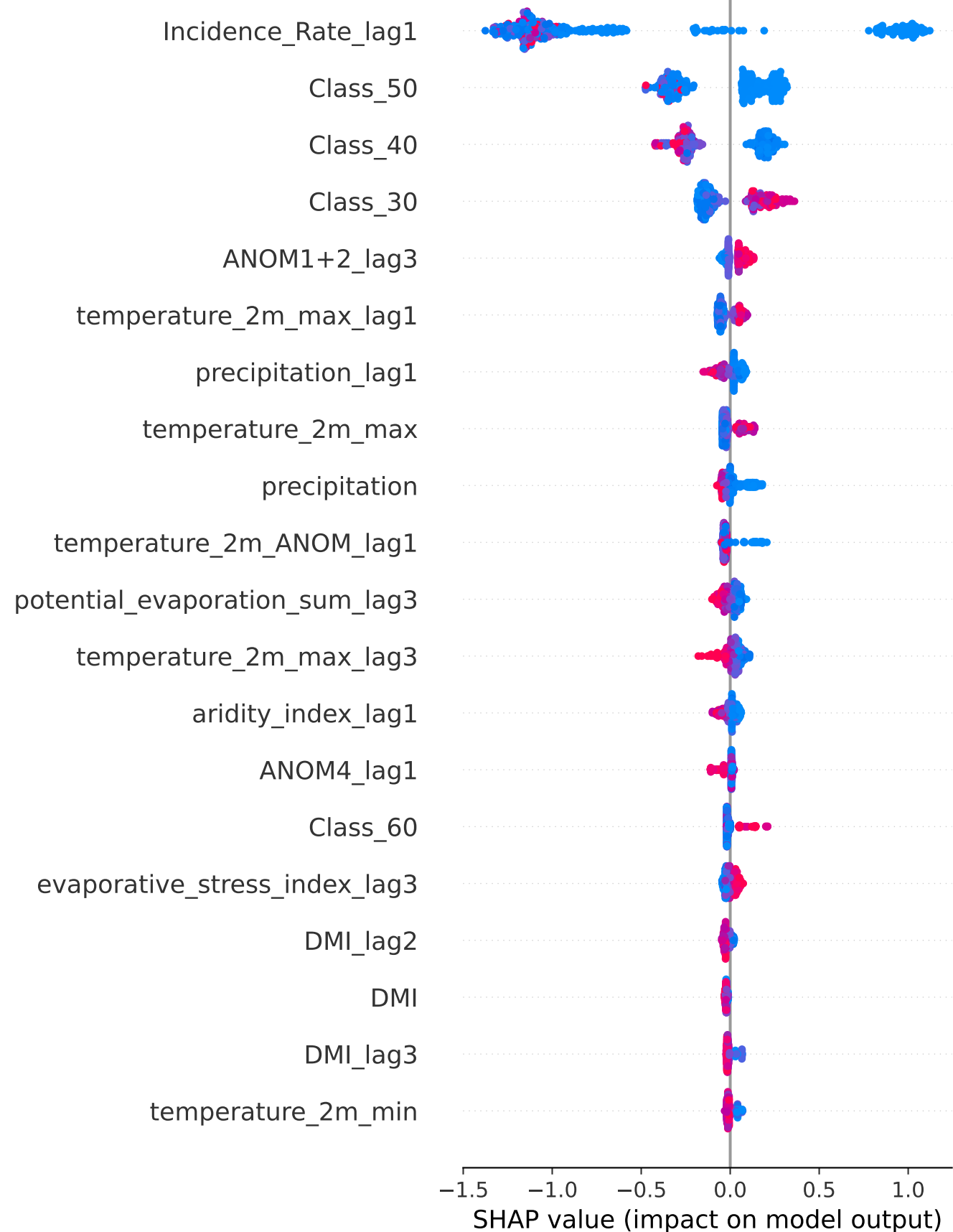


SHAP Beeswarm Plot for Class 0 - Nusa Tenggara

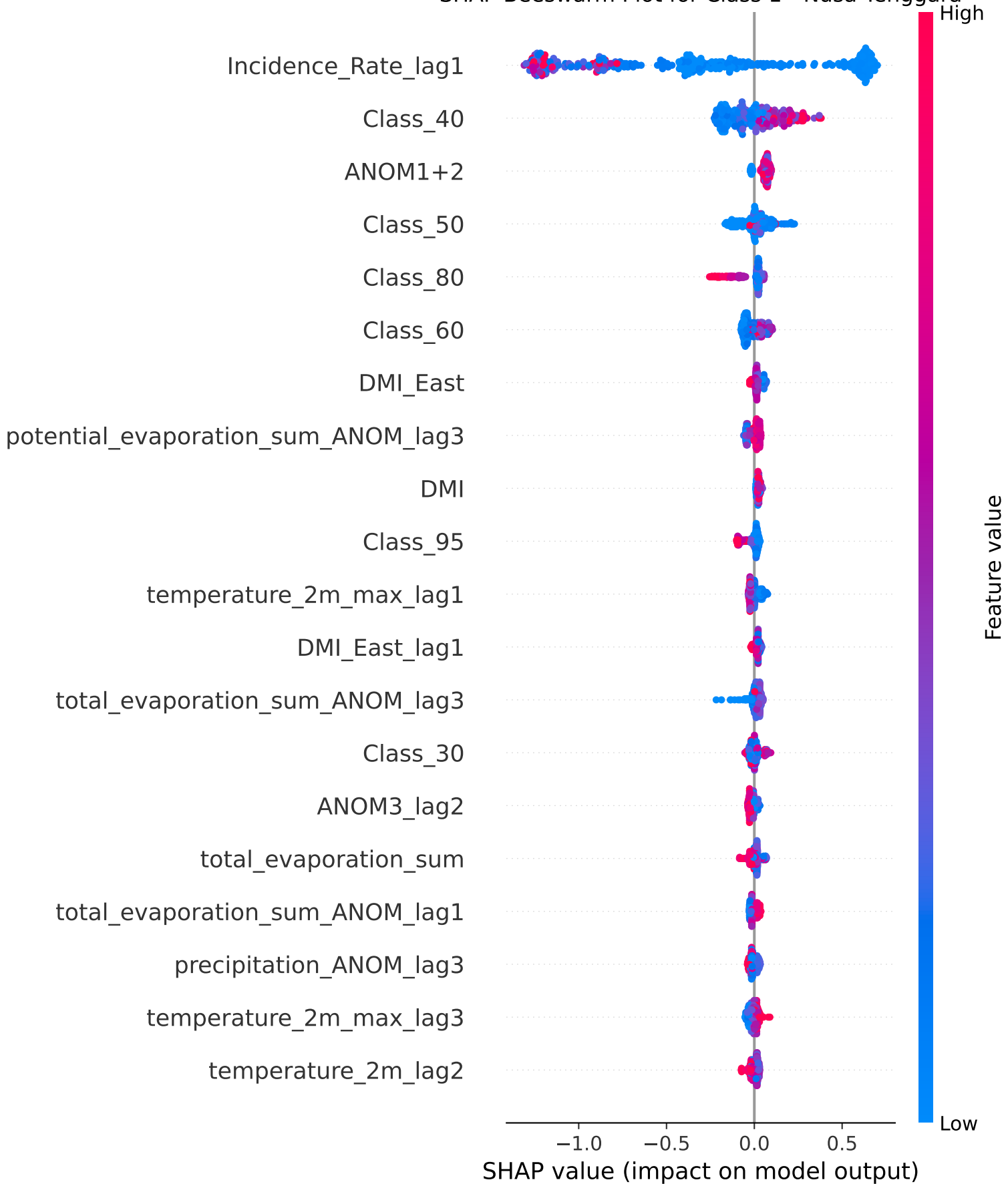
High

Feature value

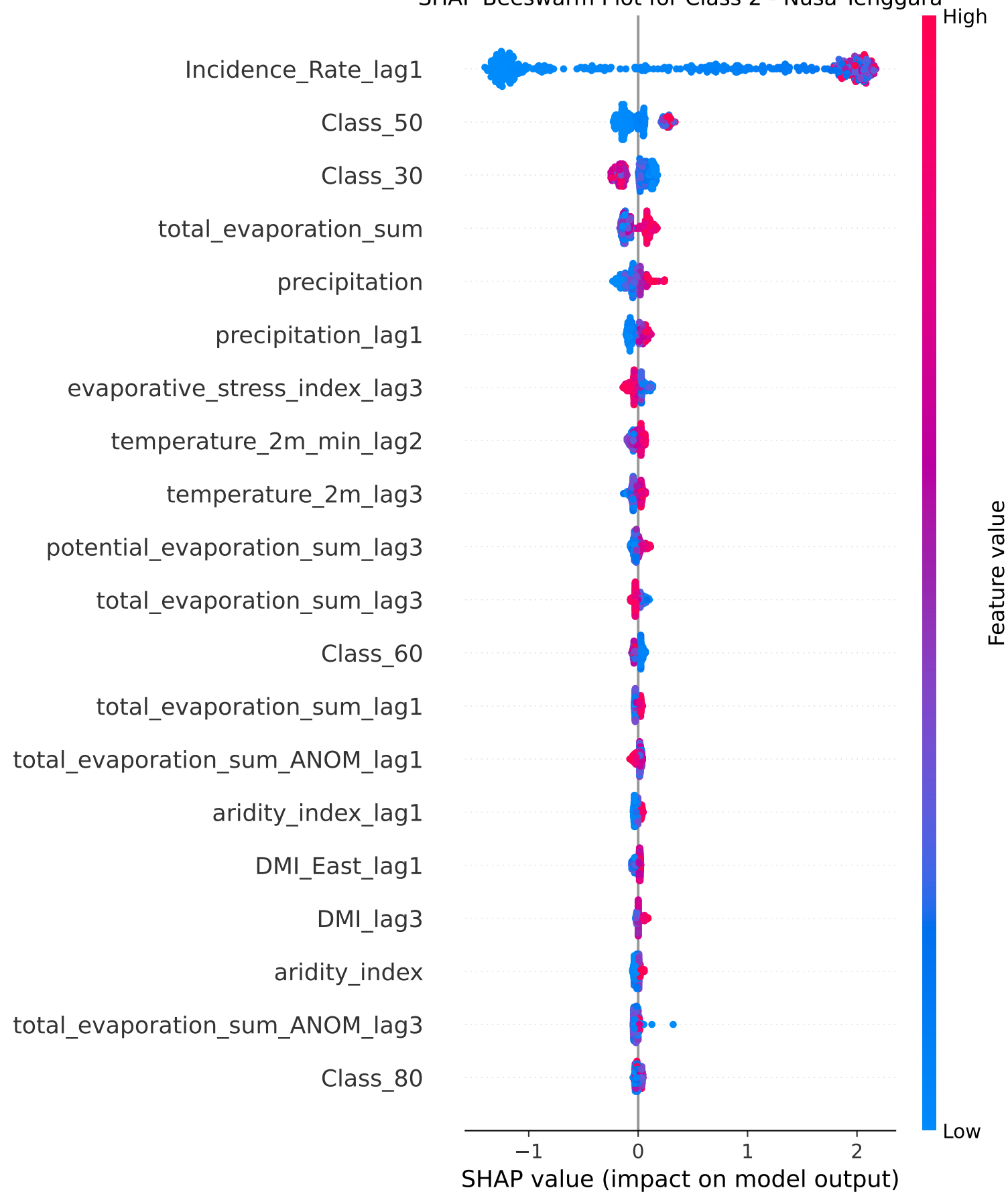
Low



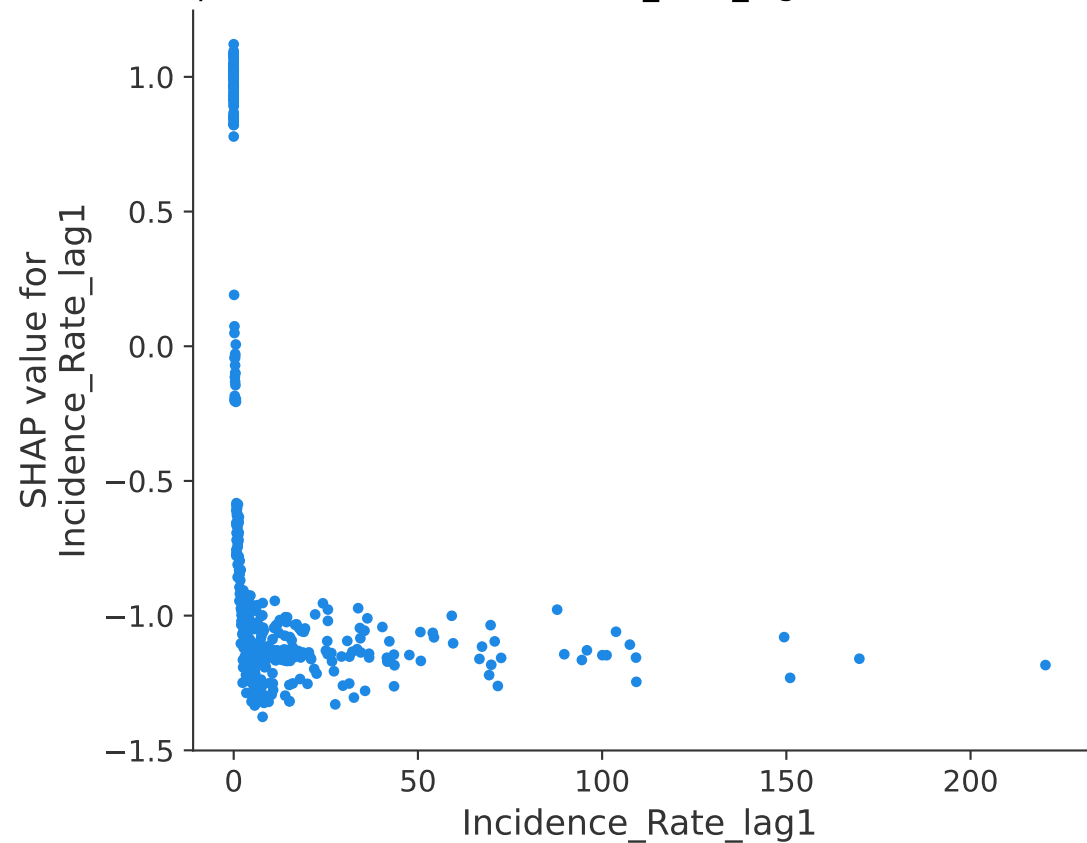
SHAP Beeswarm Plot for Class 1 - Nusa Tenggara



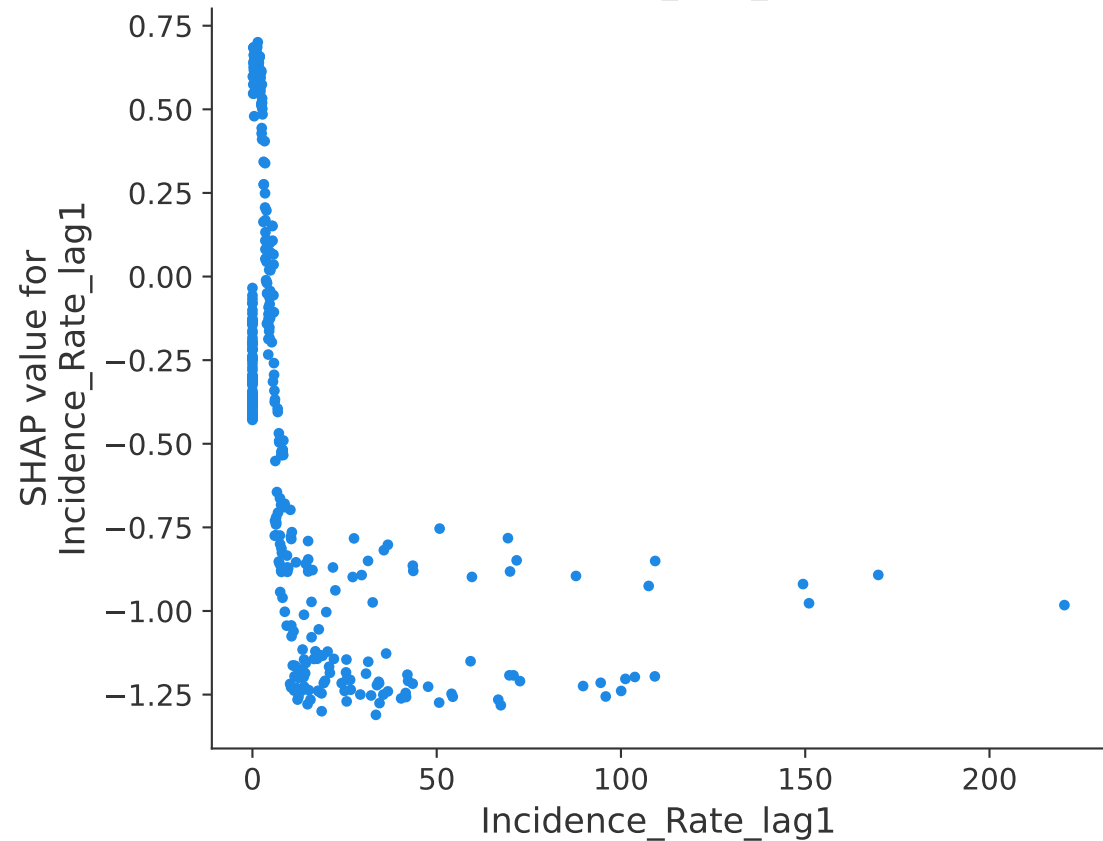
SHAP Beeswarm Plot for Class 2 - Nusa Tenggara



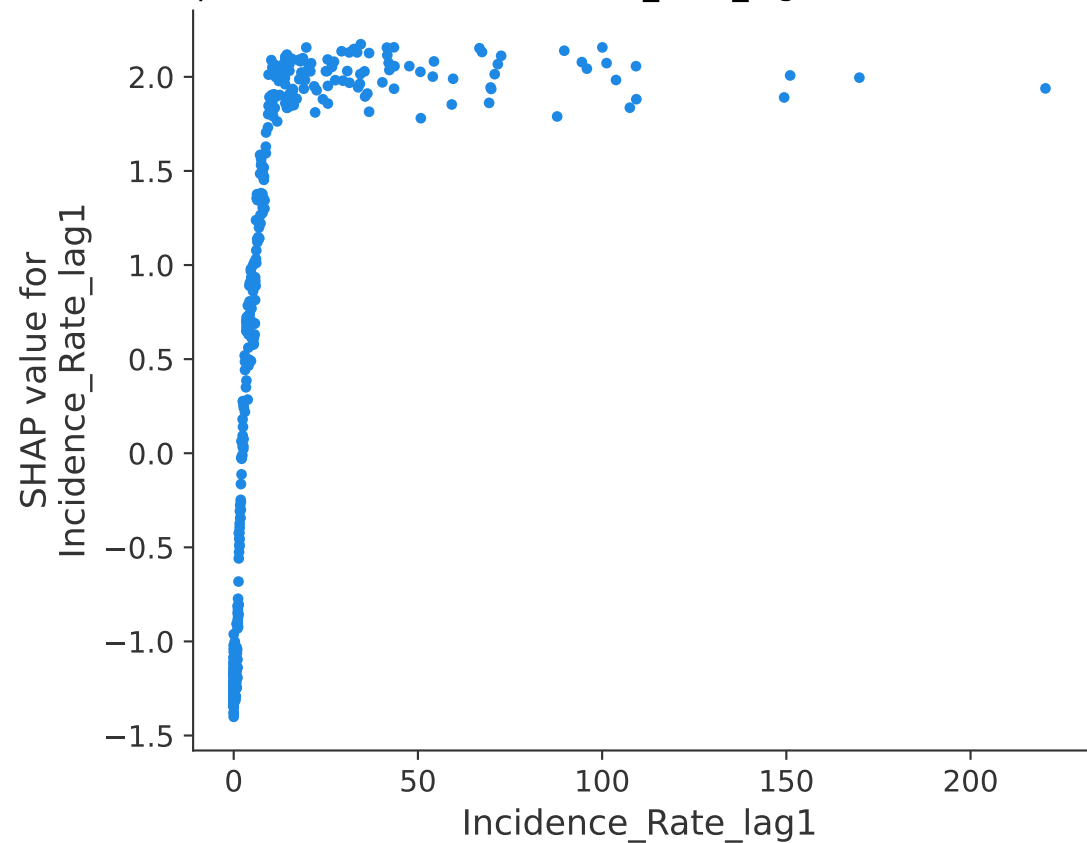
SHAP Dependence Plot for Incidence_Rate_lag1, Class 0 - Nusa Tenggara



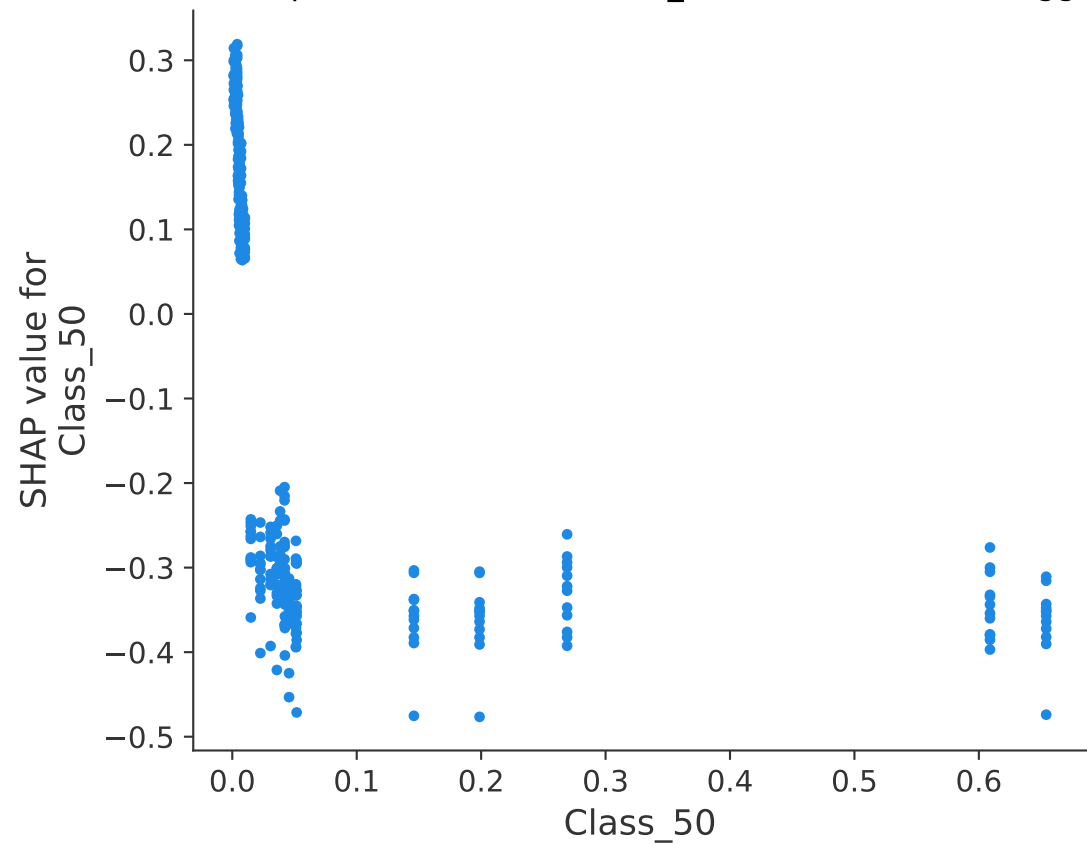
SHAP Dependence Plot for Incidence_Rate_lag1, Class 1 - Nusa Tenggara



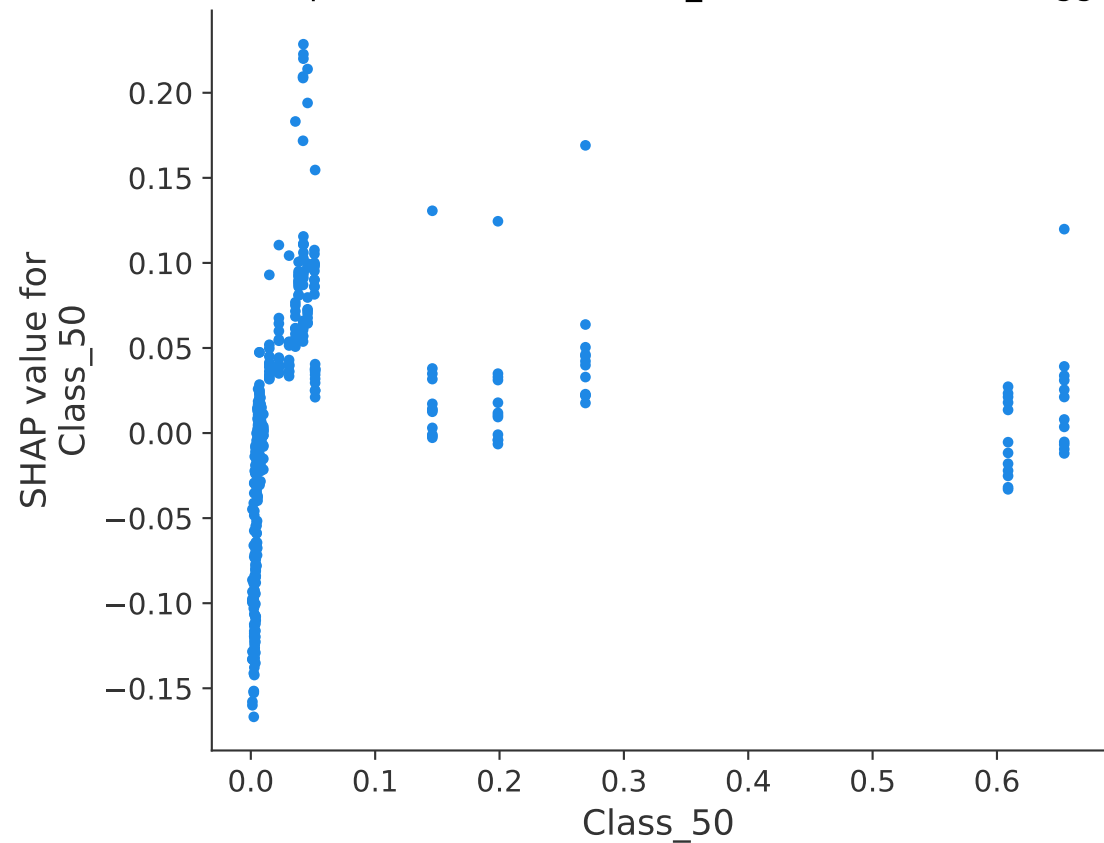
SHAP Dependence Plot for Incidence_Rate_lag1, Class 2 - Nusa Tenggara



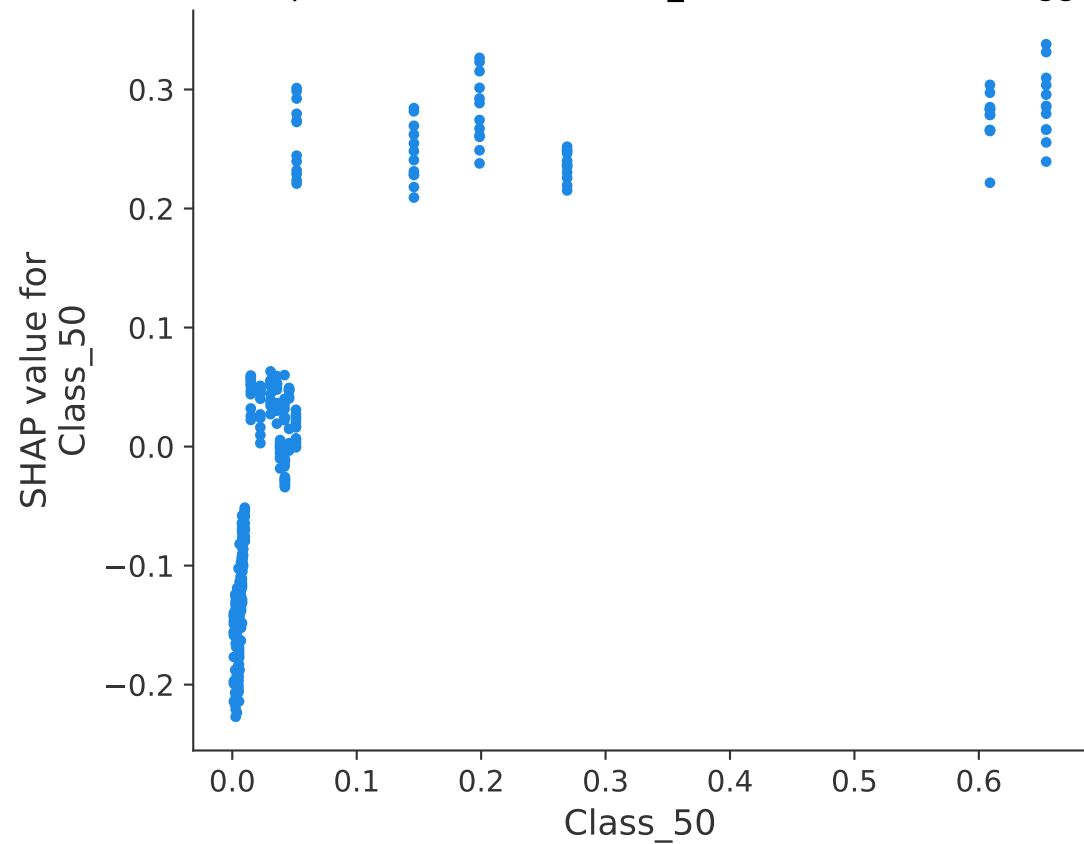
SHAP Dependence Plot for Class_50, Class 0 - Nusa Tenggara



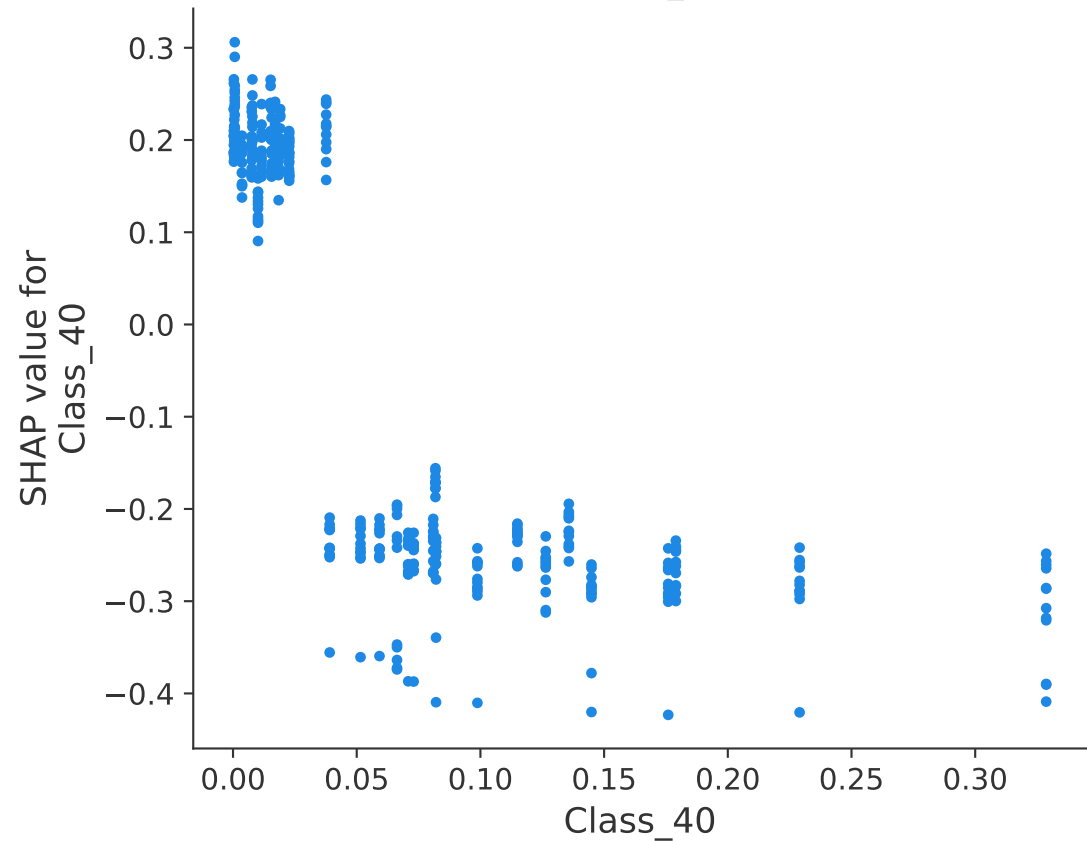
SHAP Dependence Plot for Class_50, Class 1 - Nusa Tenggara



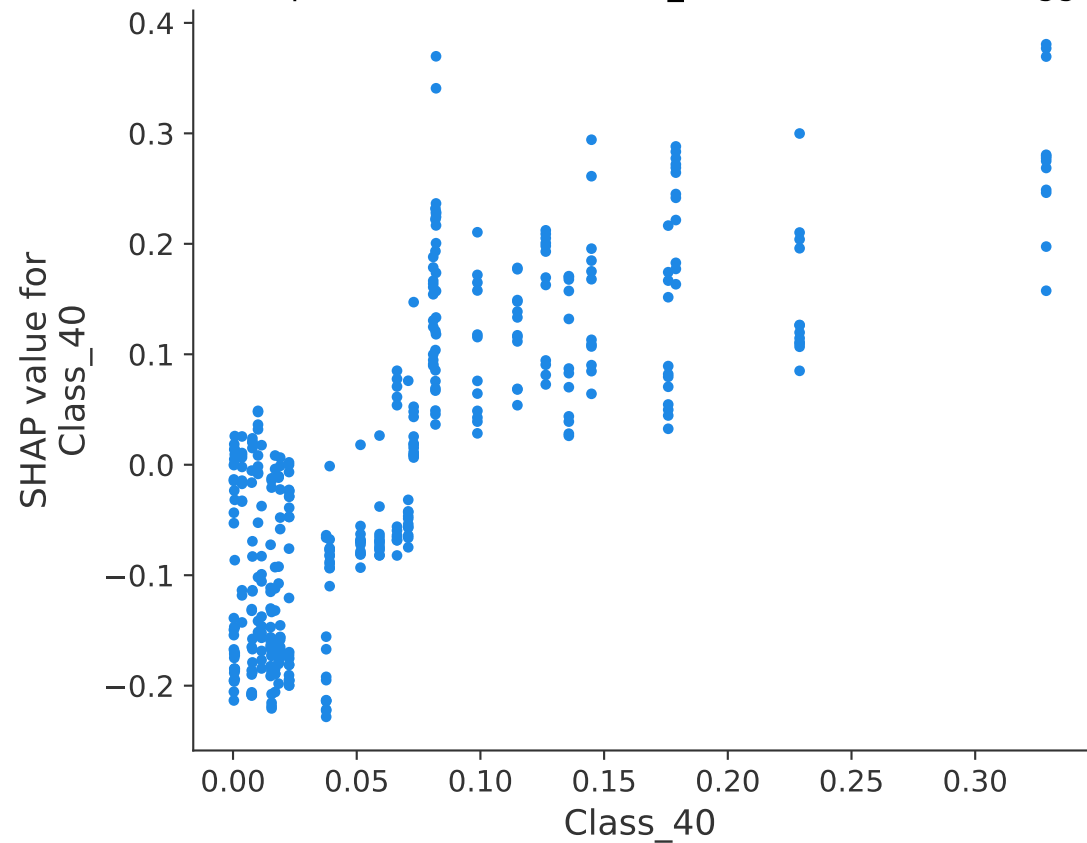
SHAP Dependence Plot for Class_50, Class 2 - Nusa Tenggara



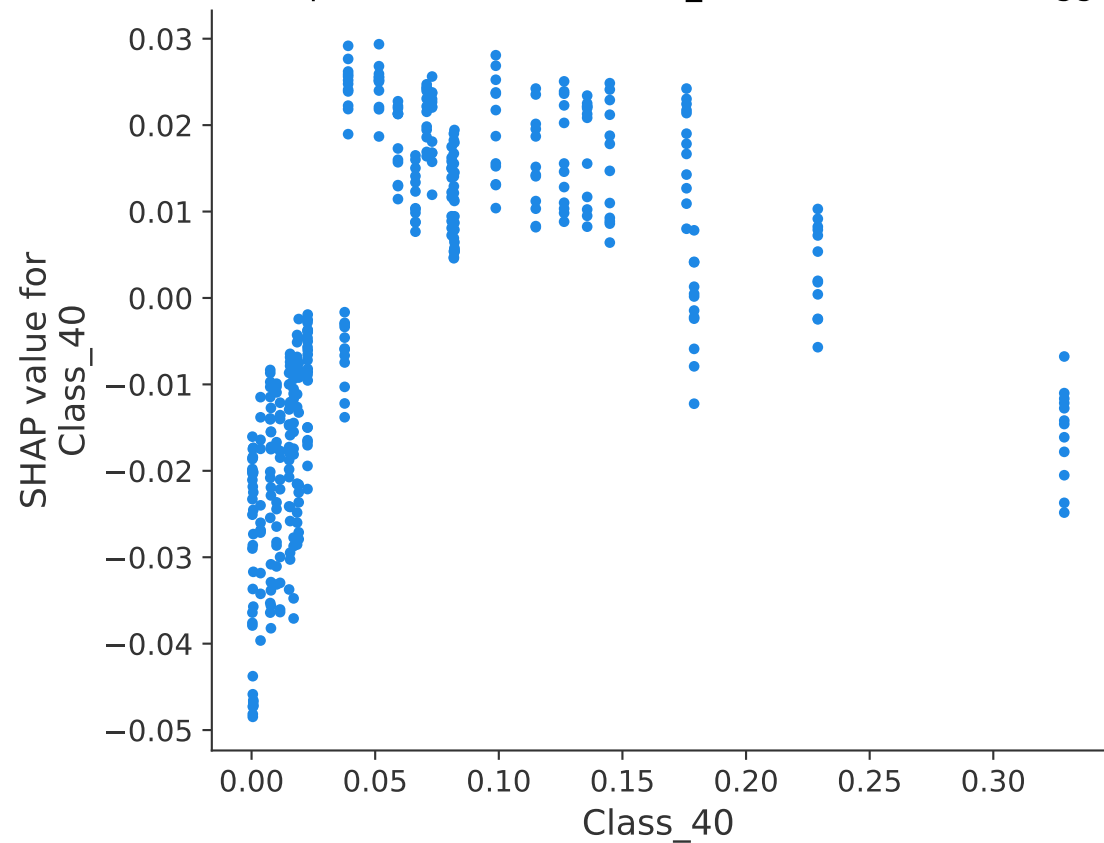
SHAP Dependence Plot for Class_40, Class 0 - Nusa Tenggara



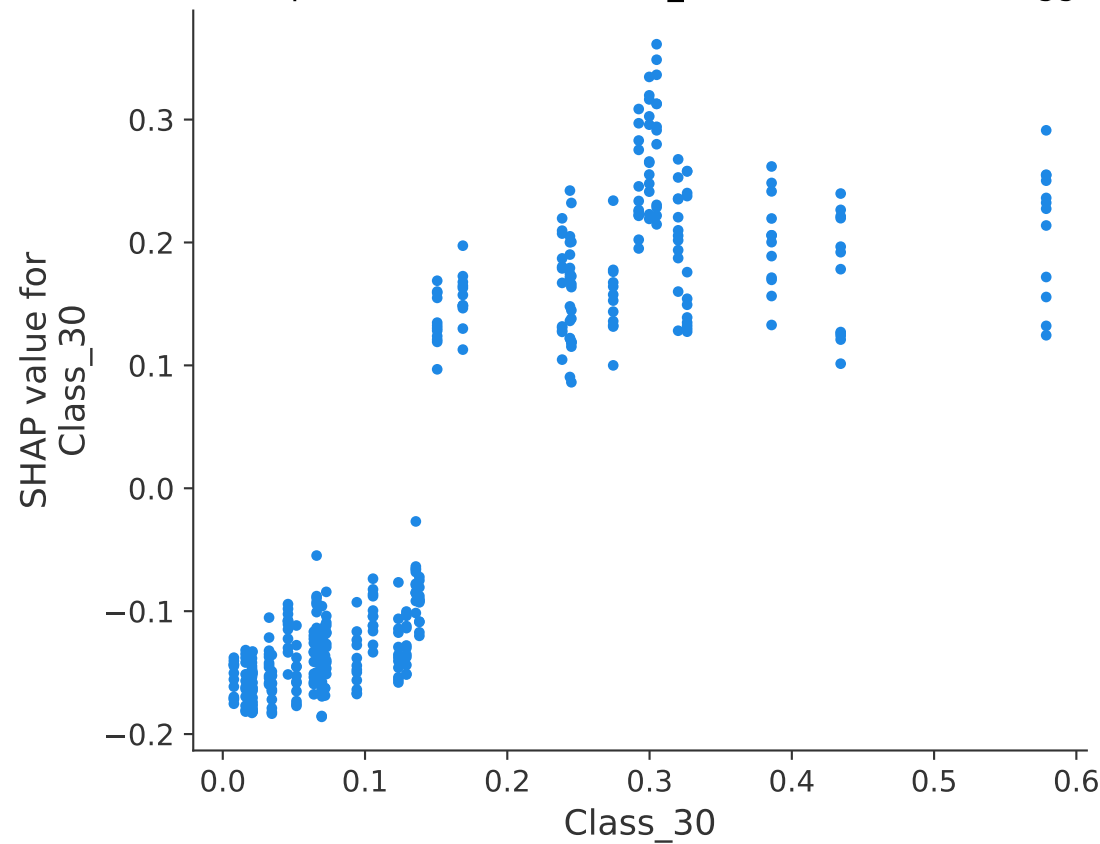
SHAP Dependence Plot for Class_40, Class 1 - Nusa Tenggara



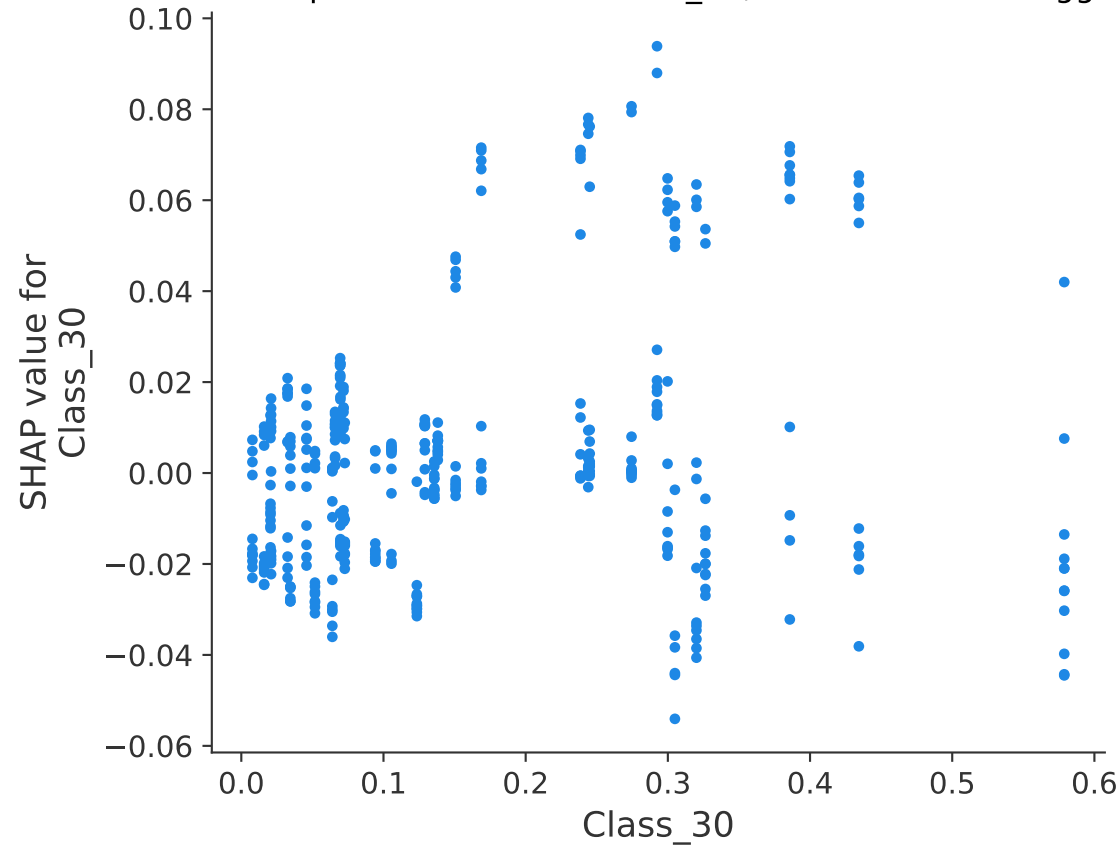
SHAP Dependence Plot for Class_40, Class 2 - Nusa Tenggara



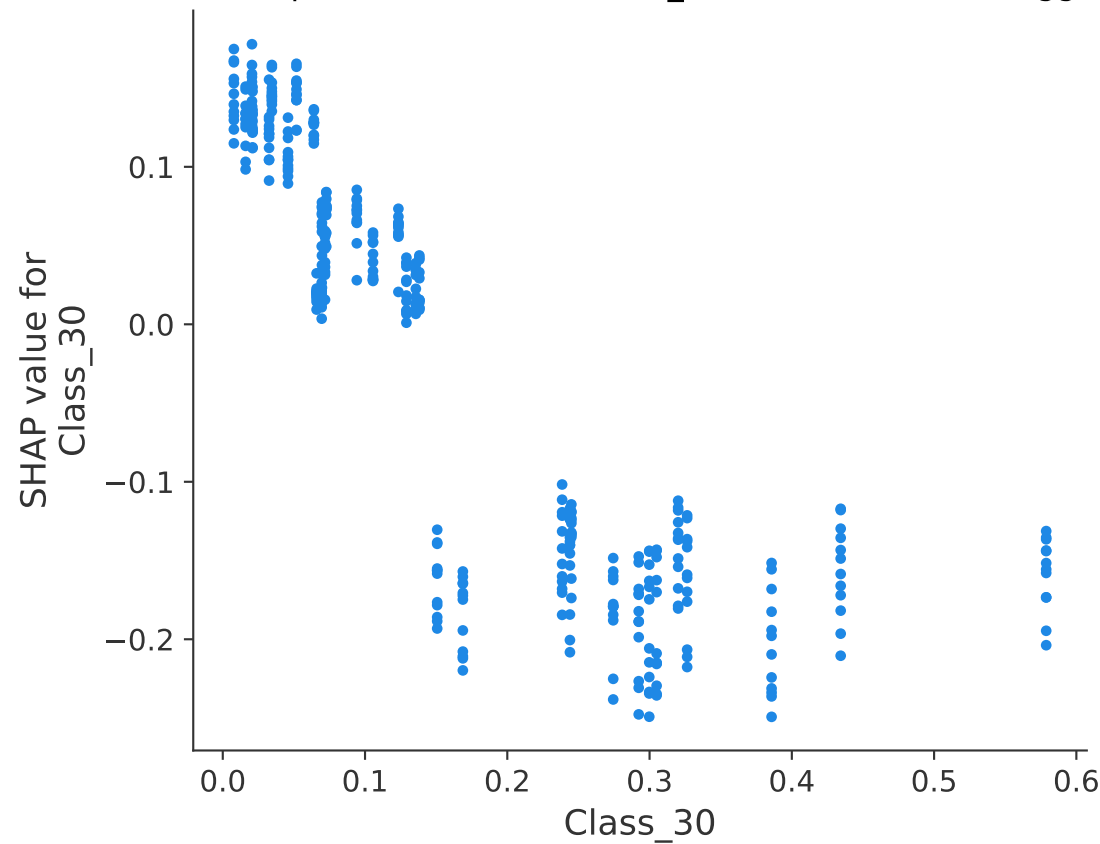
SHAP Dependence Plot for Class_30, Class 0 - Nusa Tenggara



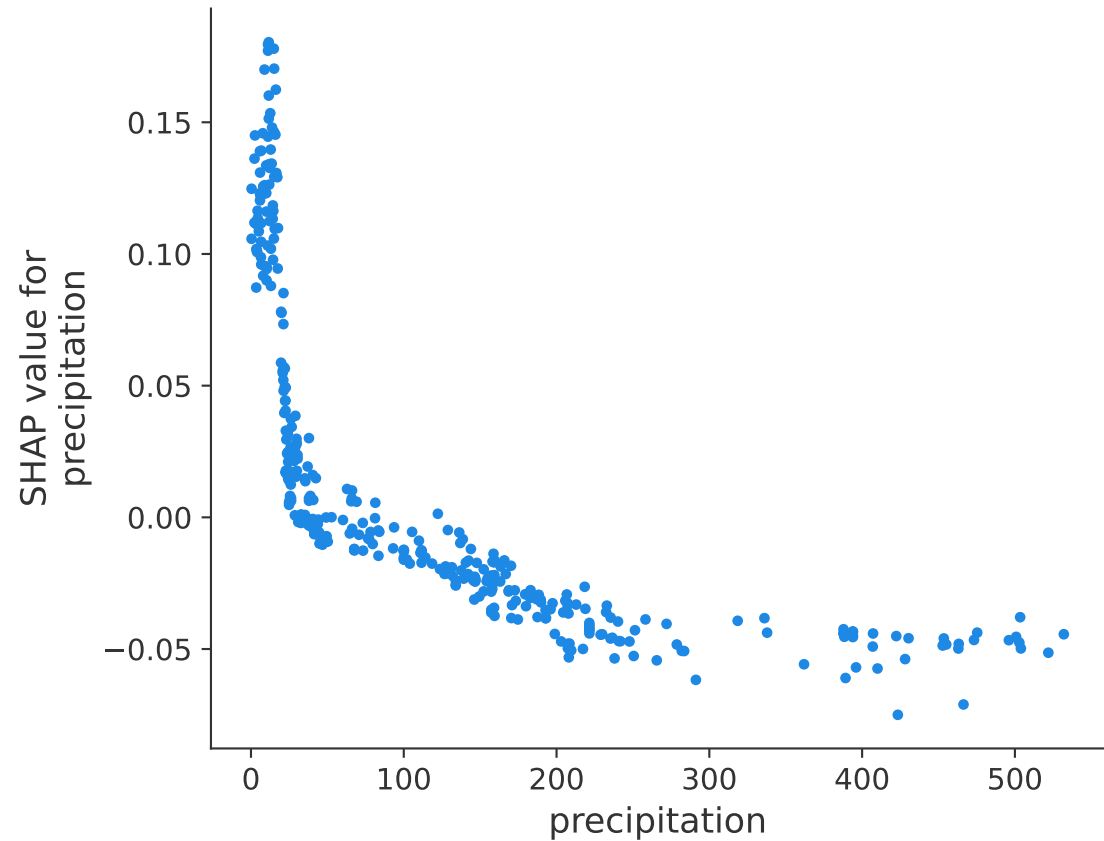
SHAP Dependence Plot for Class_30, Class 1 - Nusa Tenggara



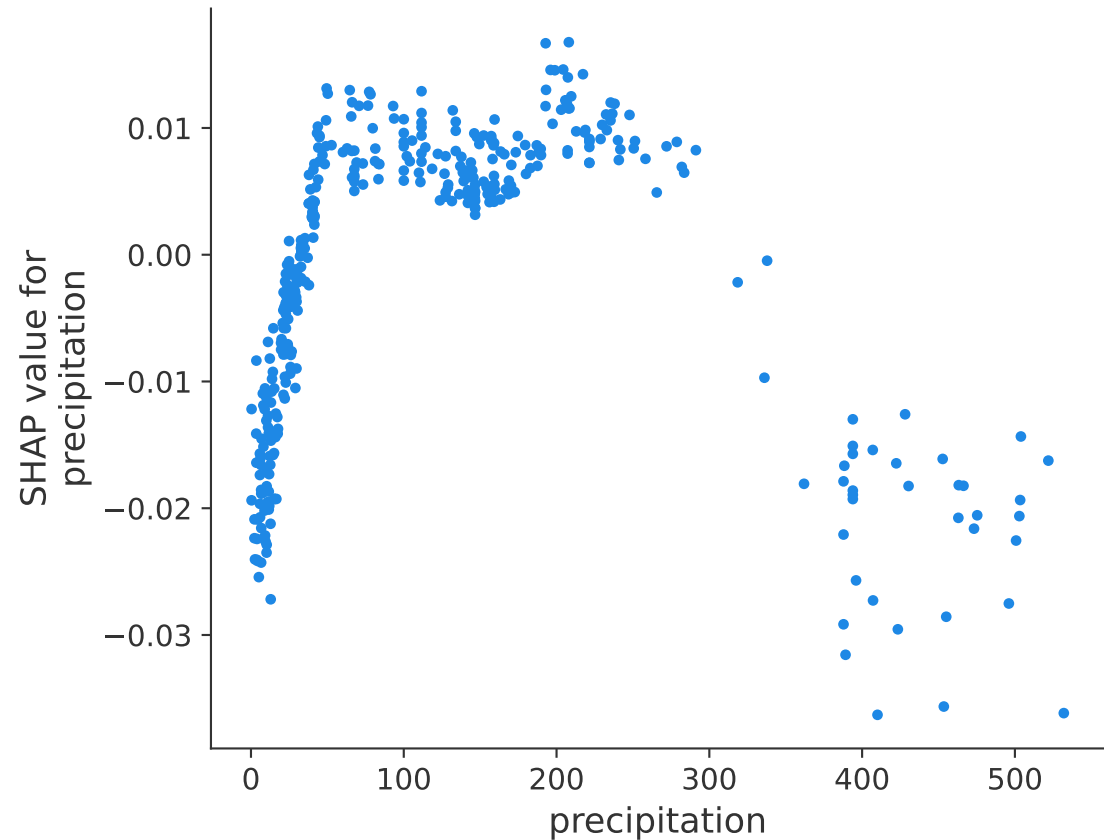
SHAP Dependence Plot for Class_30, Class 2 - Nusa Tenggara



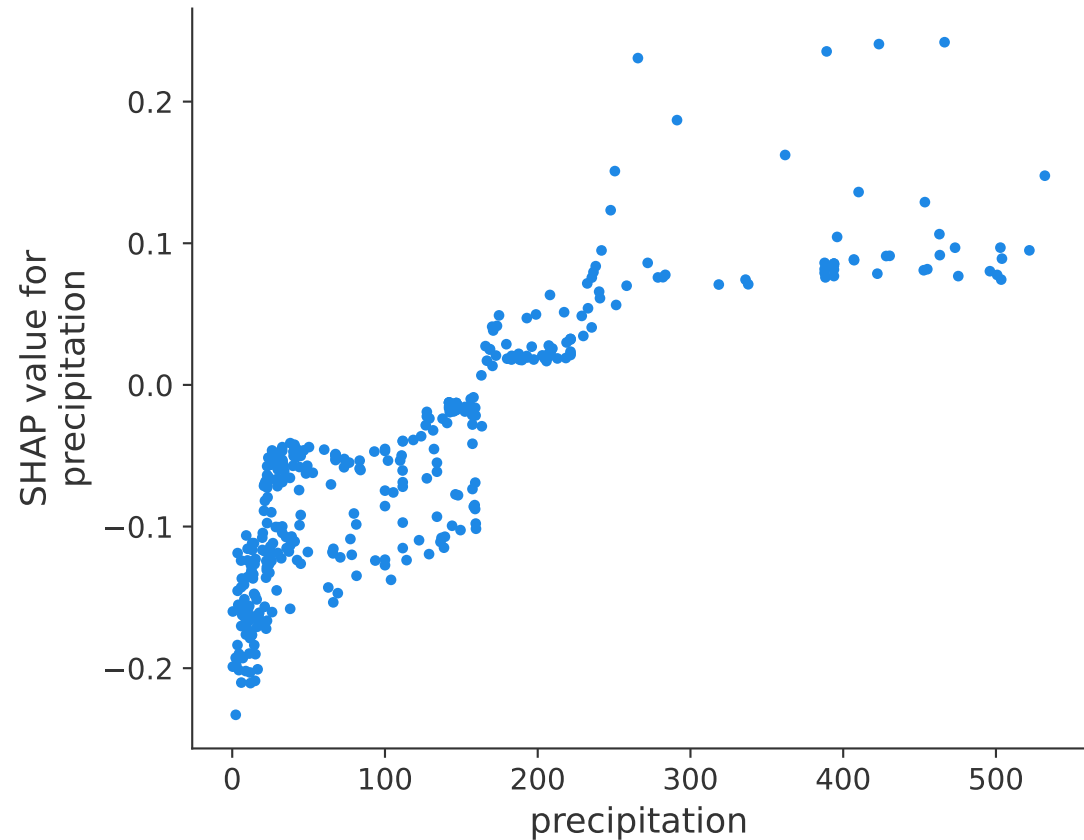
SHAP Dependence Plot for precipitation, Class 0 - Nusa Tenggara



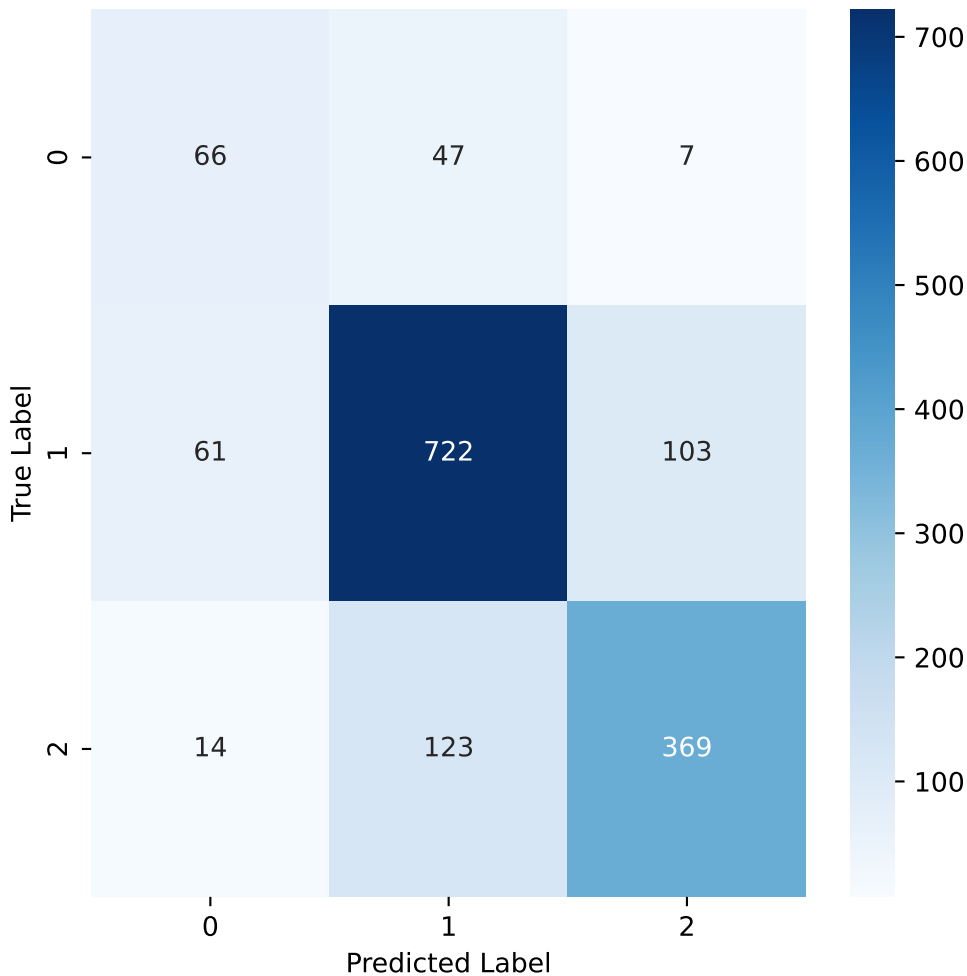
SHAP Dependence Plot for precipitation, Class 1 - Nusa Tenggara



SHAP Dependence Plot for precipitation, Class 2 - Nusa Tenggara



Confusion Matrix - Java



SHAP Beeswarm Plot for Class 0 - Java

High

Feature value

Low

Incidence_Rate_lag1

Class_80

total_evaporation_sum_lag1

Class_40

ANOM1+2_lag2

Class_50

Class_30

Class_20

Class_60

precipitation_lag2

precipitation_lag3

potential_evaporation_sum_lag3

Class_90

aridity_index

temperature_2m_min_lag1

precipitation_ANOM_lag2

ANOM3_lag2

DMI_lag3

DMI

temperature_2m_min_ANOM_lag2

SHAP value (impact on model output)

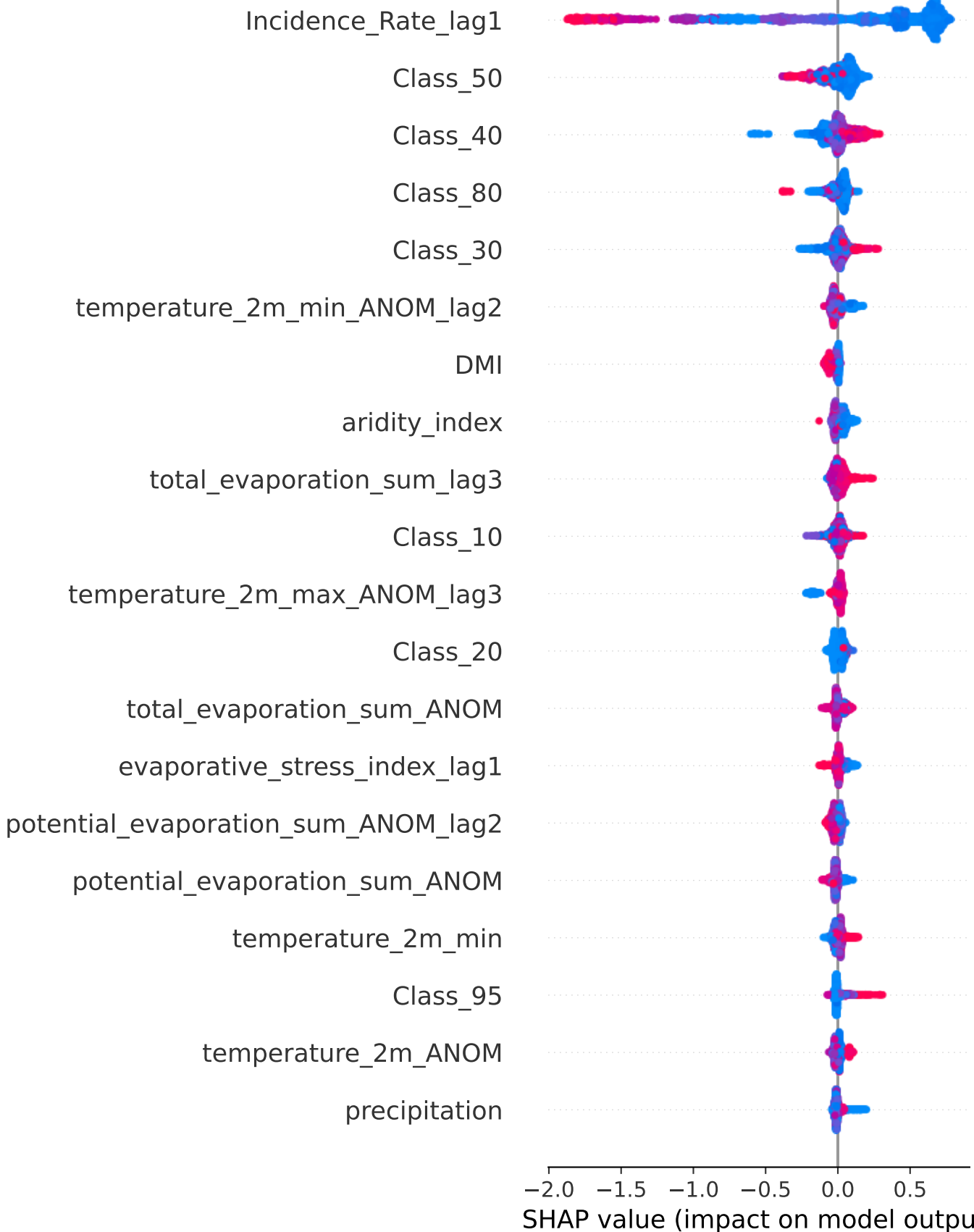
-2 -1 0 1

SHAP Beeswarm Plot for Class 1 - Java

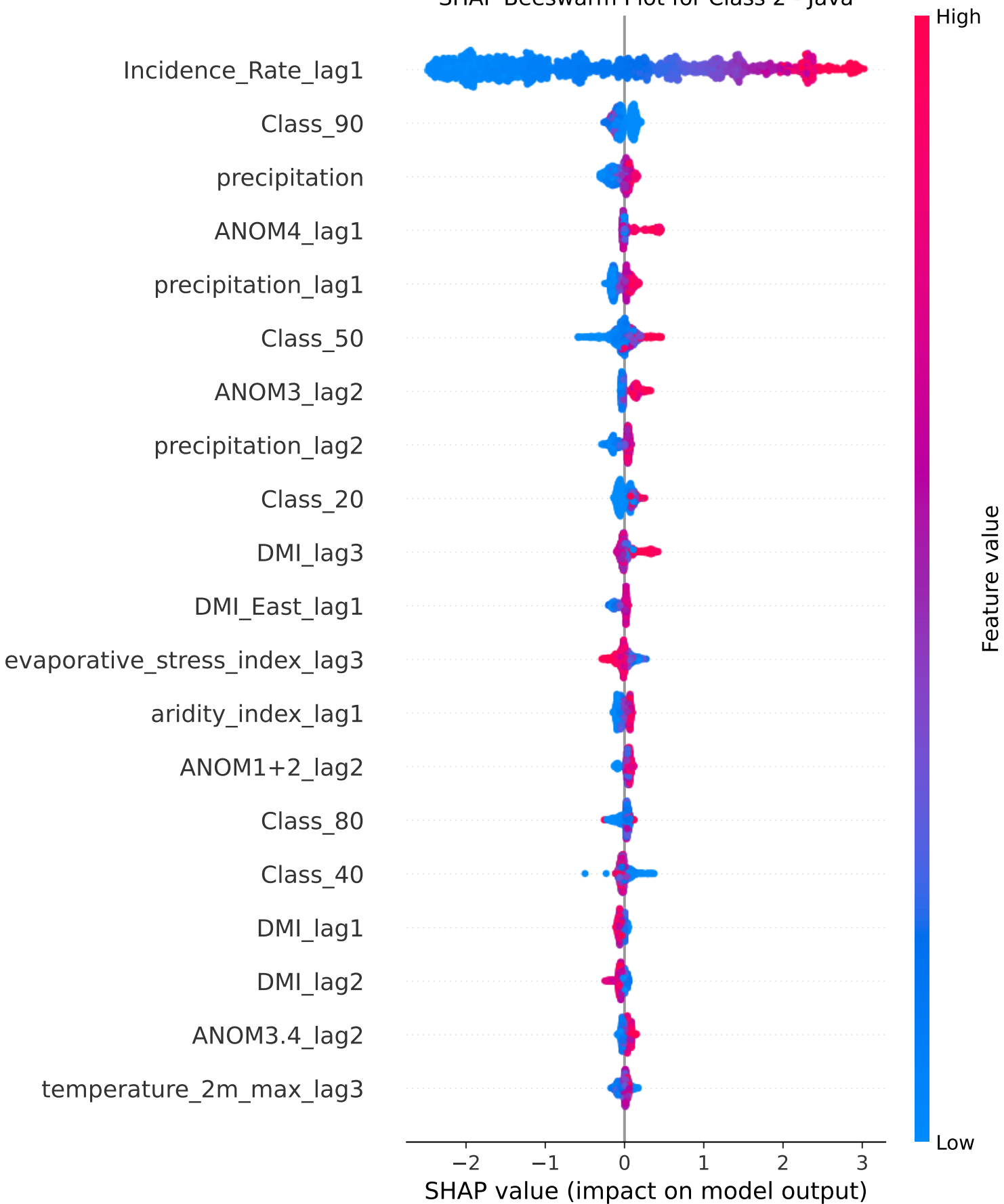
High

Feature value

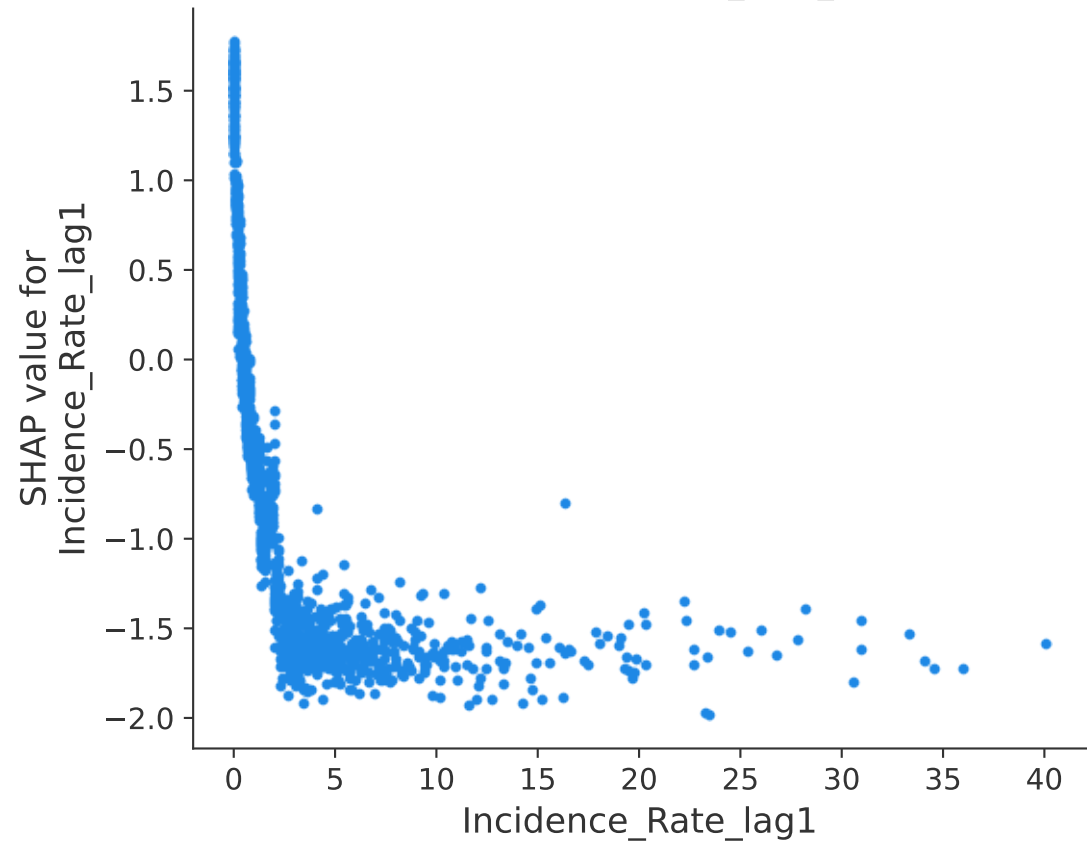
Low



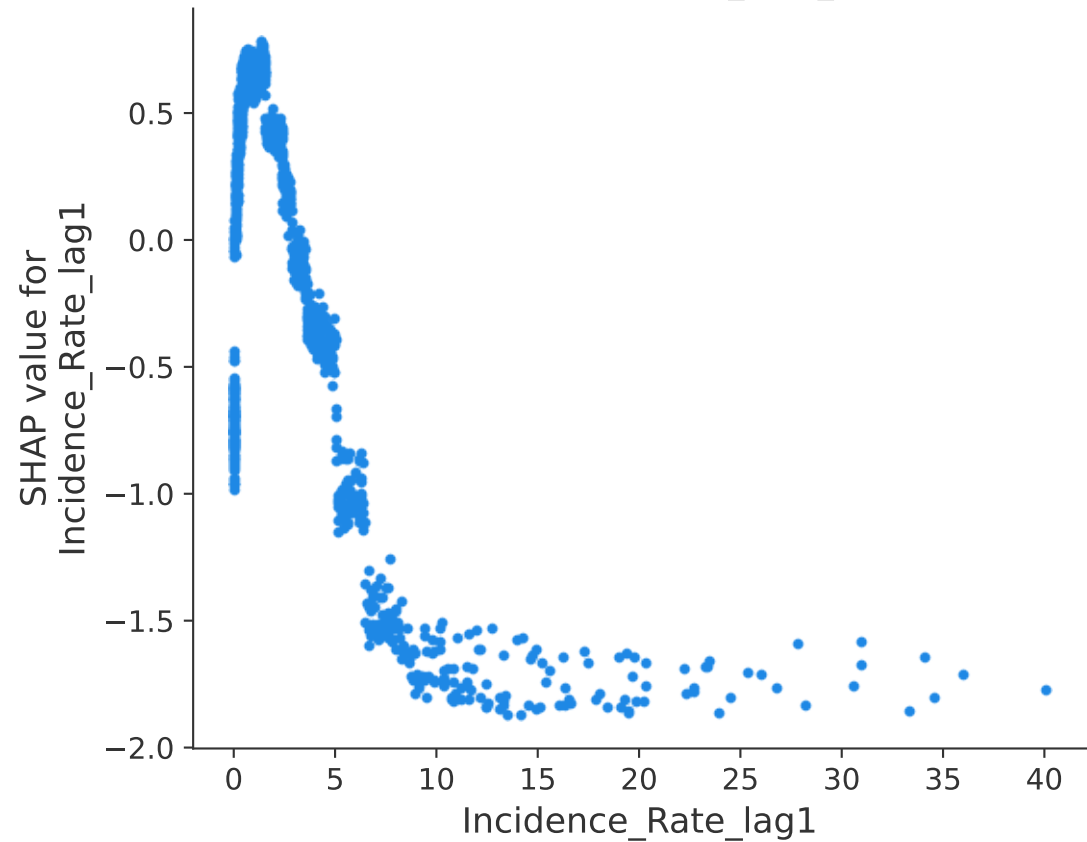
SHAP Beeswarm Plot for Class 2 - Java



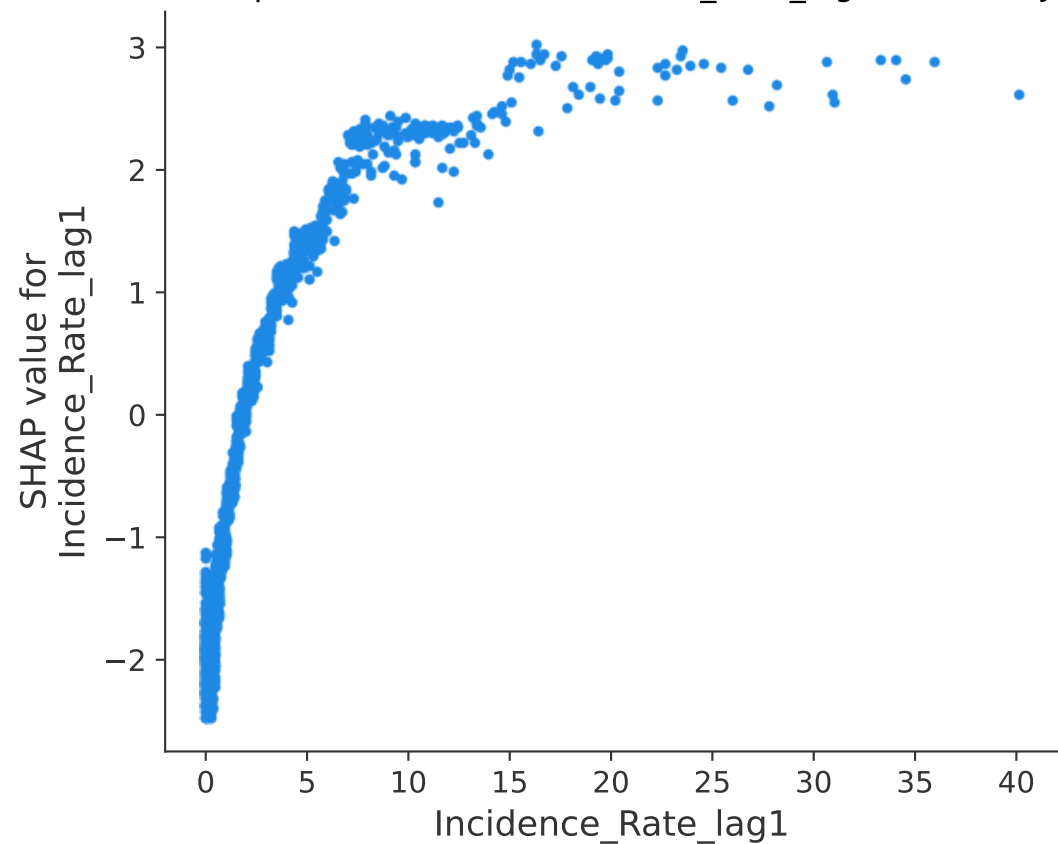
SHAP Dependence Plot for Incidence_Rate_lag1, Class 0 - Java



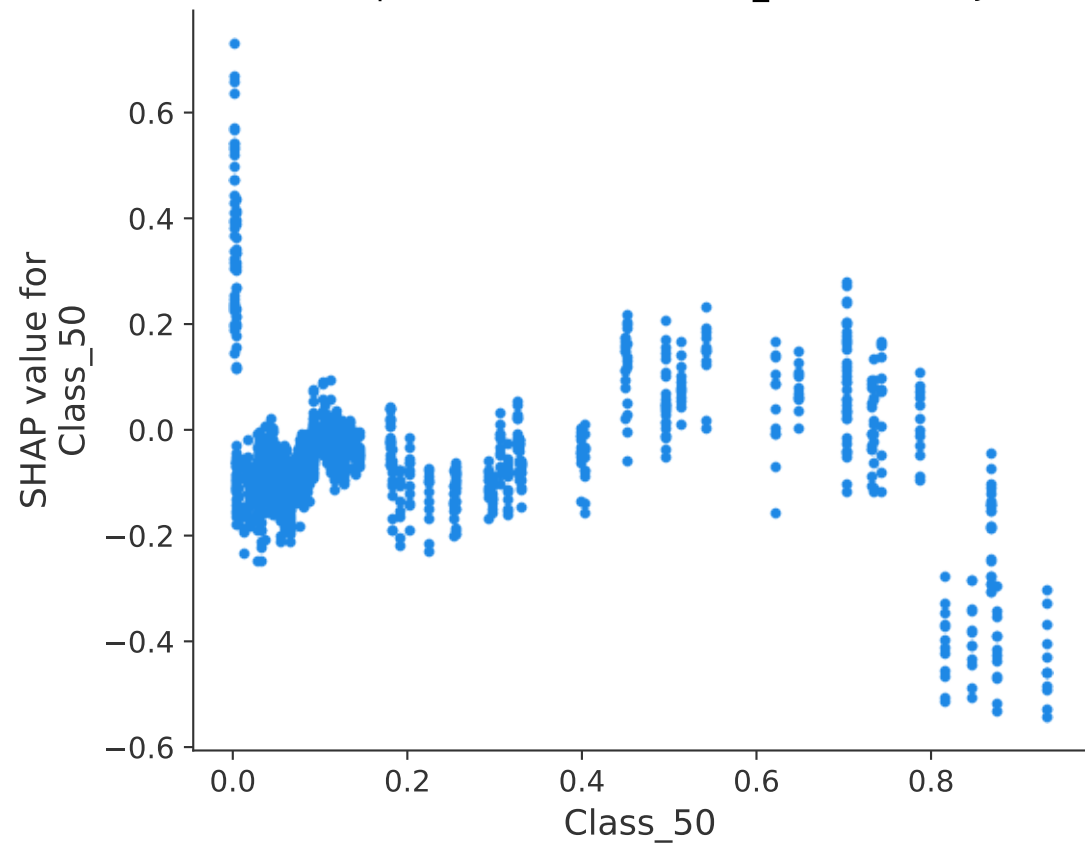
SHAP Dependence Plot for Incidence_Rate_lag1, Class 1 - Java



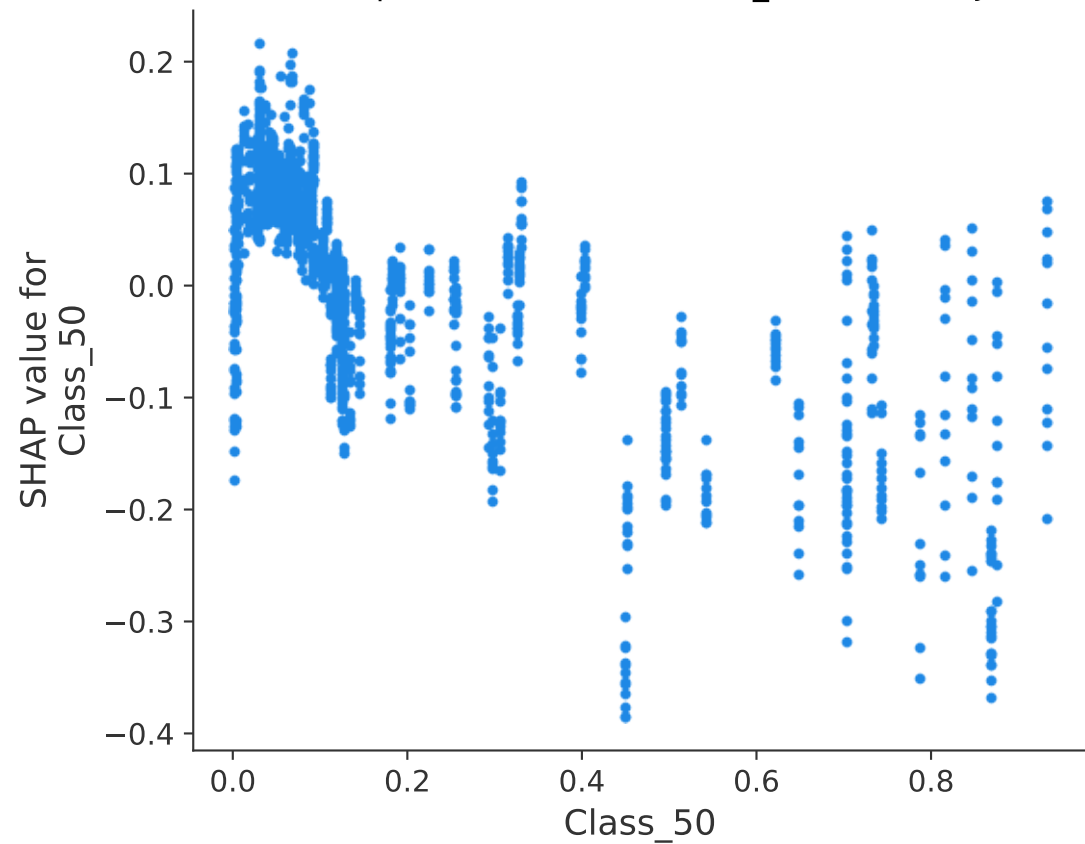
SHAP Dependence Plot for Incidence_Rate_lag1, Class 2 - Java



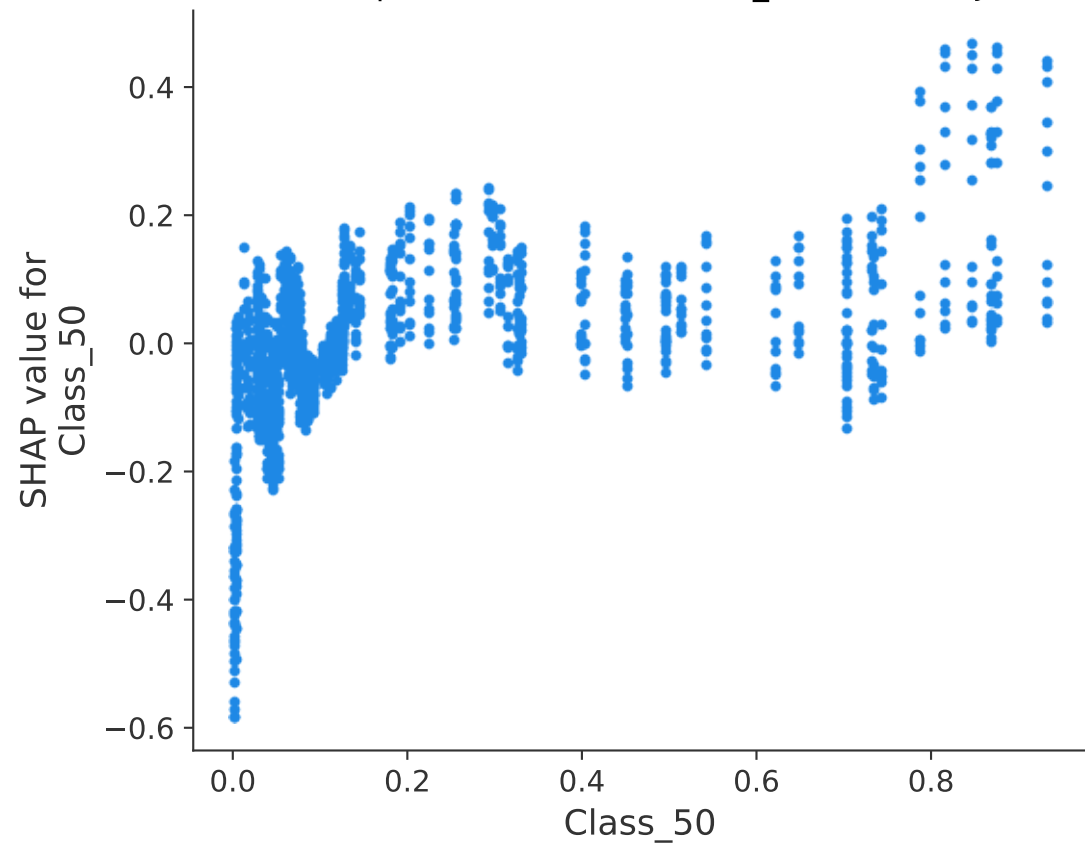
SHAP Dependence Plot for Class_50, Class 0 - Java



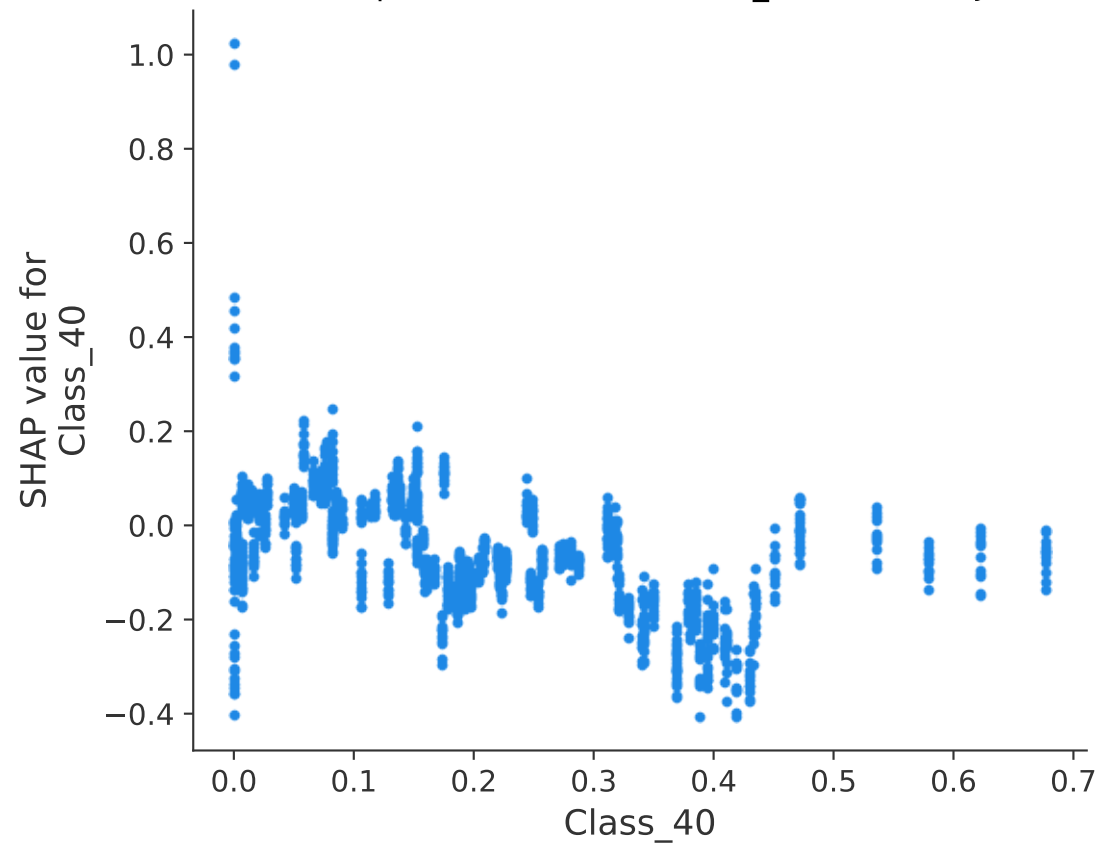
SHAP Dependence Plot for Class_50, Class 1 - Java



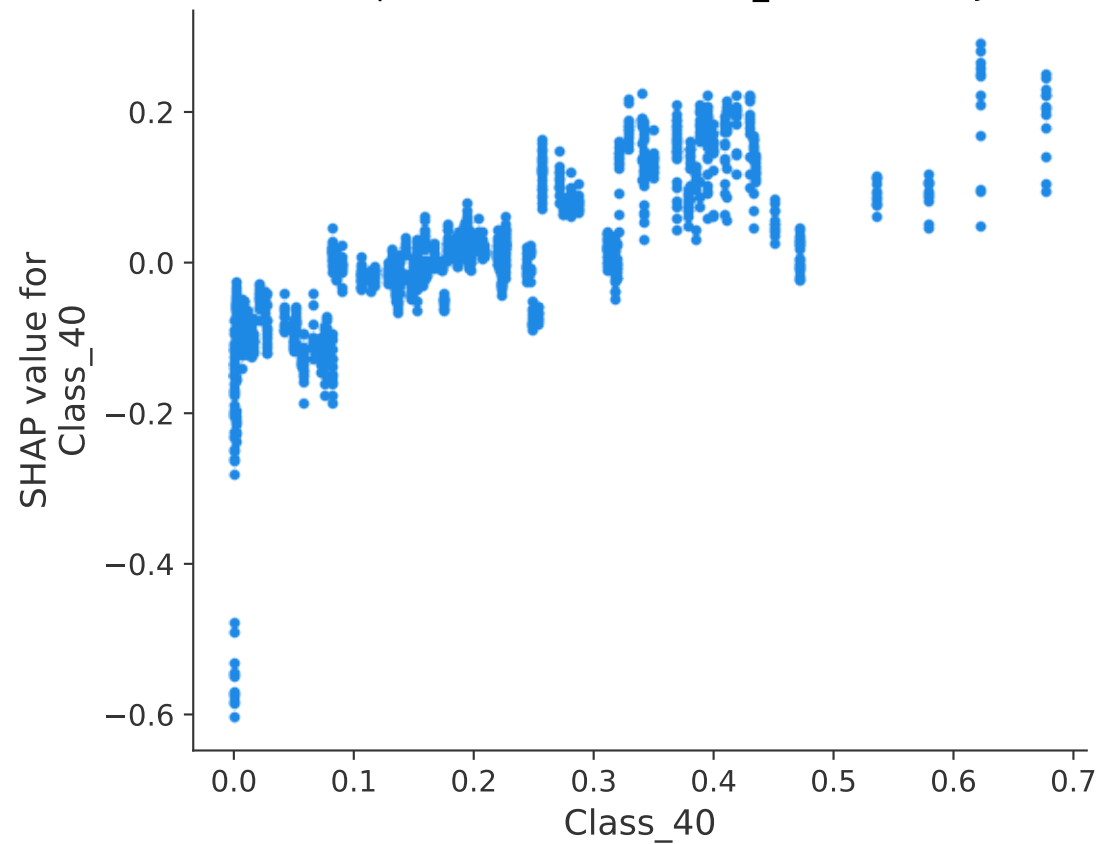
SHAP Dependence Plot for Class_50, Class 2 - Java



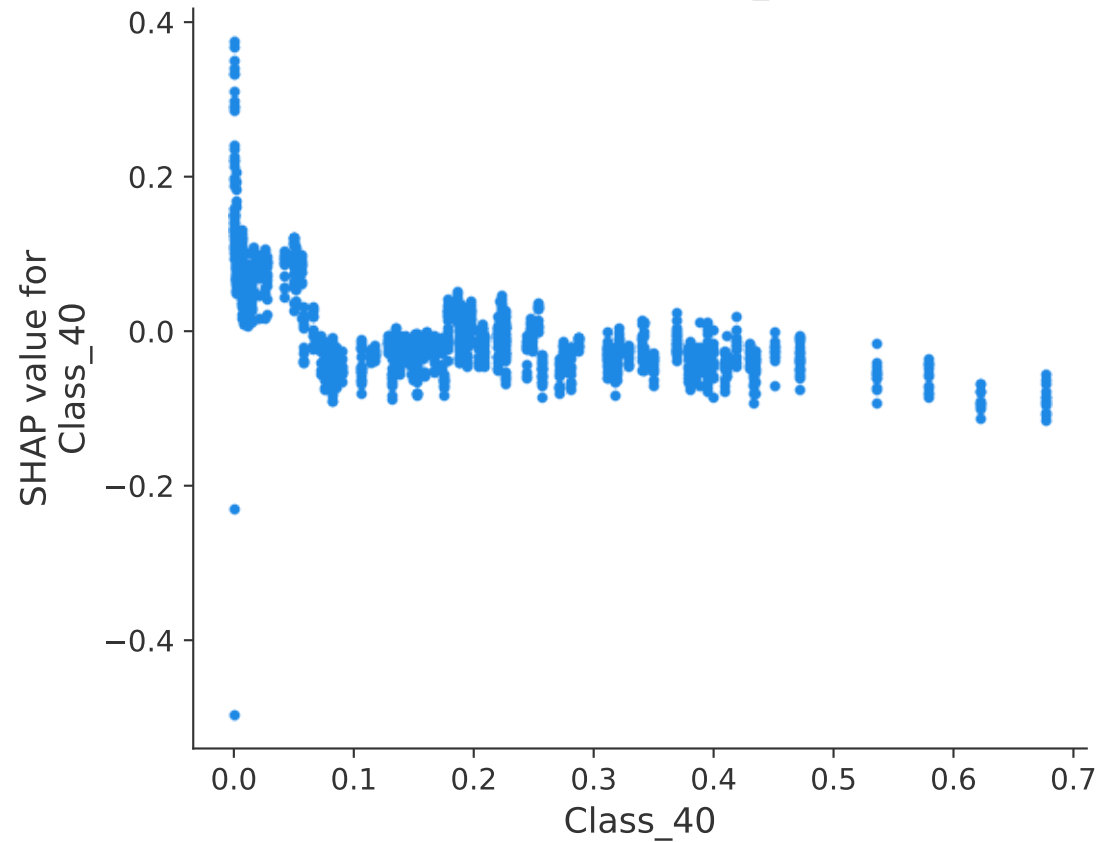
SHAP Dependence Plot for Class_40, Class 0 - Java



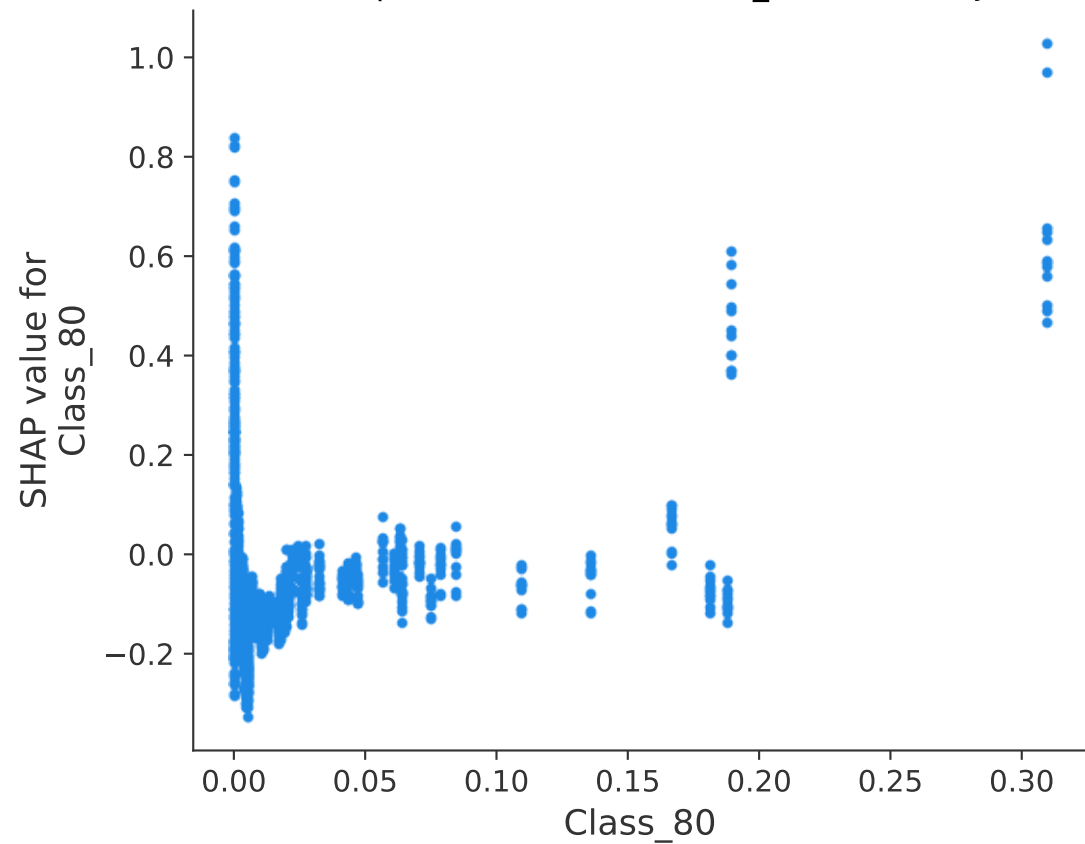
SHAP Dependence Plot for Class_40, Class 1 - Java



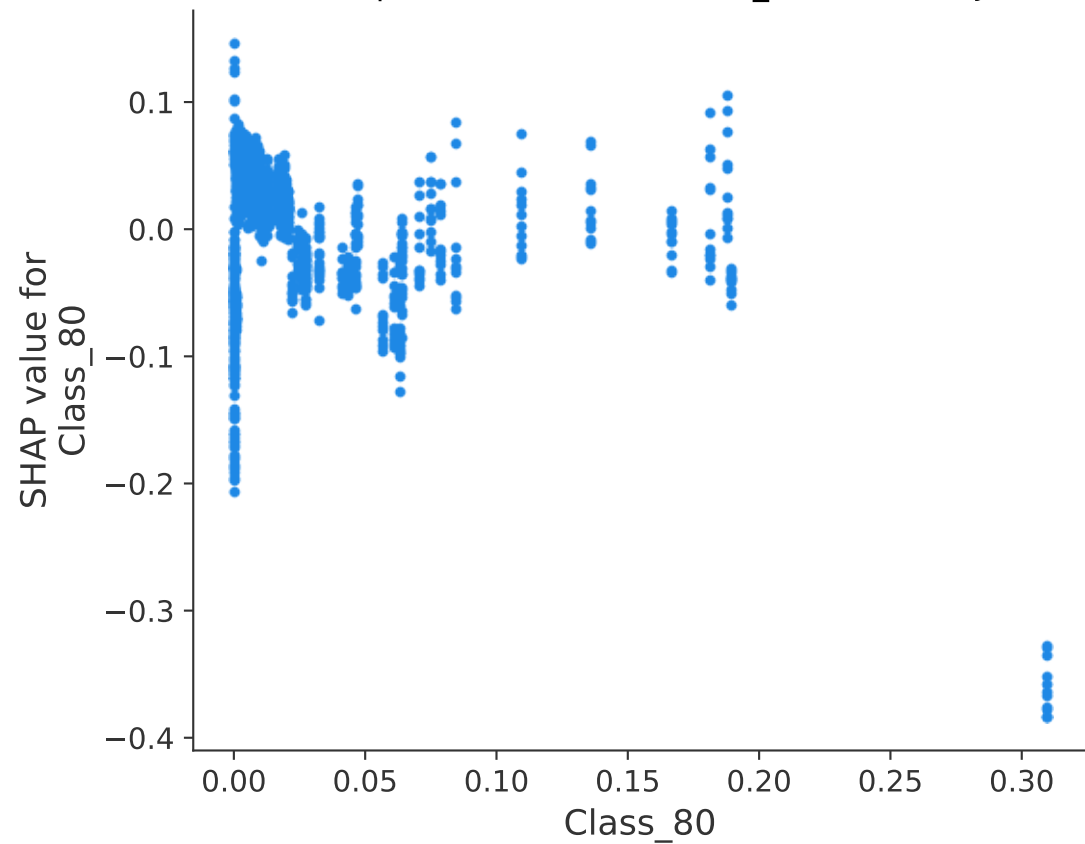
SHAP Dependence Plot for Class_40, Class 2 - Java



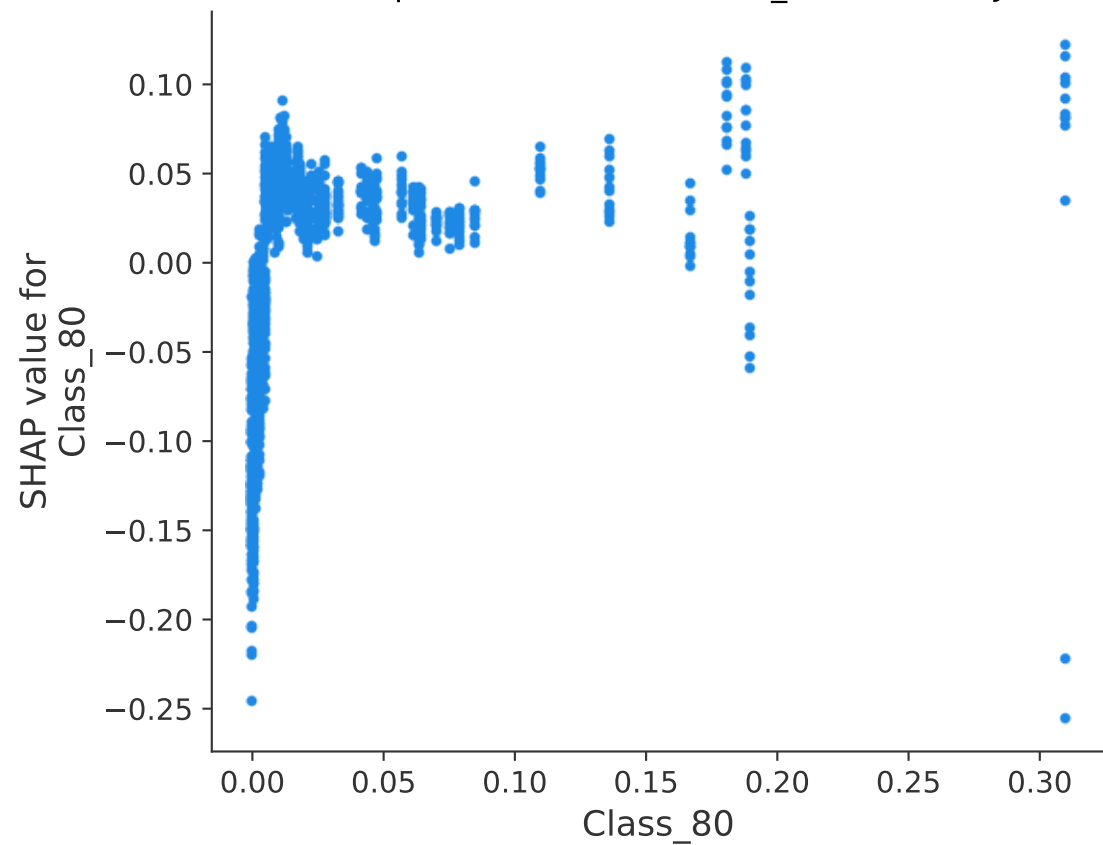
SHAP Dependence Plot for Class_80, Class 0 - Java



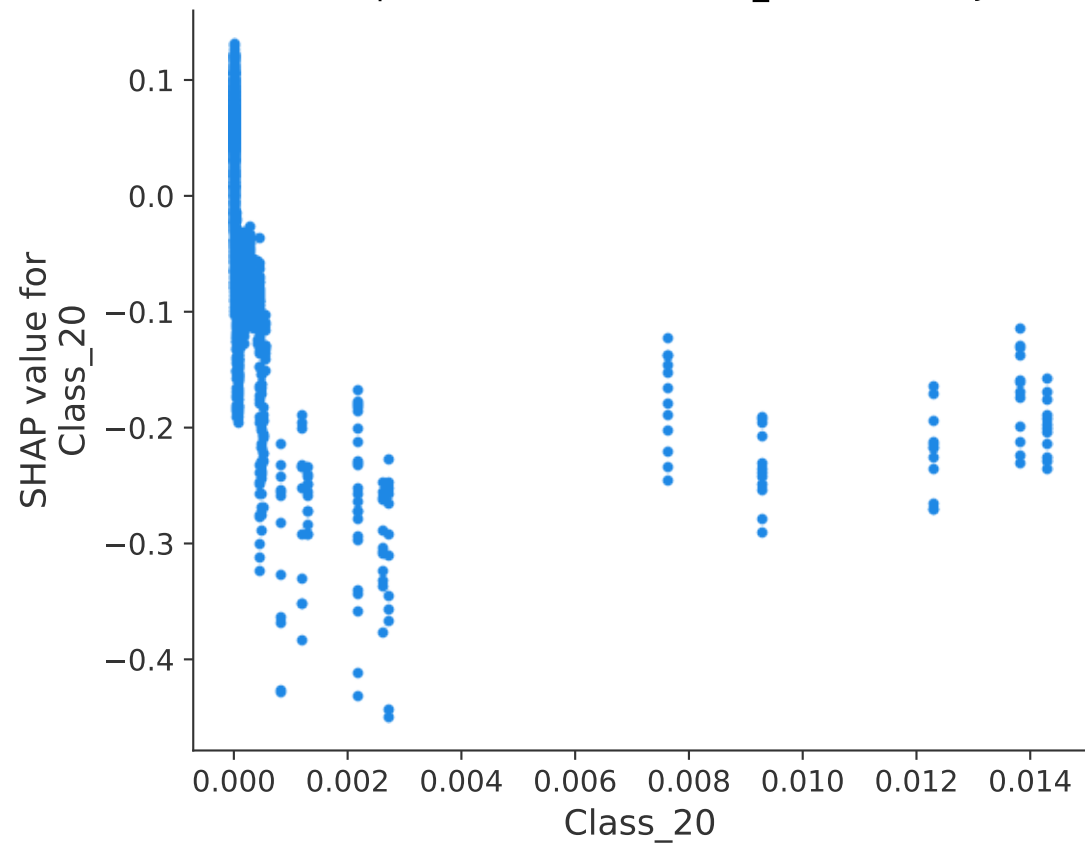
SHAP Dependence Plot for Class_80, Class 1 - Java



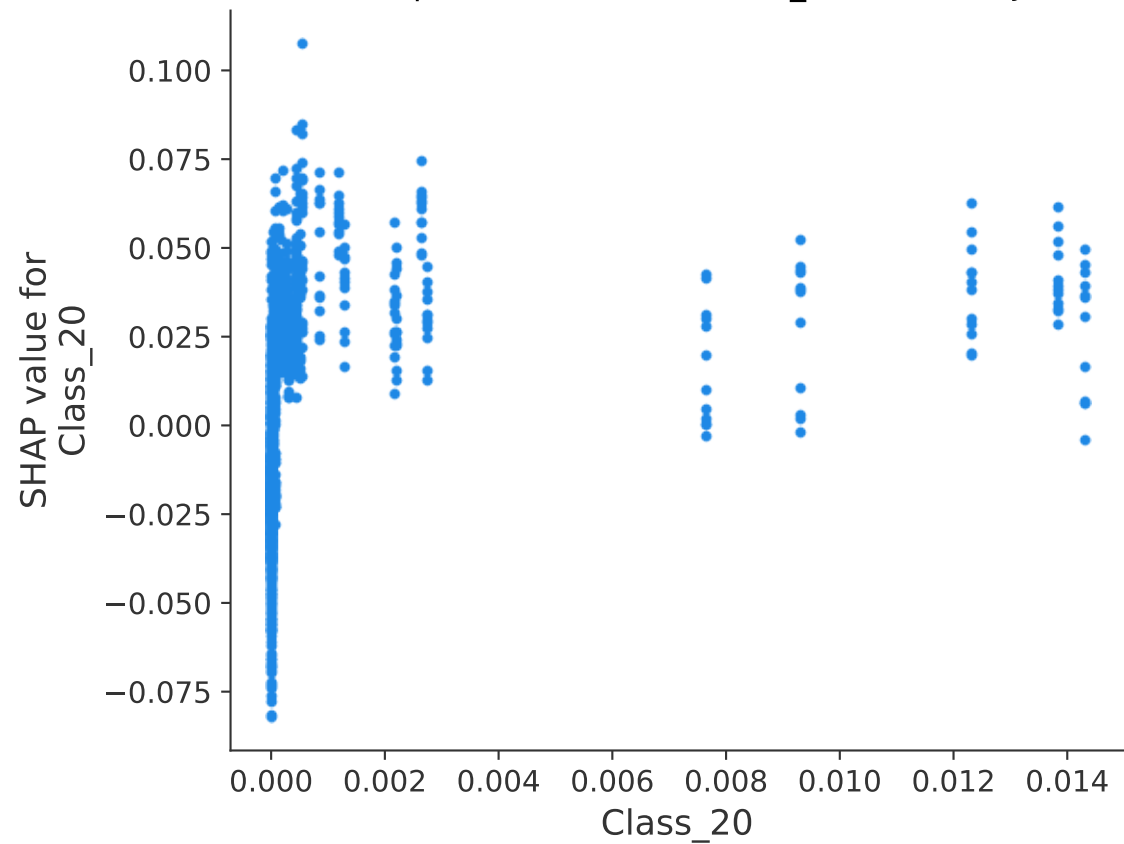
SHAP Dependence Plot for Class_80, Class 2 - Java



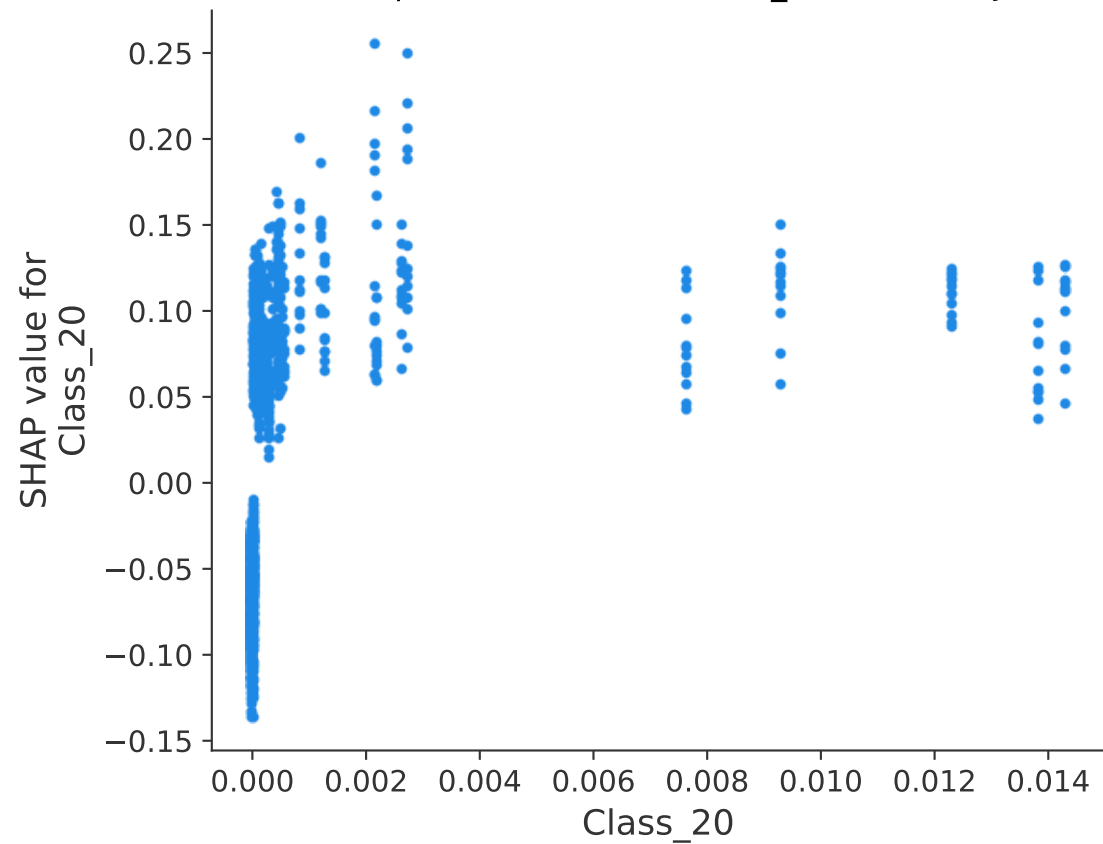
SHAP Dependence Plot for Class_20, Class 0 - Java



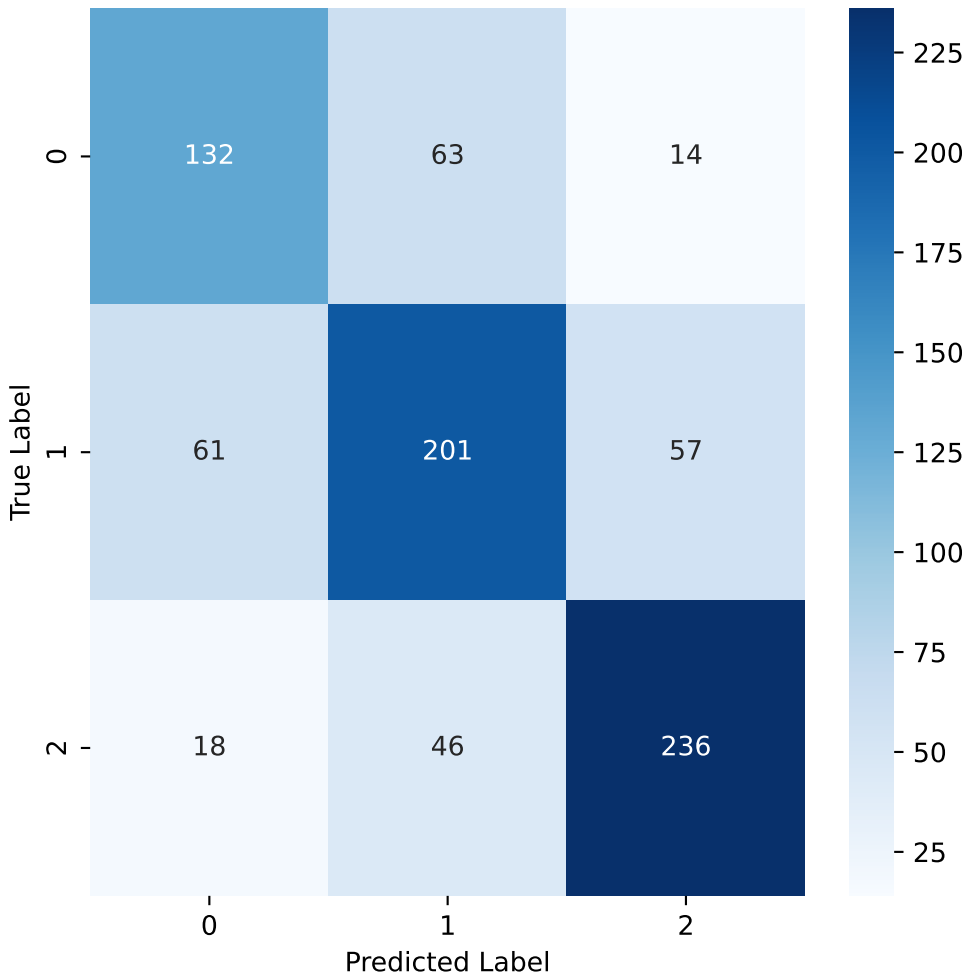
SHAP Dependence Plot for Class_20, Class 1 - Java



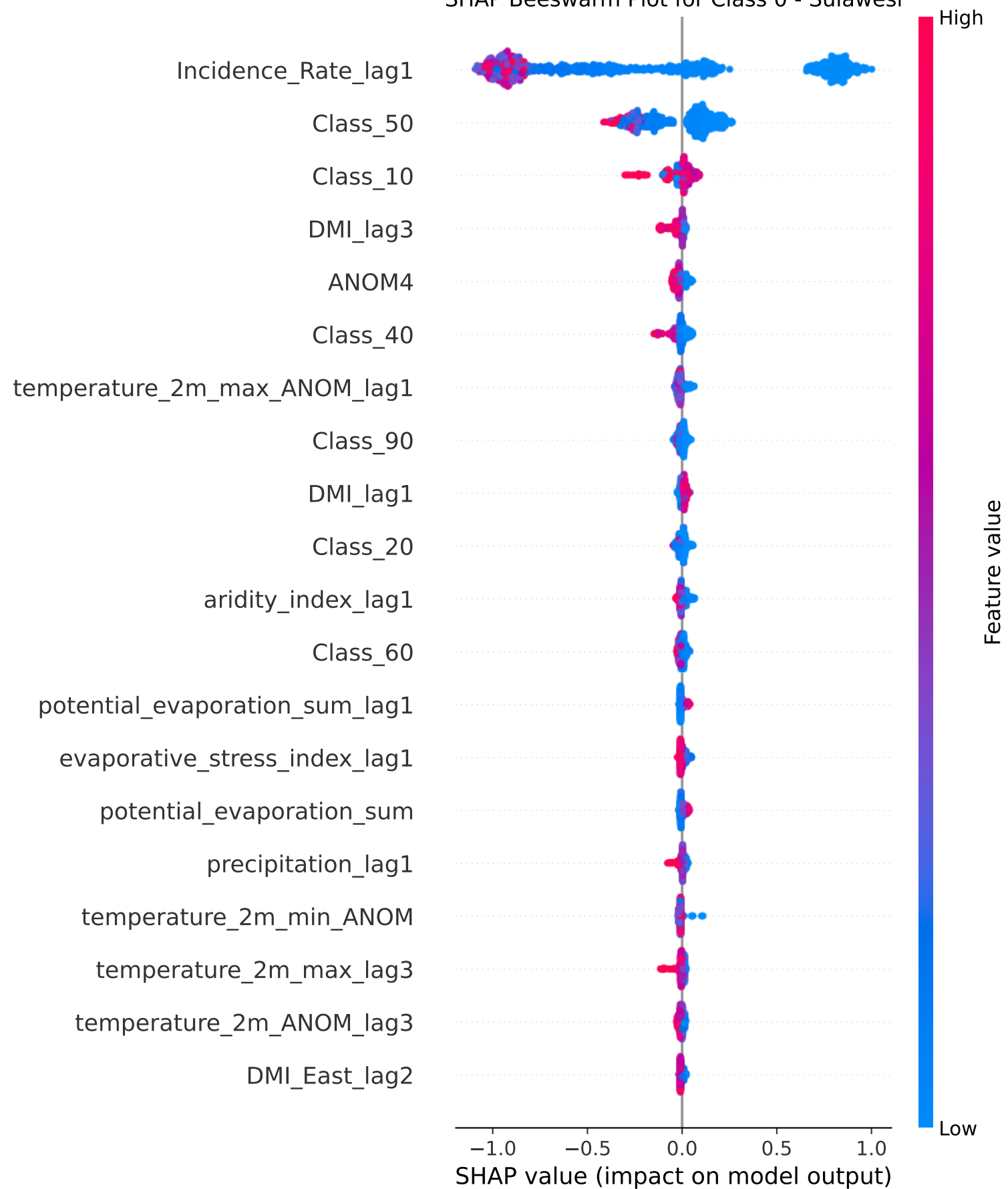
SHAP Dependence Plot for Class_20, Class 2 - Java



Confusion Matrix - Sulawesi



SHAP Beeswarm Plot for Class 0 - Sulawesi



SHAP Beeswarm Plot for Class 1 - Sulawesi

High

Feature value

Low

Incidence_Rate_lag1

Class_40

Class_90

Class_95

Class_10

Class_20

potential_evaporation_sum_lag3

temperature_2m_ANOM

Class_80

Class_50

DMI

Class_30

total_evaporation_sum_lag3

ANOM3.4_lag2

temperature_2m_max_ANOM_lag2

ANOM4

evaporative_stress_index_lag3

temperature_2m_max

temperature_2m_min_ANOM_lag3

Class_60

SHAP value (impact on model output)

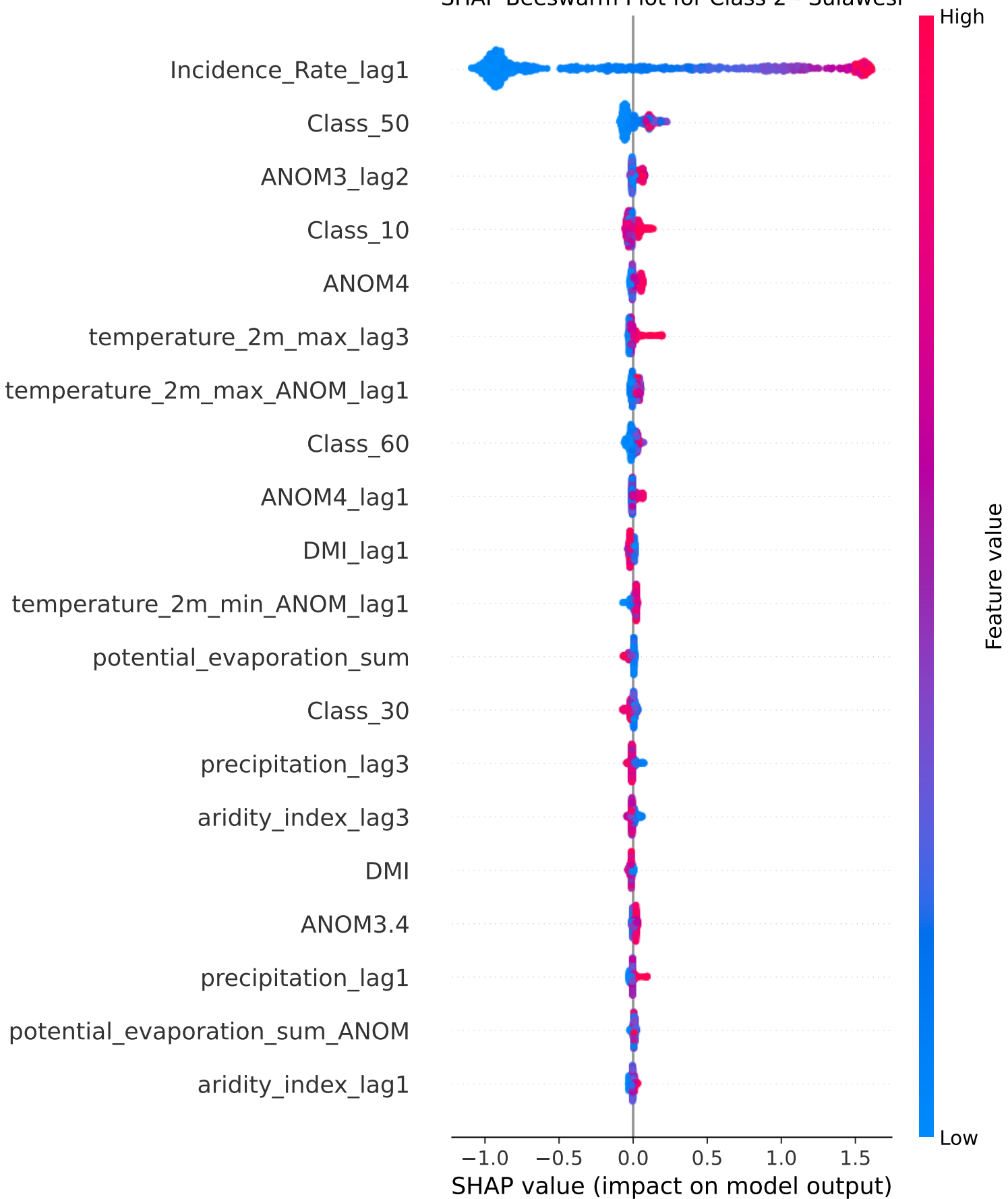
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-0.5

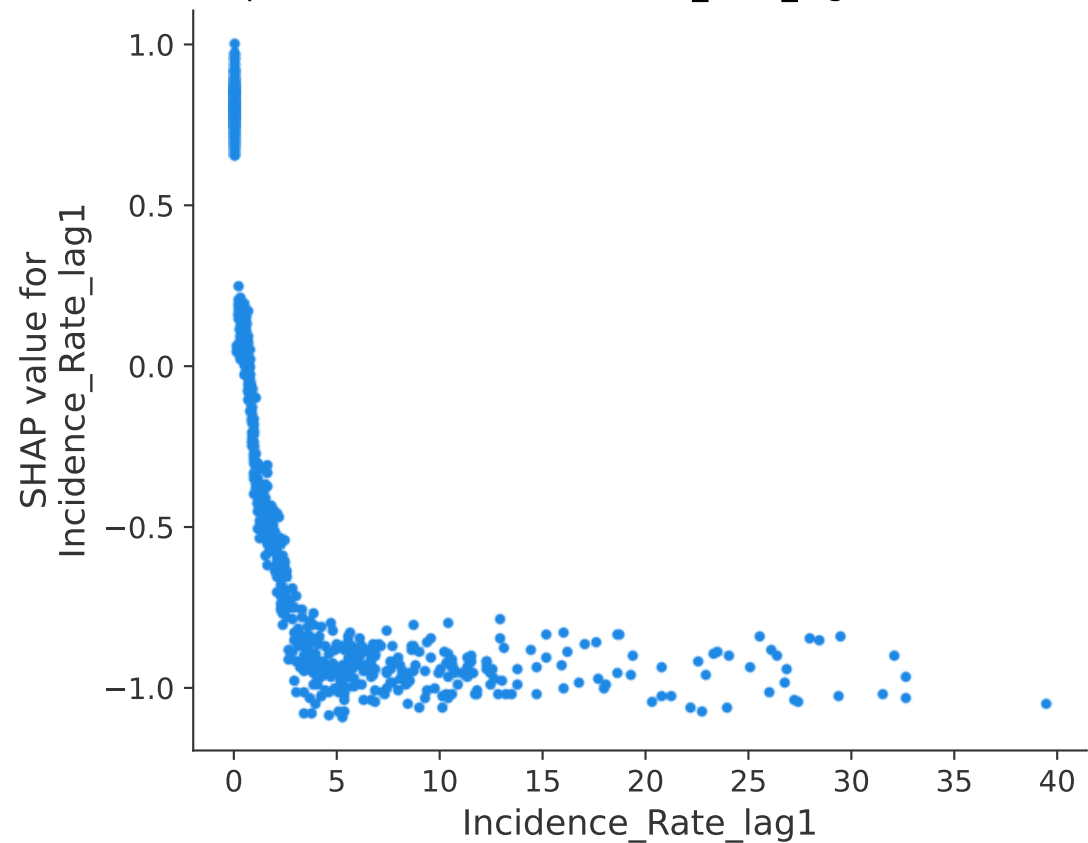
0.0

0.5

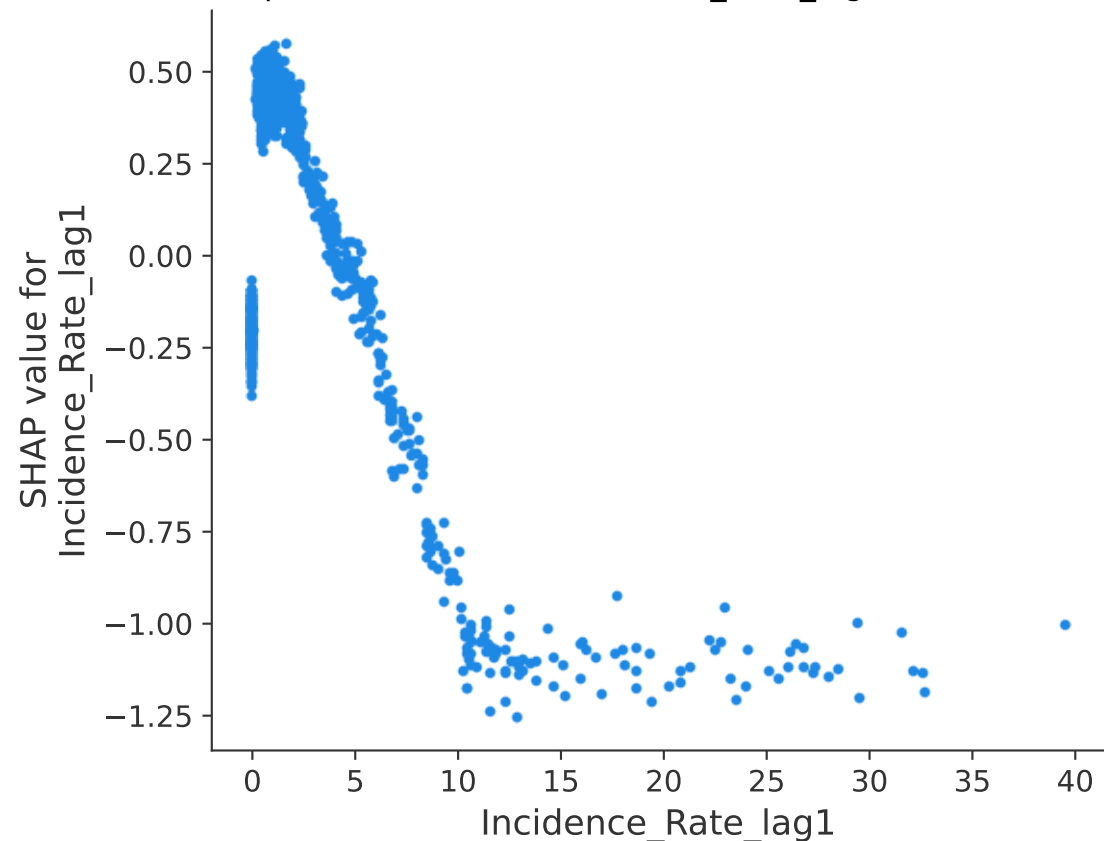
SHAP Beeswarm Plot for Class 2 - Sulawesi



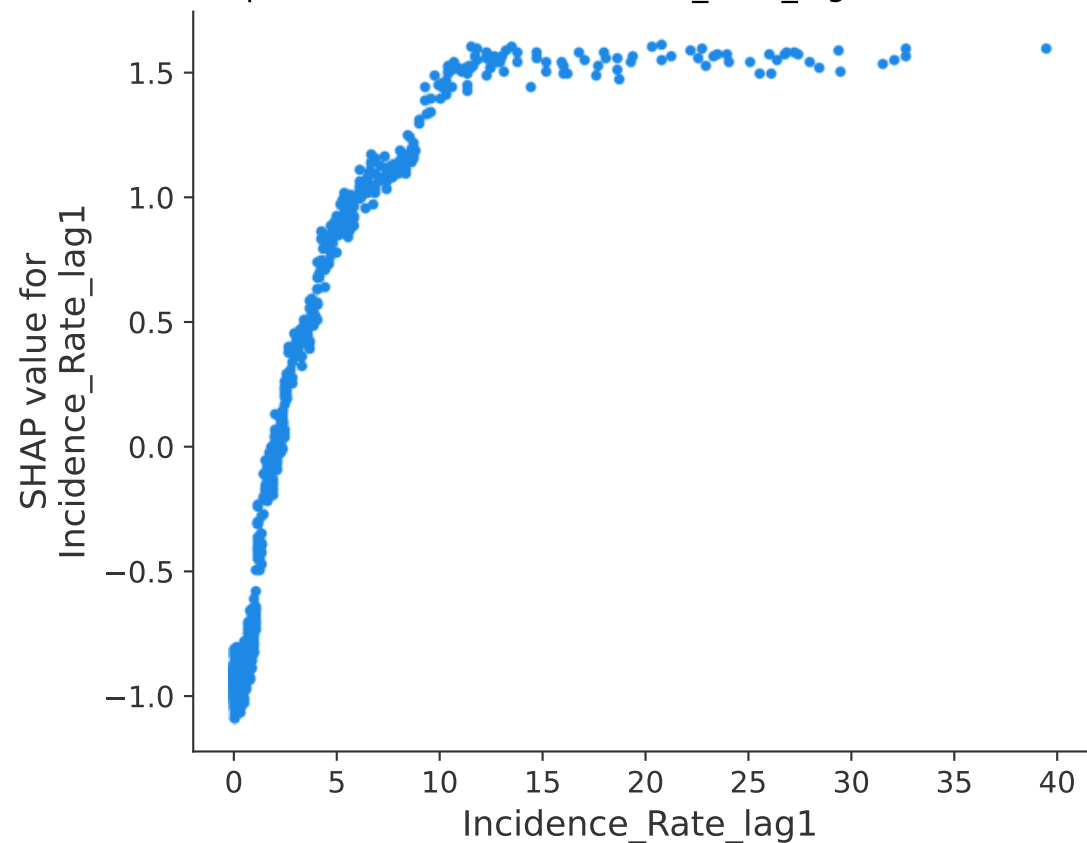
SHAP Dependence Plot for Incidence_Rate_lag1, Class 0 - Sulawesi



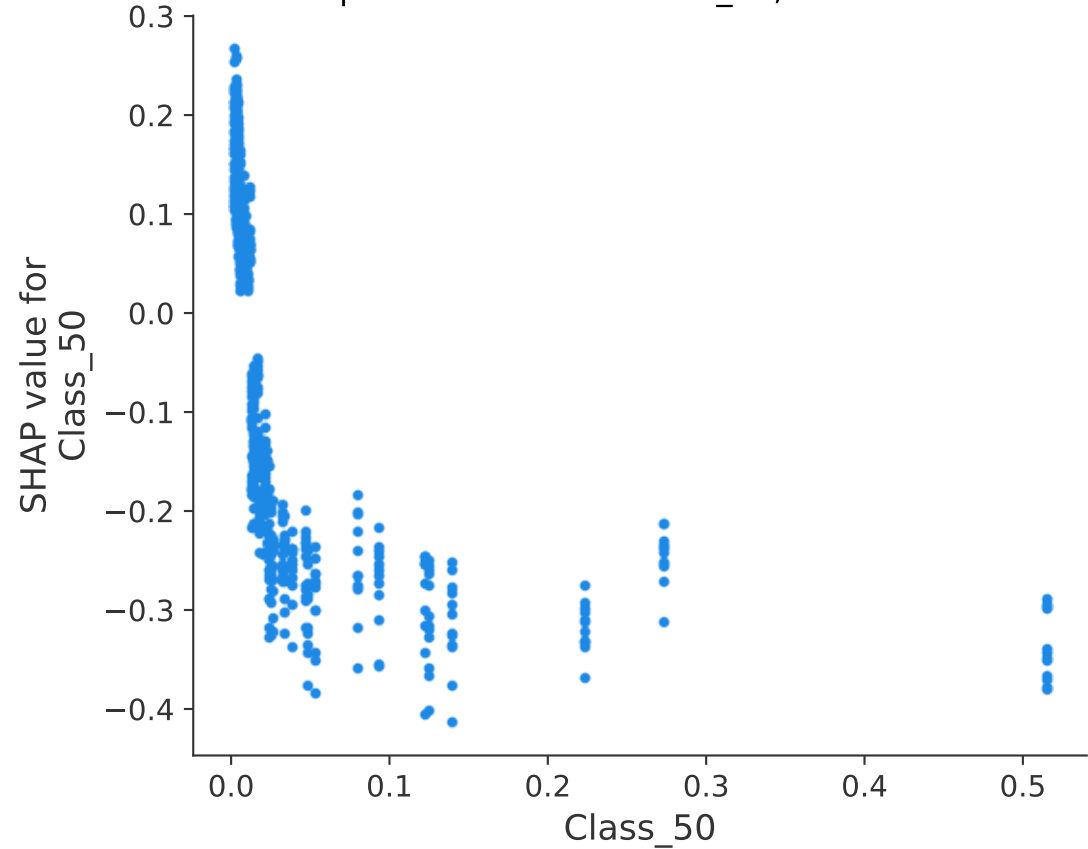
SHAP Dependence Plot for Incidence_Rate_lag1, Class 1 - Sulawesi



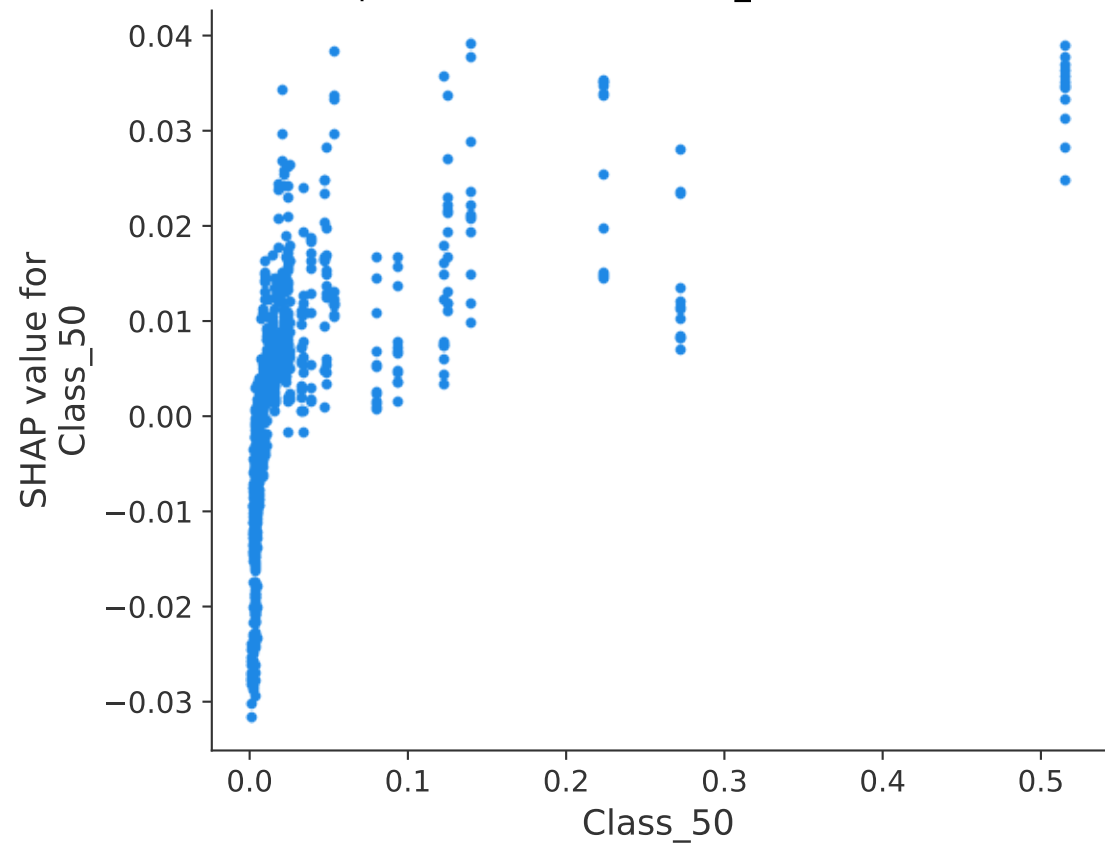
SHAP Dependence Plot for Incidence_Rate_lag1, Class 2 - Sulawesi



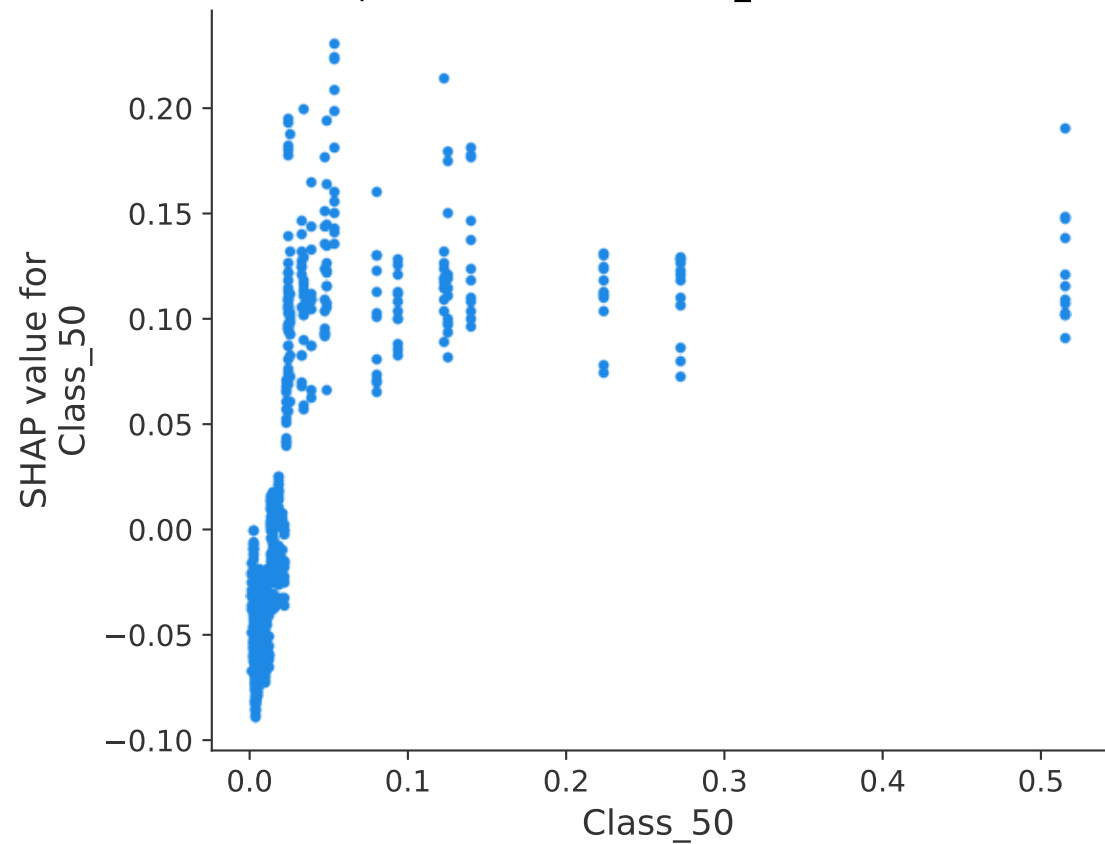
SHAP Dependence Plot for Class_50, Class 0 - Sulawesi



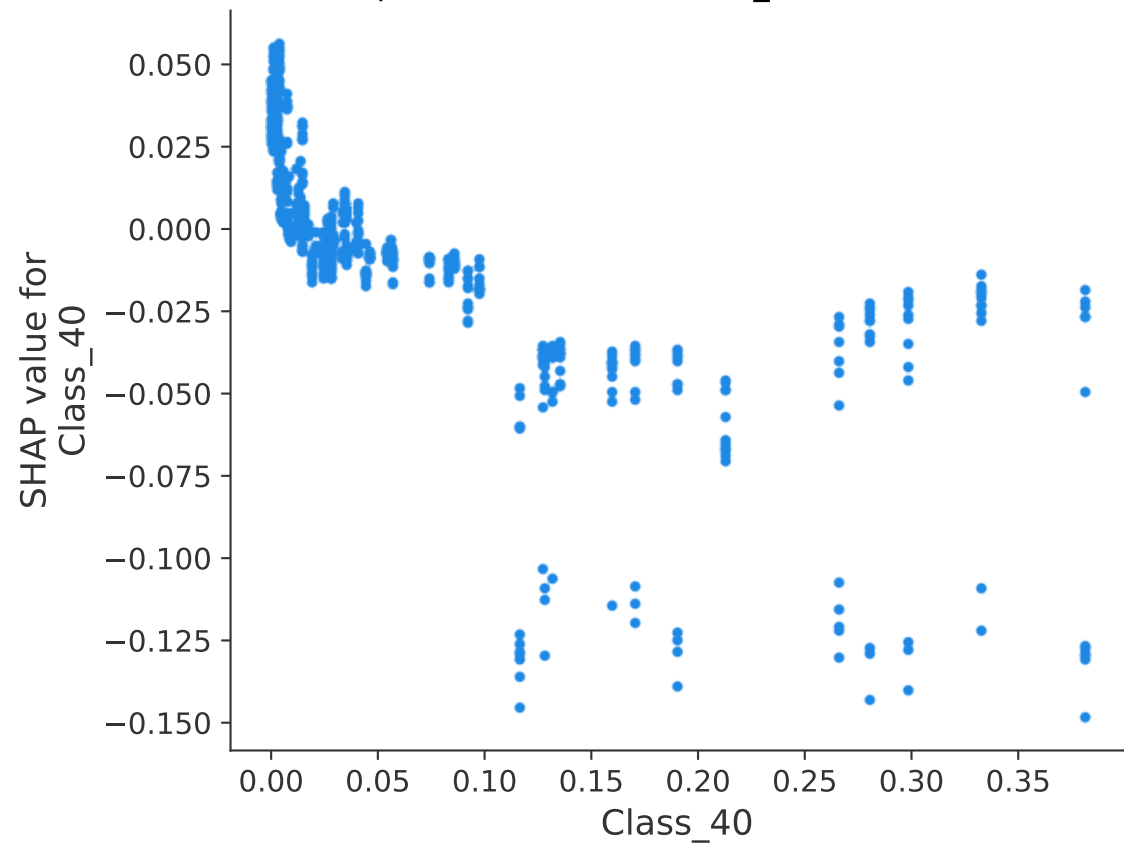
SHAP Dependence Plot for Class_50, Class 1 - Sulawesi



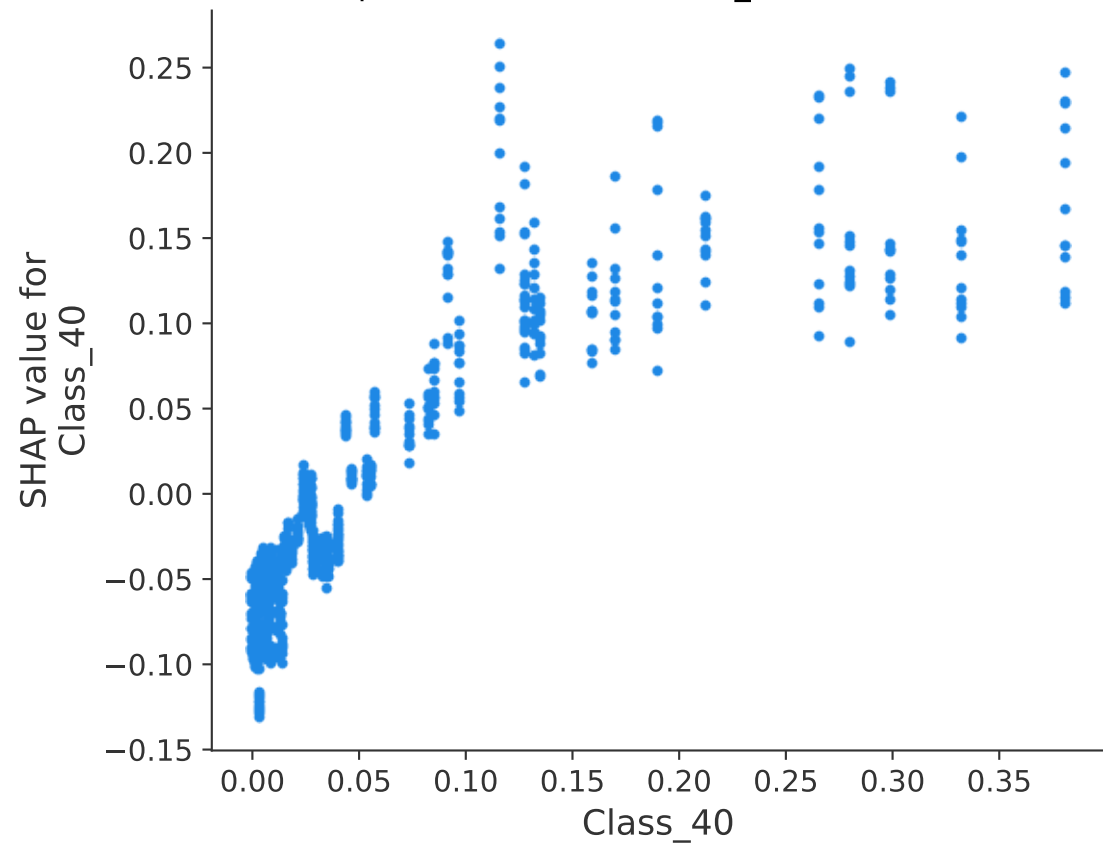
SHAP Dependence Plot for Class_50, Class 2 - Sulawesi



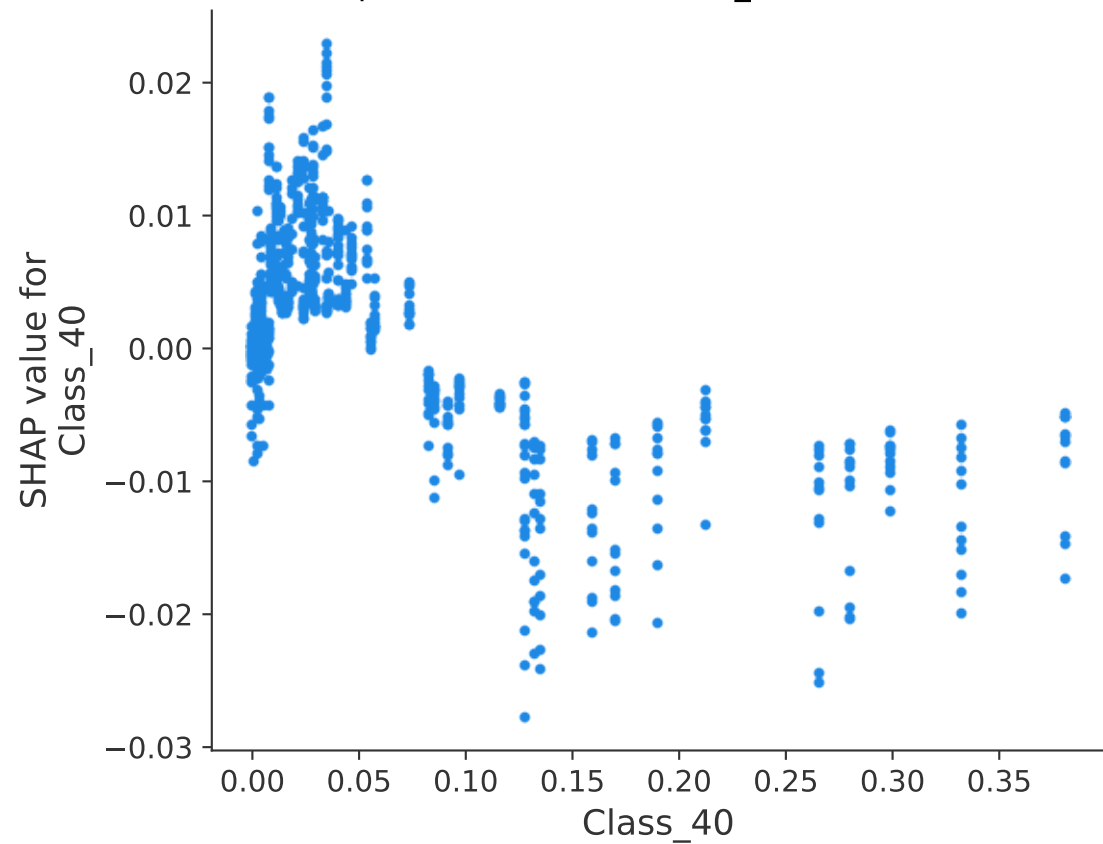
SHAP Dependence Plot for Class_40, Class 0 - Sulawesi



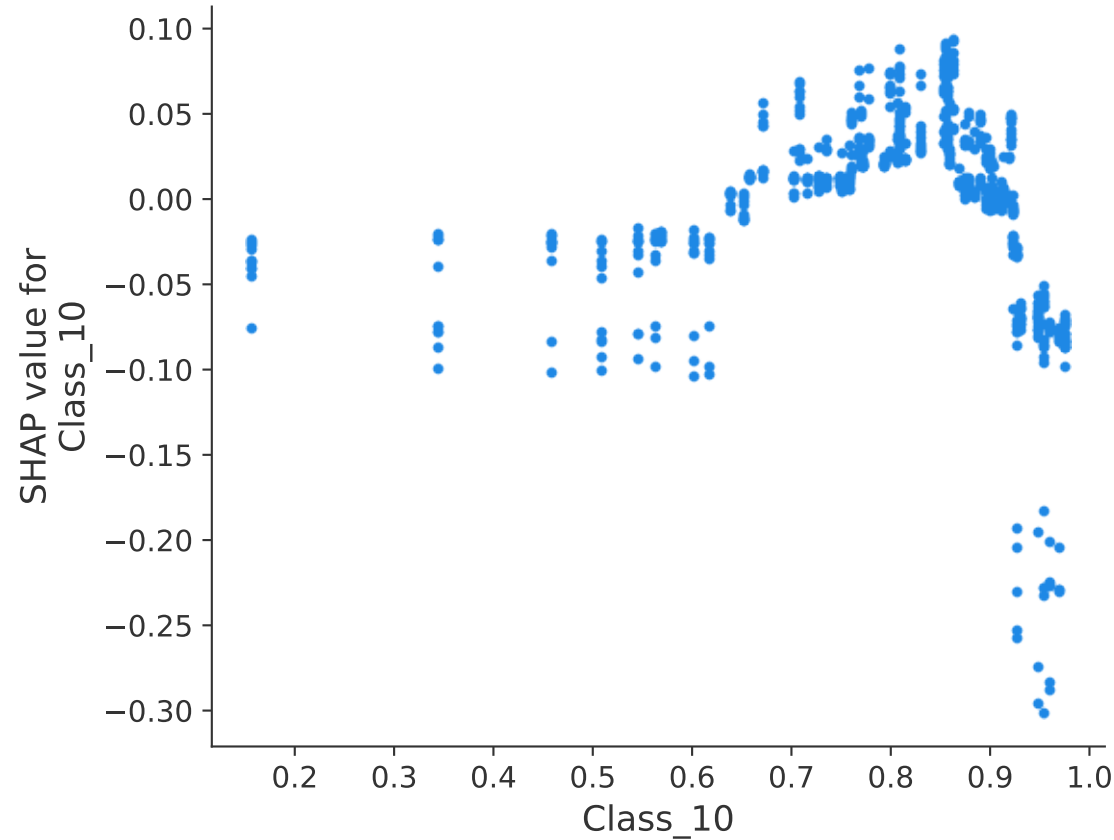
SHAP Dependence Plot for Class_40, Class 1 - Sulawesi



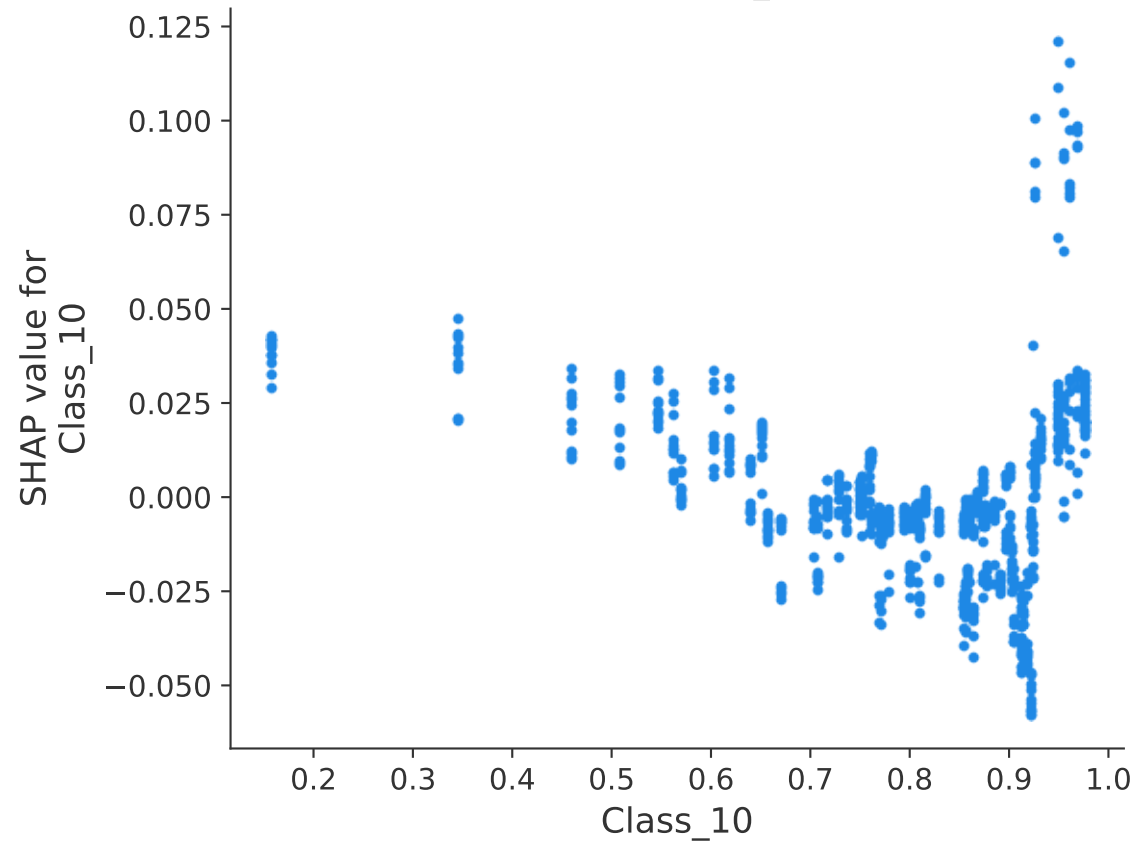
SHAP Dependence Plot for Class_40, Class 2 - Sulawesi



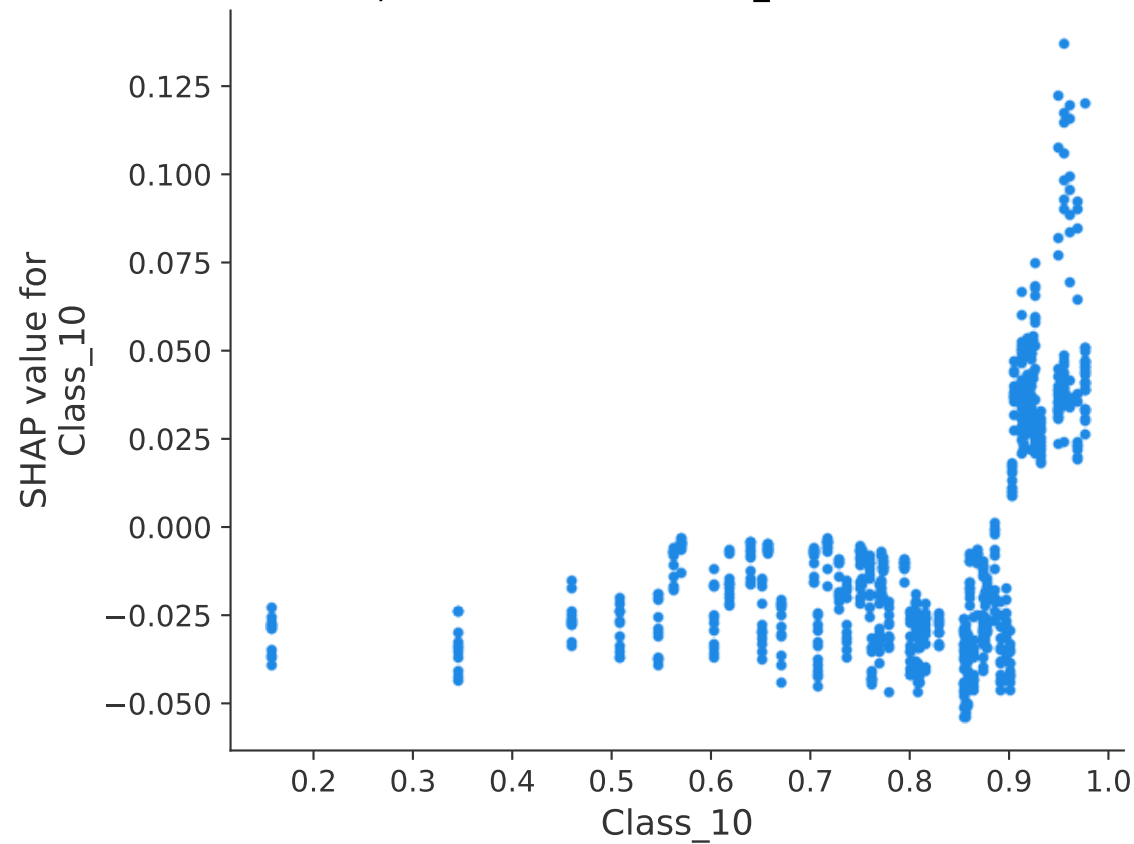
SHAP Dependence Plot for Class_10, Class 0 - Sulawesi



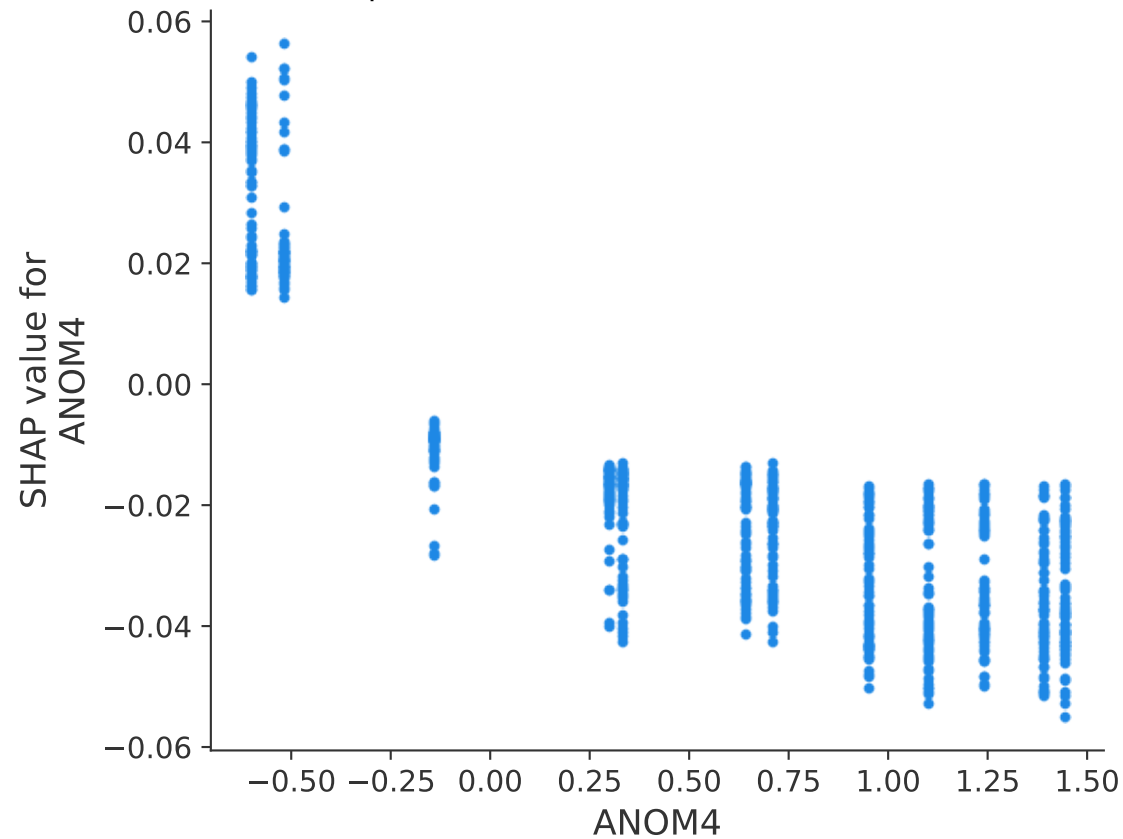
SHAP Dependence Plot for Class_10, Class 1 - Sulawesi



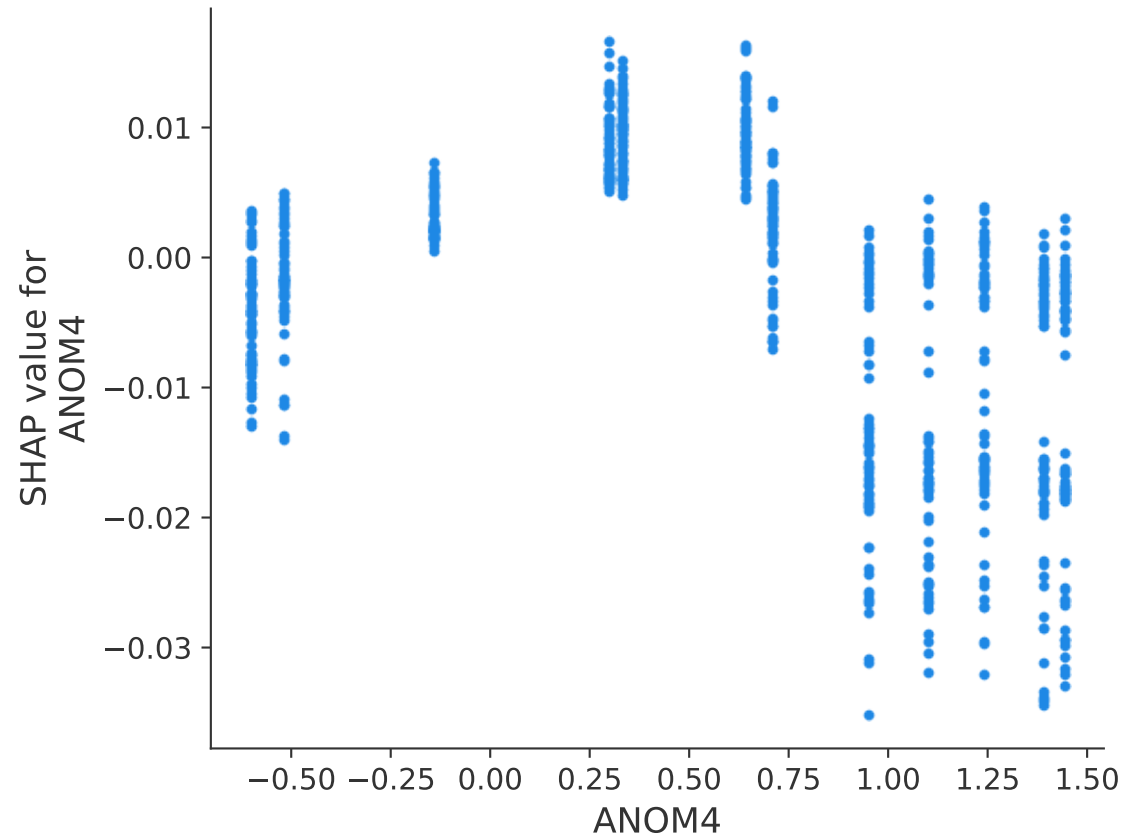
SHAP Dependence Plot for Class_10, Class 2 - Sulawesi



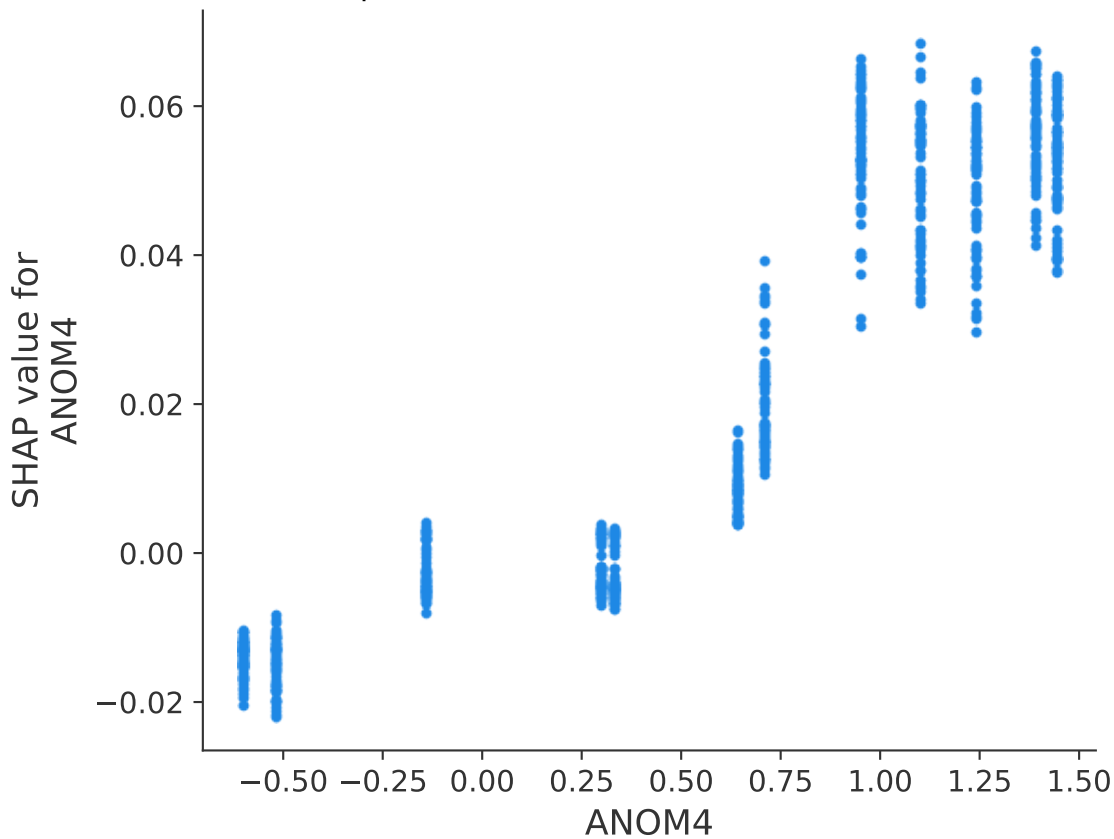
SHAP Dependence Plot for ANOM4, Class 0 - Sulawesi



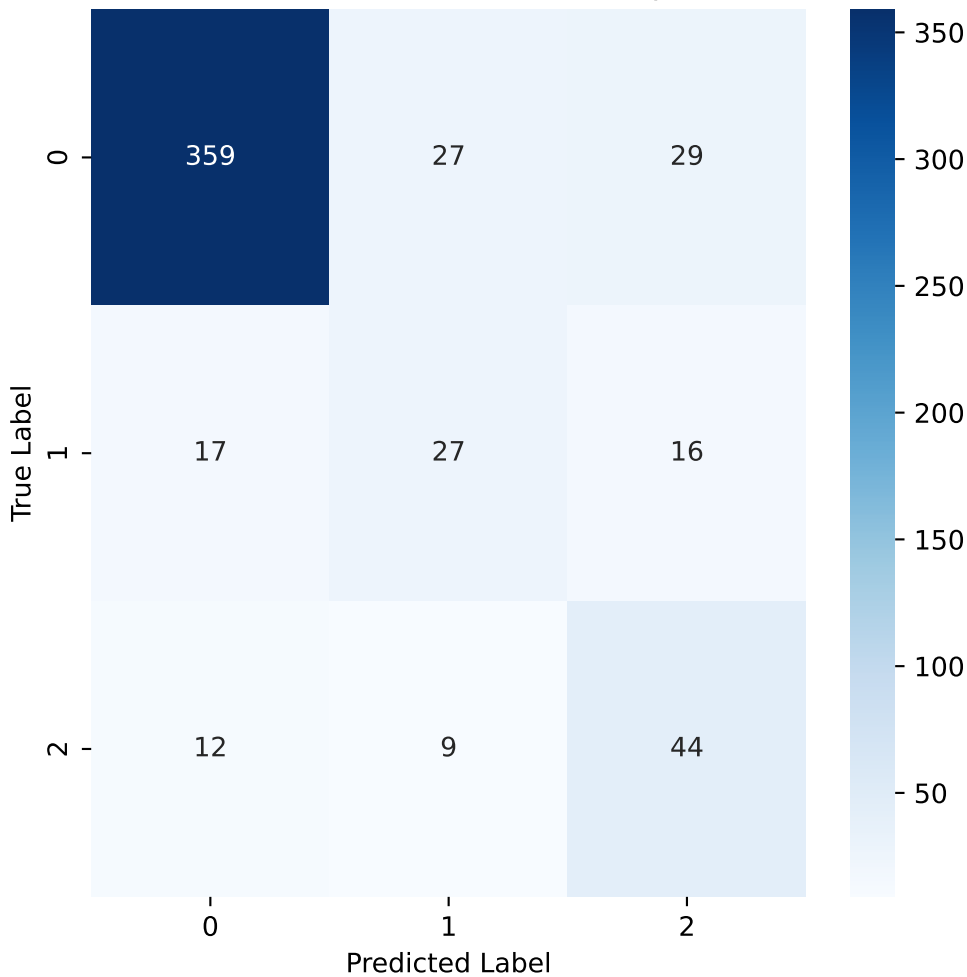
SHAP Dependence Plot for ANOM4, Class 1 - Sulawesi



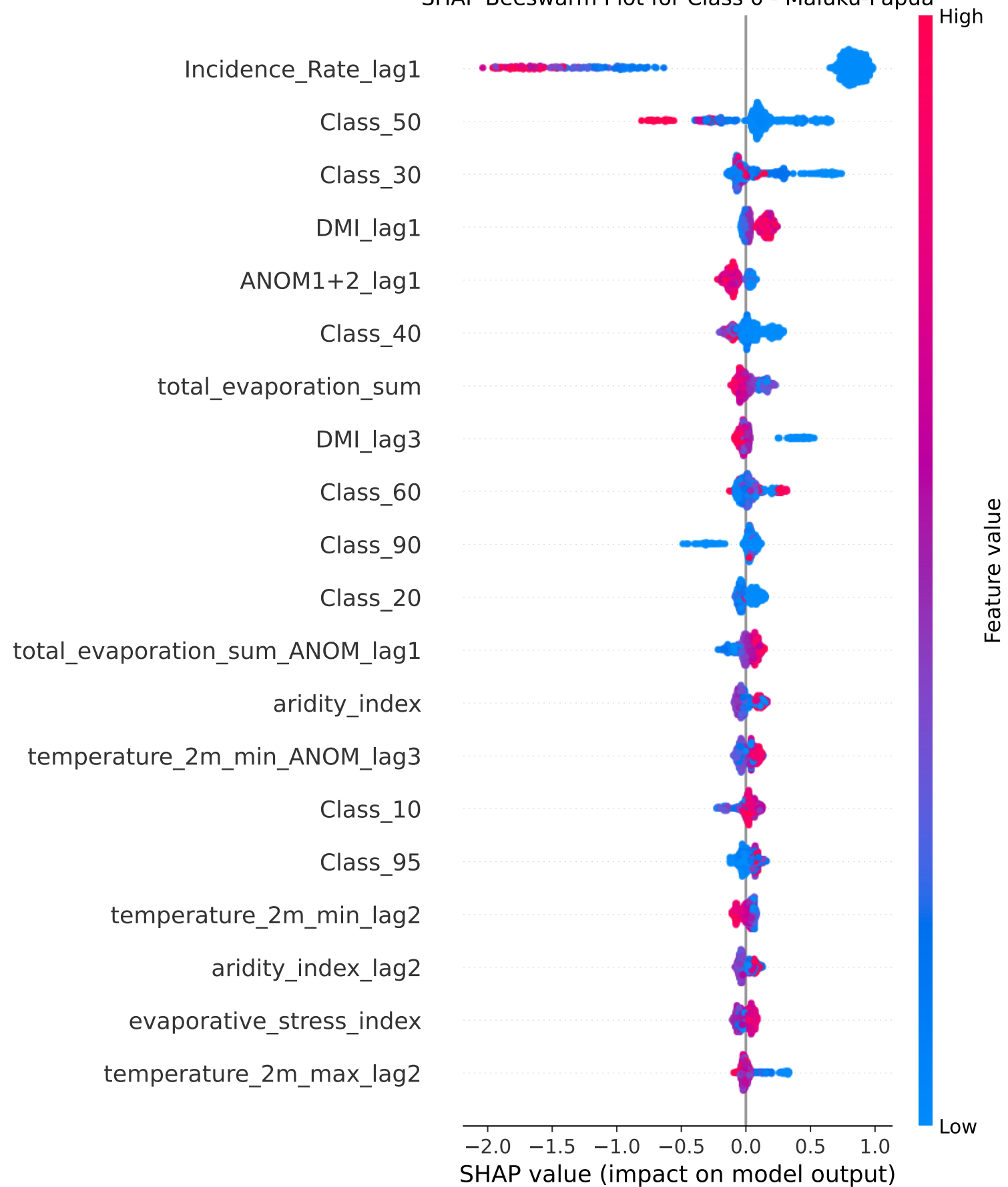
SHAP Dependence Plot for ANOM4, Class 2 - Sulawesi



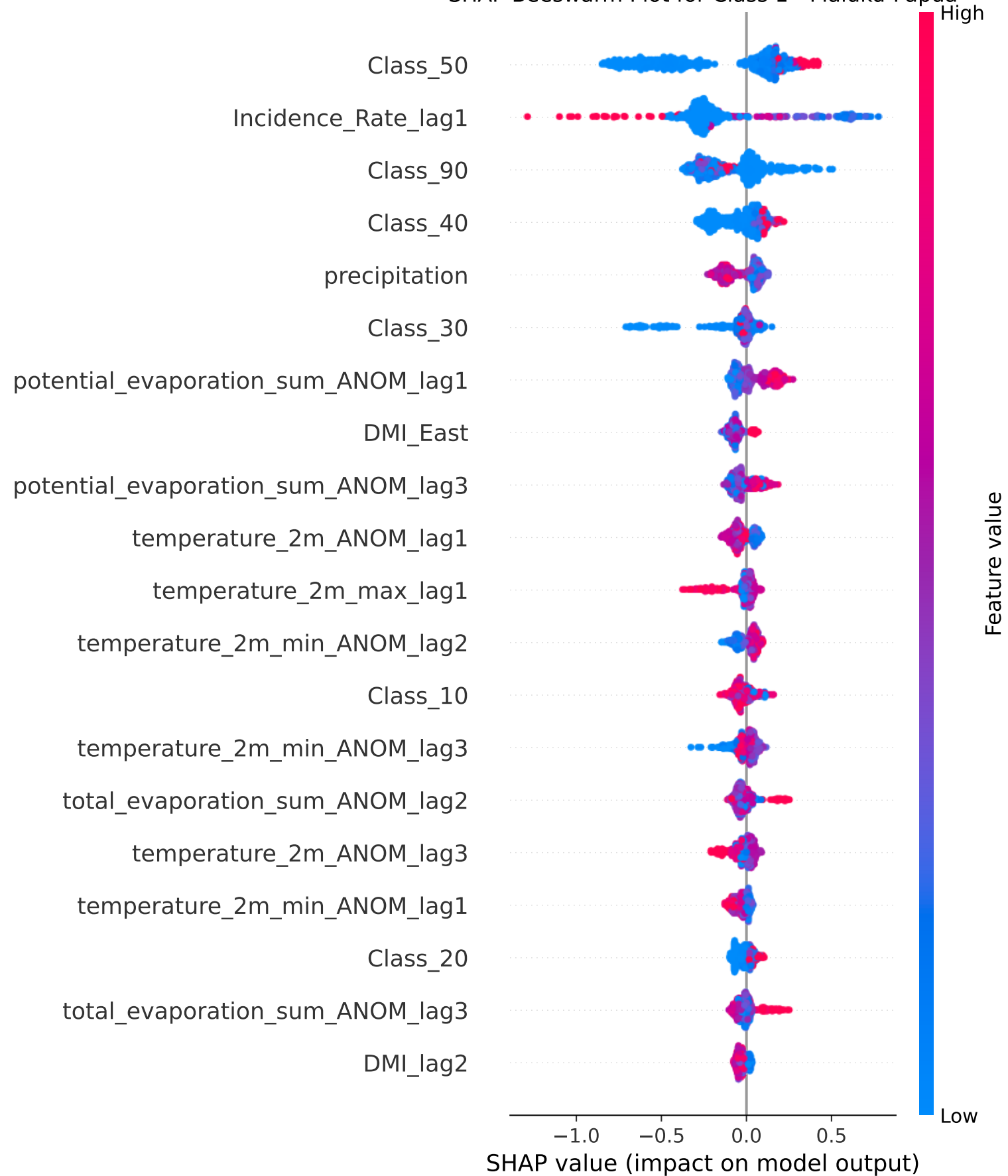
Confusion Matrix - Maluku-Papua



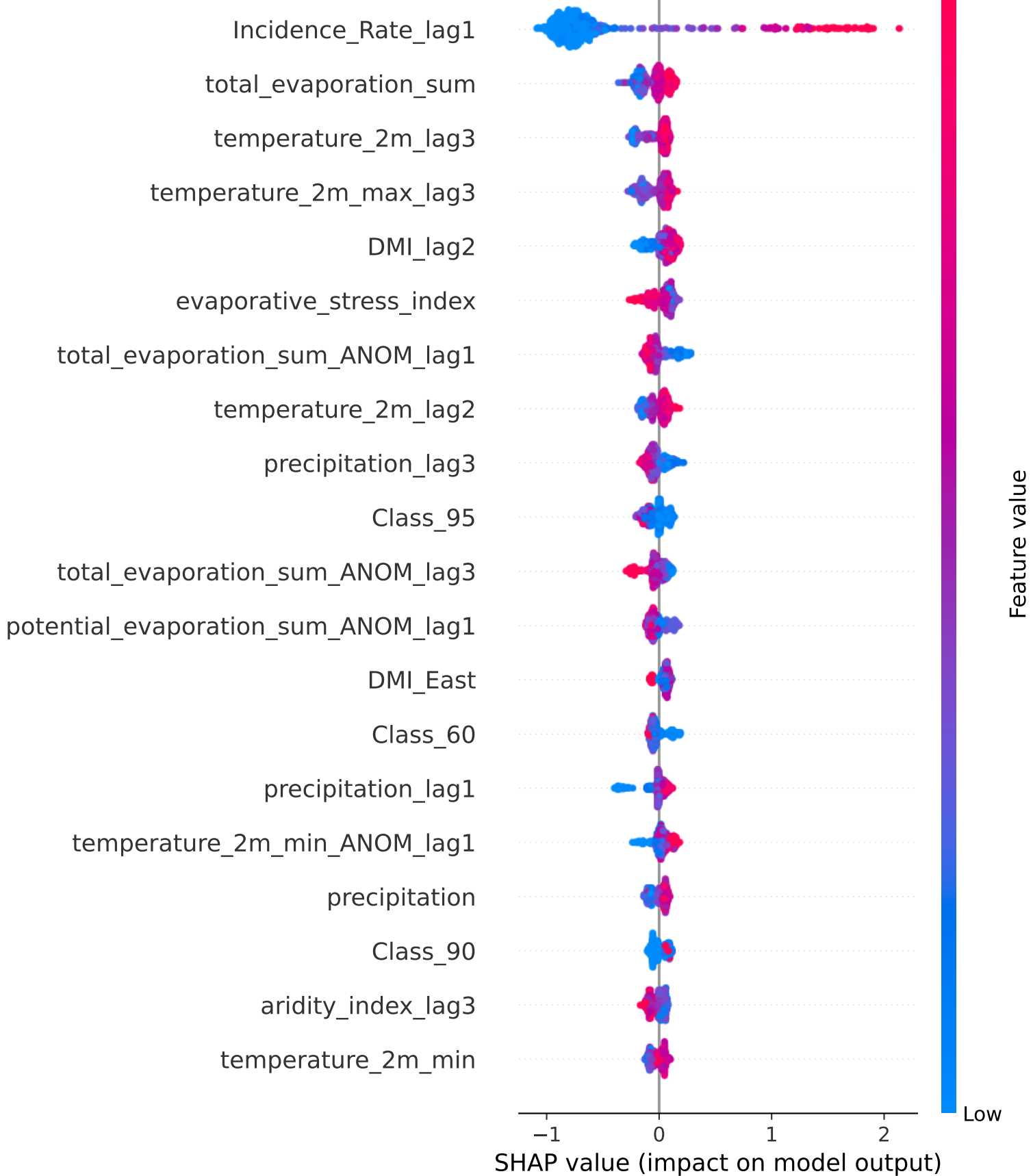
SHAP Beeswarm Plot for Class 0 - Maluku-Papua



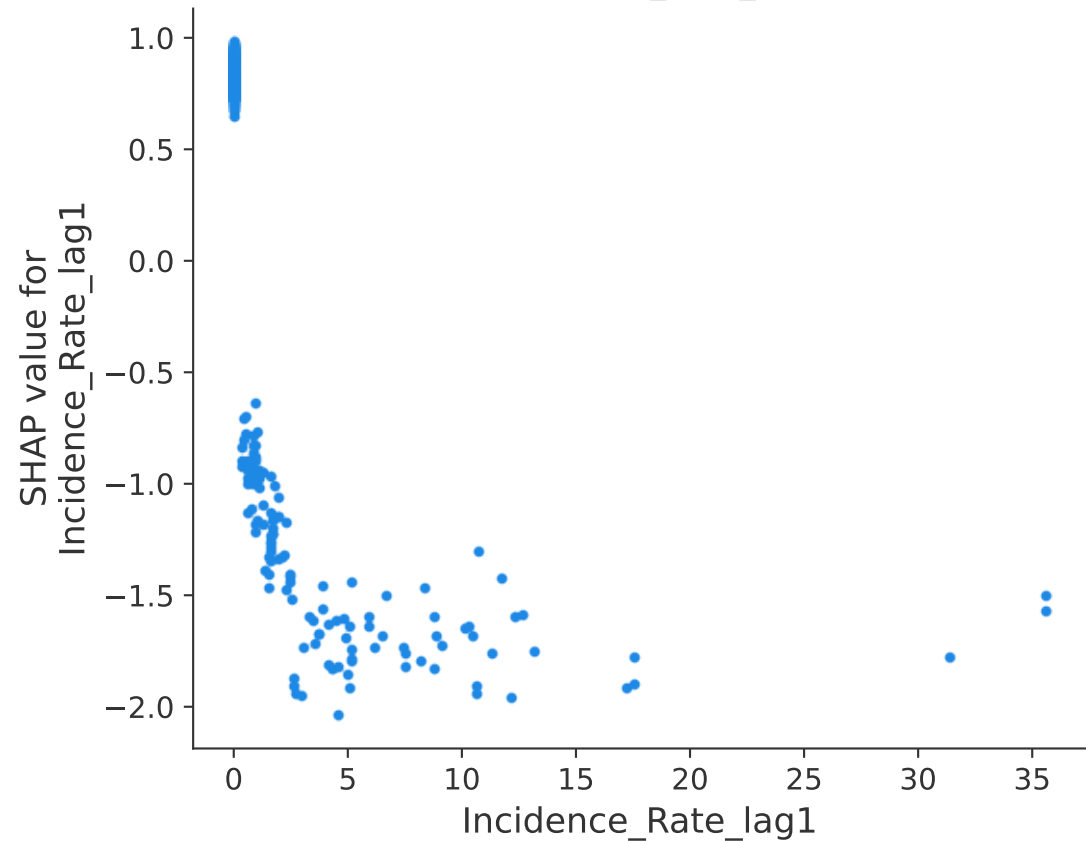
SHAP Beeswarm Plot for Class 1 - Maluku-Papua



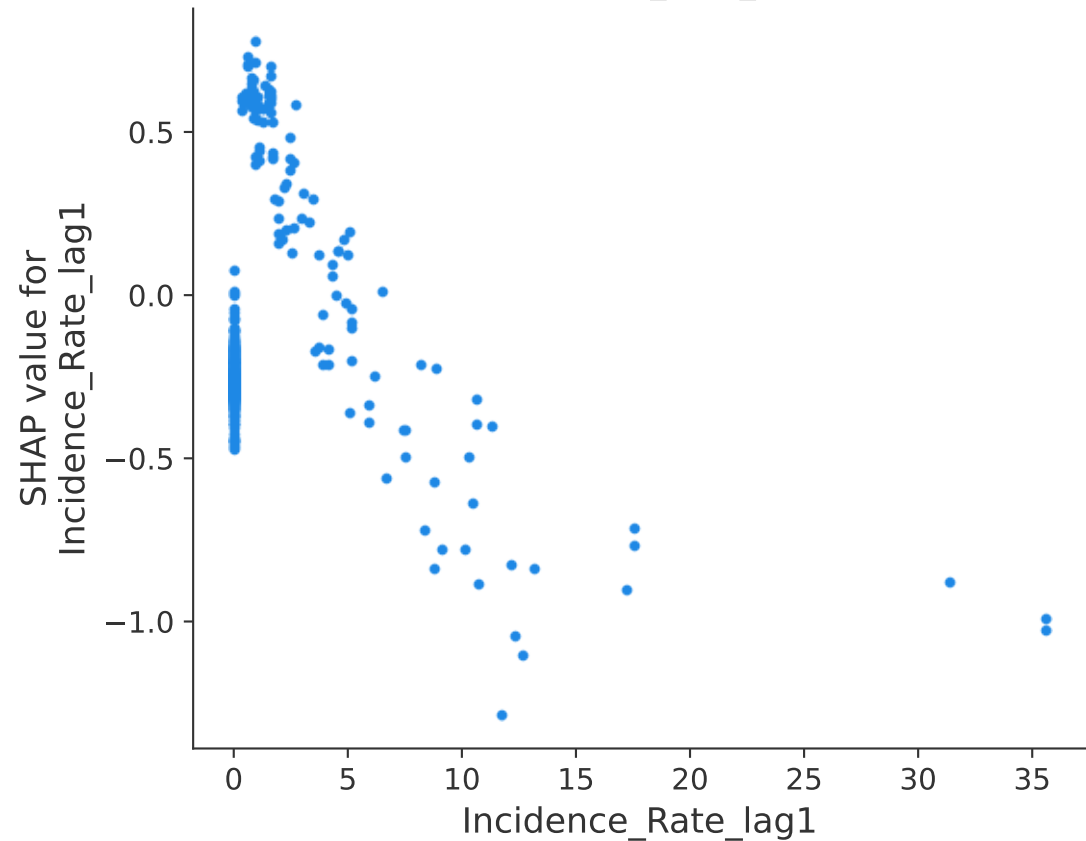
SHAP Beeswarm Plot for Class 2 - Maluku-Papua



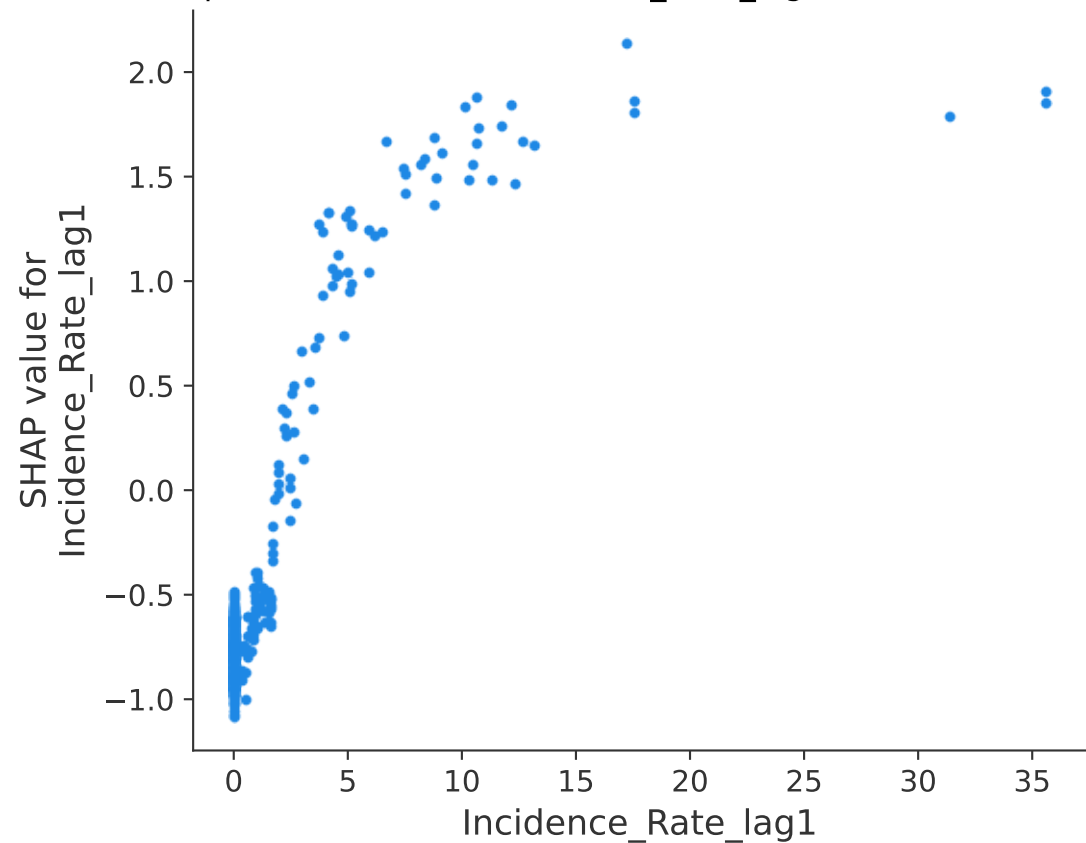
SHAP Dependence Plot for Incidence_Rate_lag1, Class 0 - Maluku-Papua



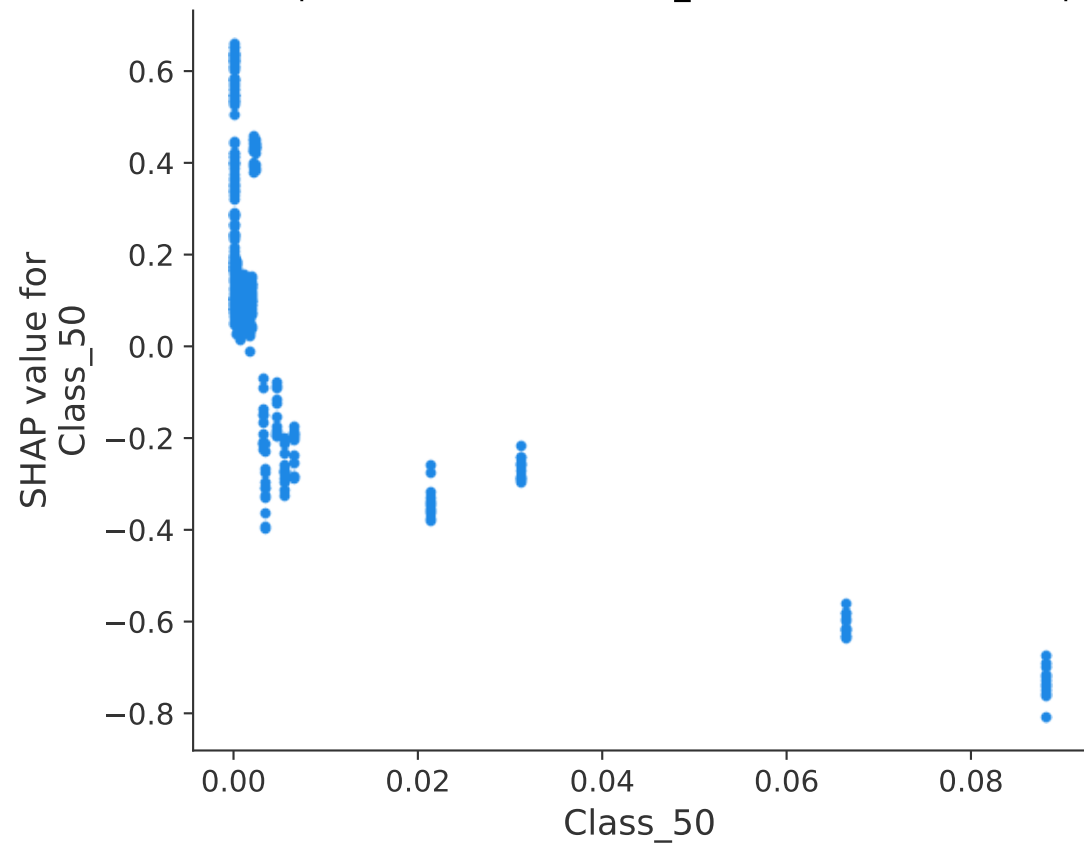
SHAP Dependence Plot for Incidence_Rate_lag1, Class 1 - Maluku-Papua



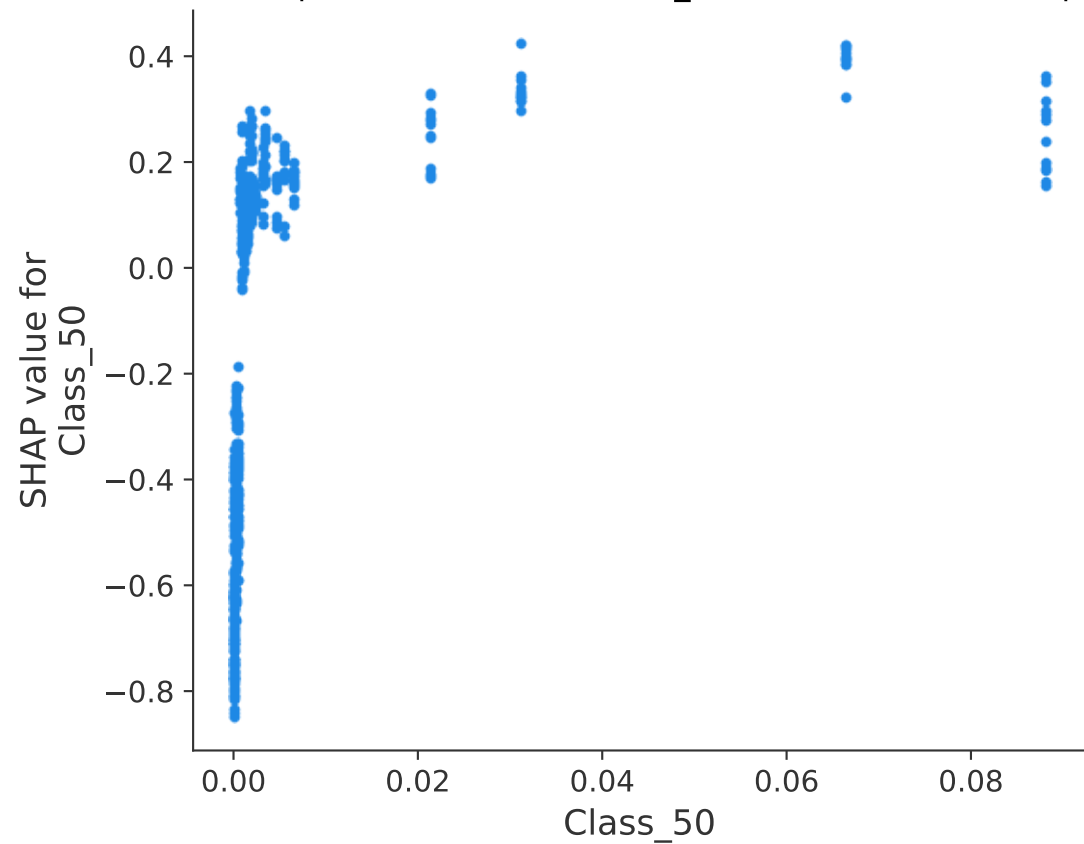
SHAP Dependence Plot for Incidence_Rate_lag1, Class 2 - Maluku-Papua



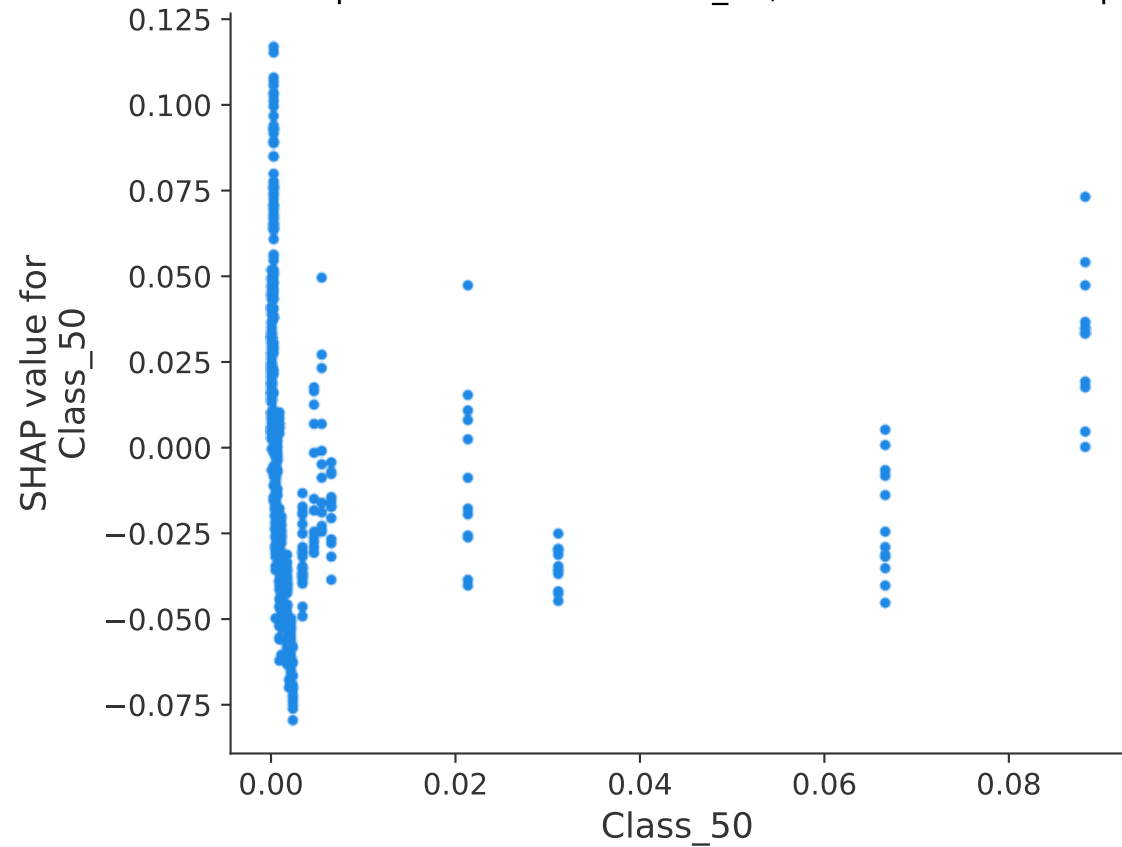
SHAP Dependence Plot for Class_50, Class 0 - Maluku-Papua



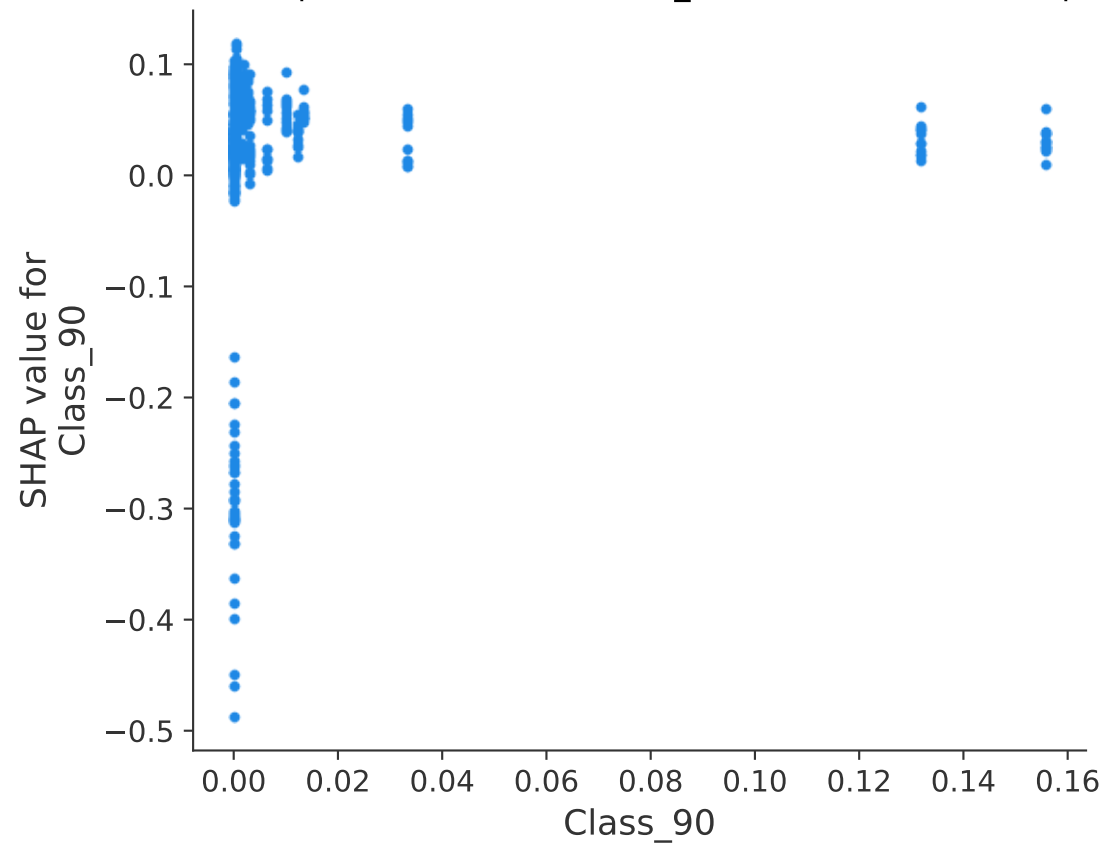
SHAP Dependence Plot for Class_50, Class 1 - Maluku-Papua



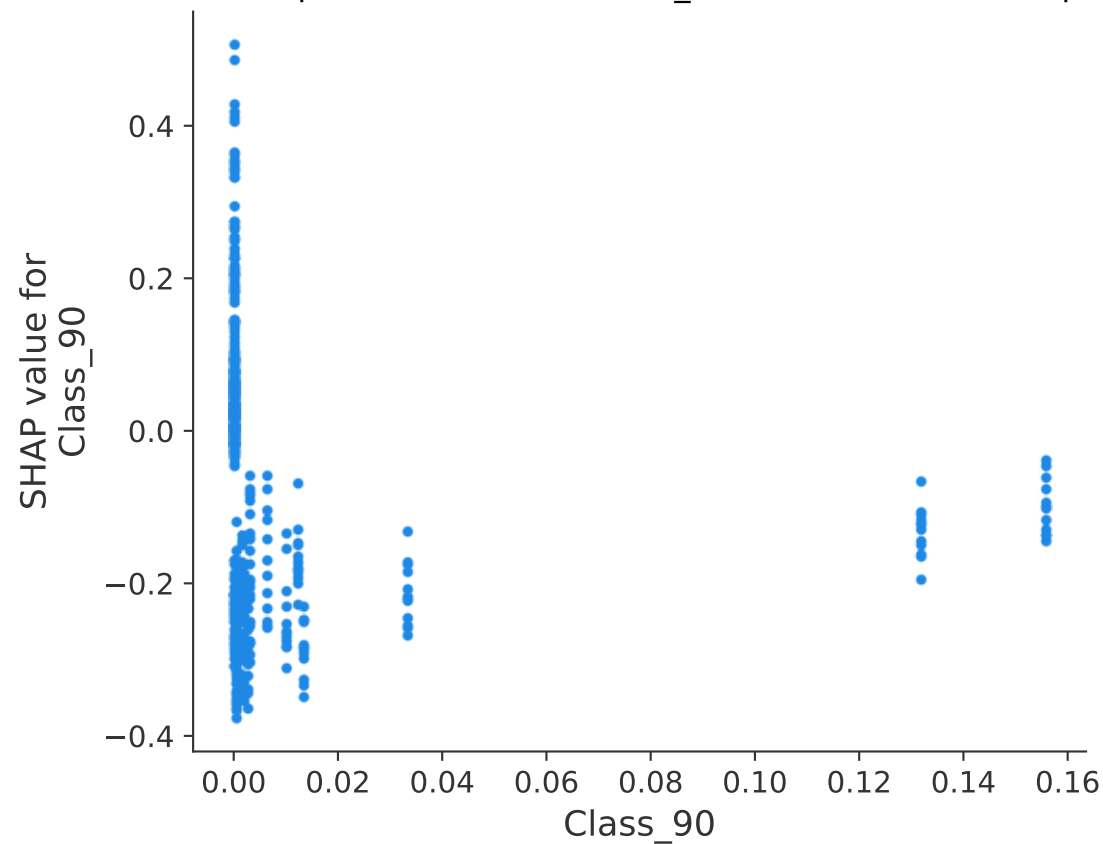
SHAP Dependence Plot for Class_50, Class 2 - Maluku-Papua



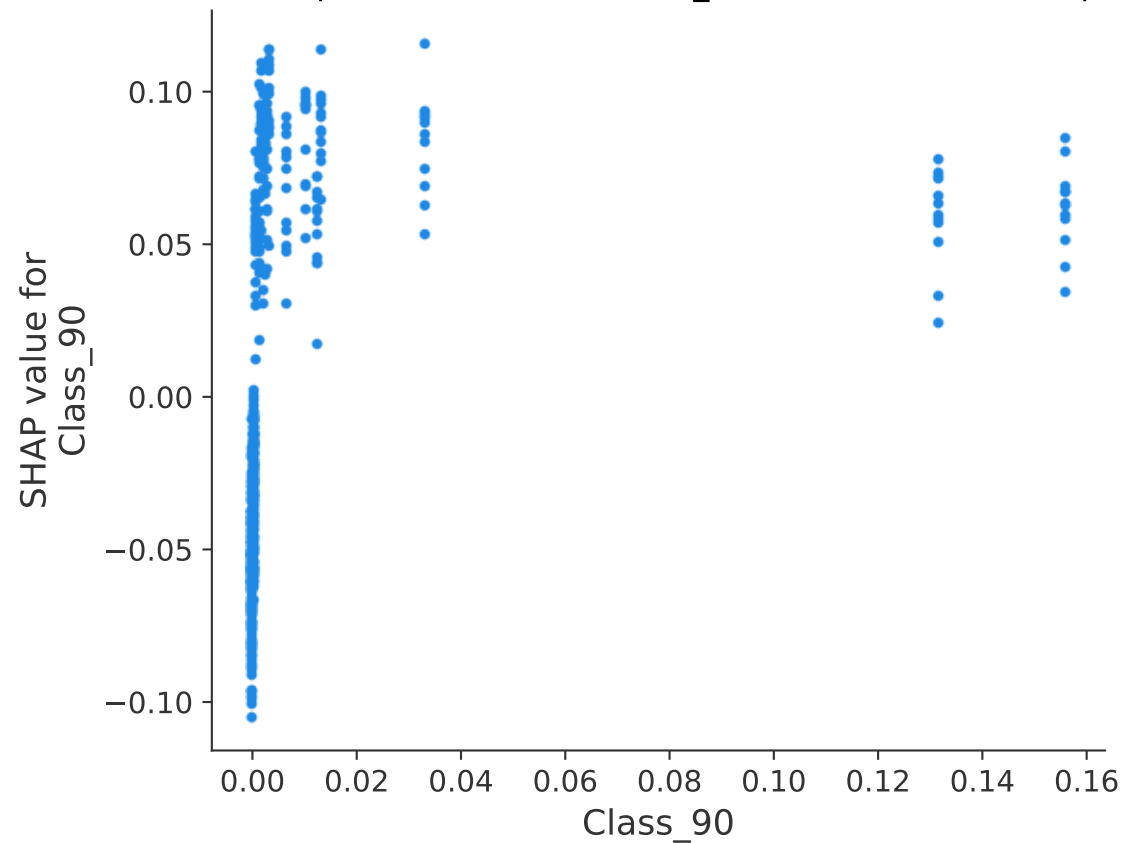
SHAP Dependence Plot for Class_90, Class 0 - Maluku-Papua



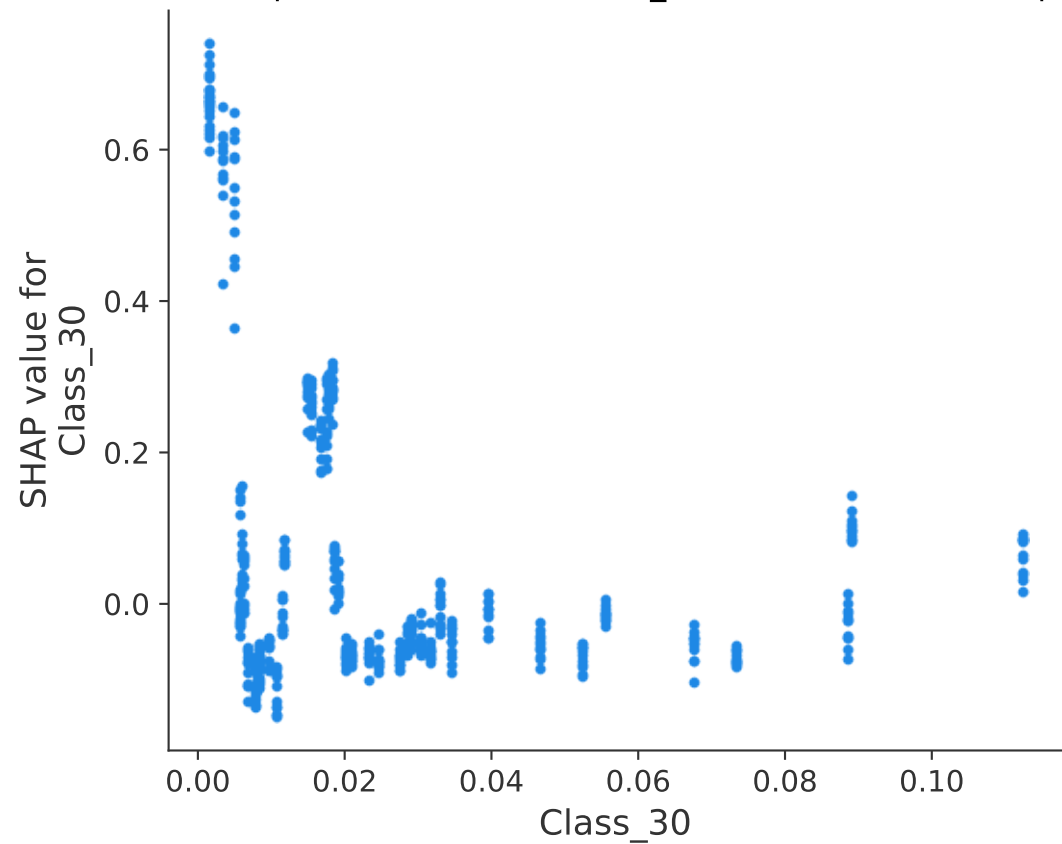
SHAP Dependence Plot for Class_90, Class 1 - Maluku-Papua



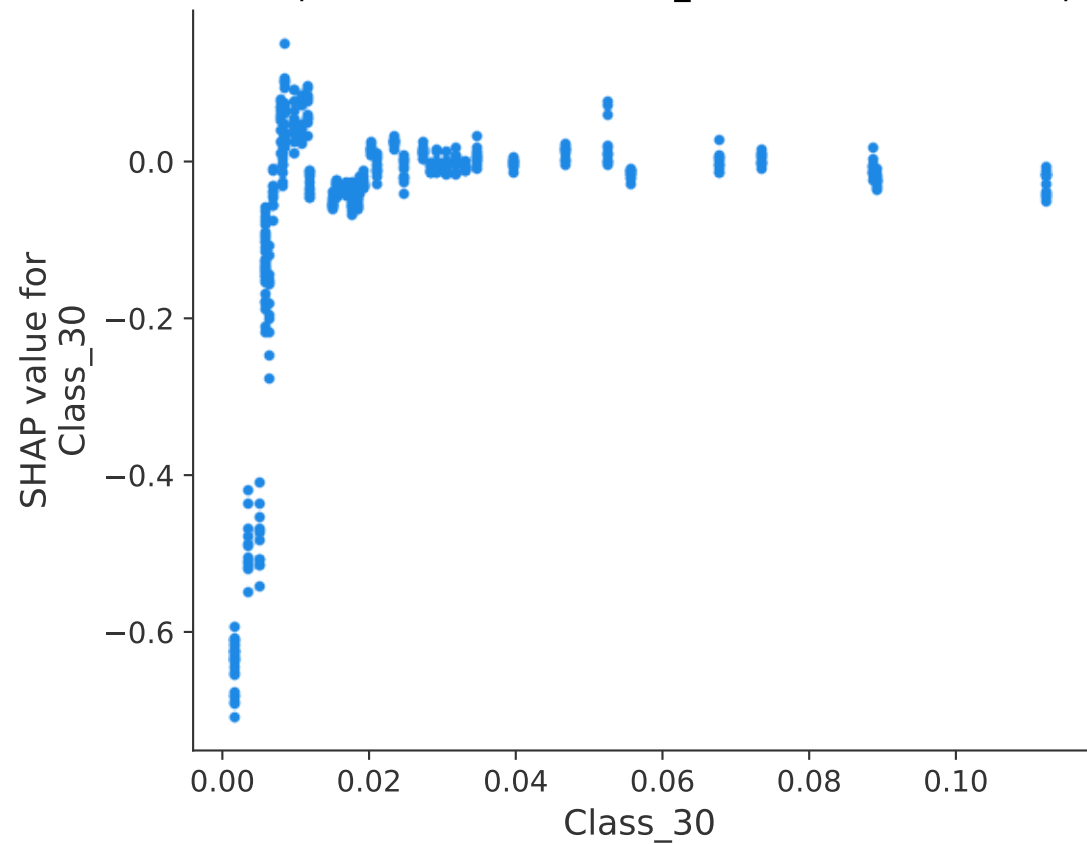
SHAP Dependence Plot for Class_90, Class 2 - Maluku-Papua



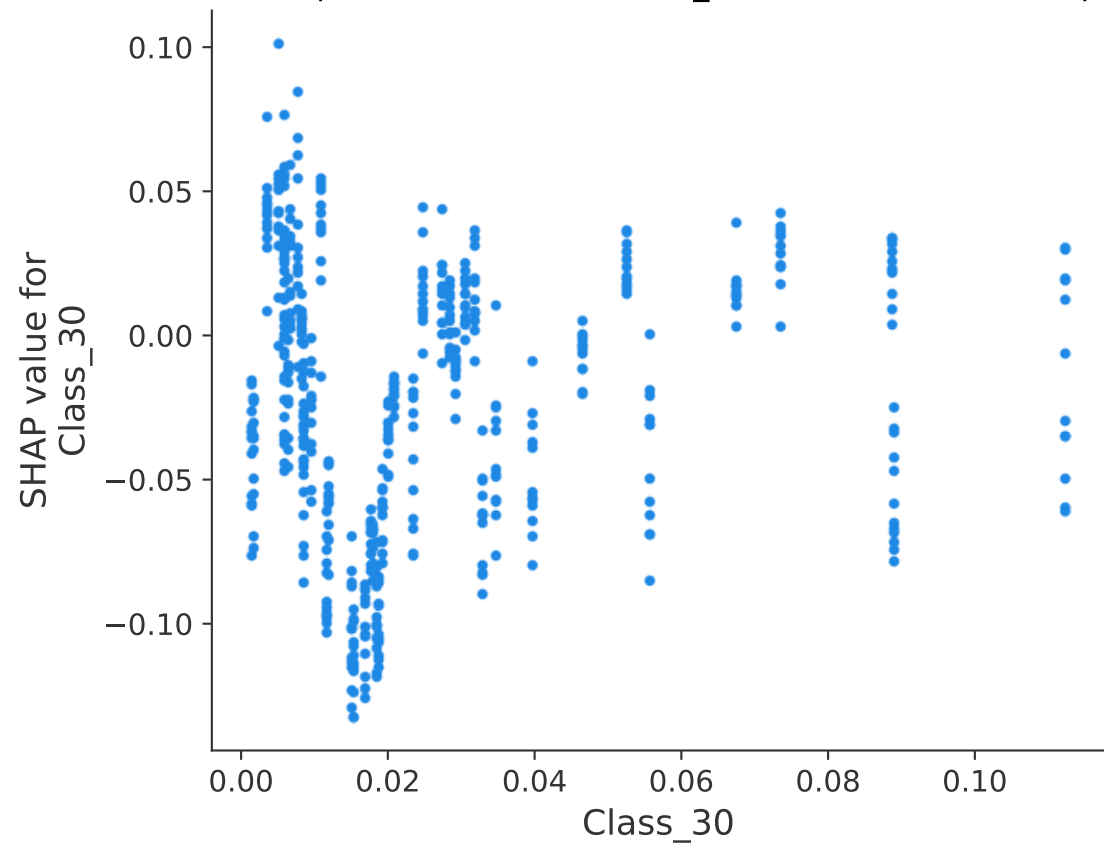
SHAP Dependence Plot for Class_30, Class 0 - Maluku-Papua



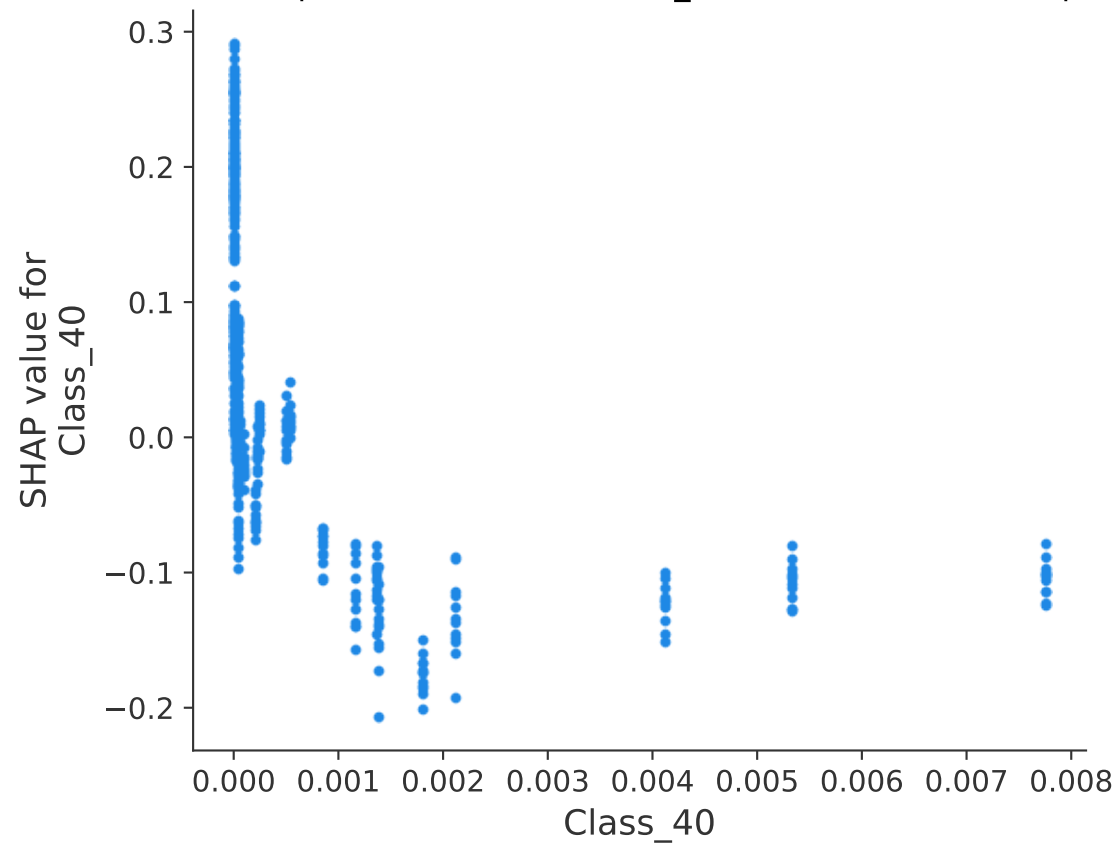
SHAP Dependence Plot for Class_30, Class 1 - Maluku-Papua



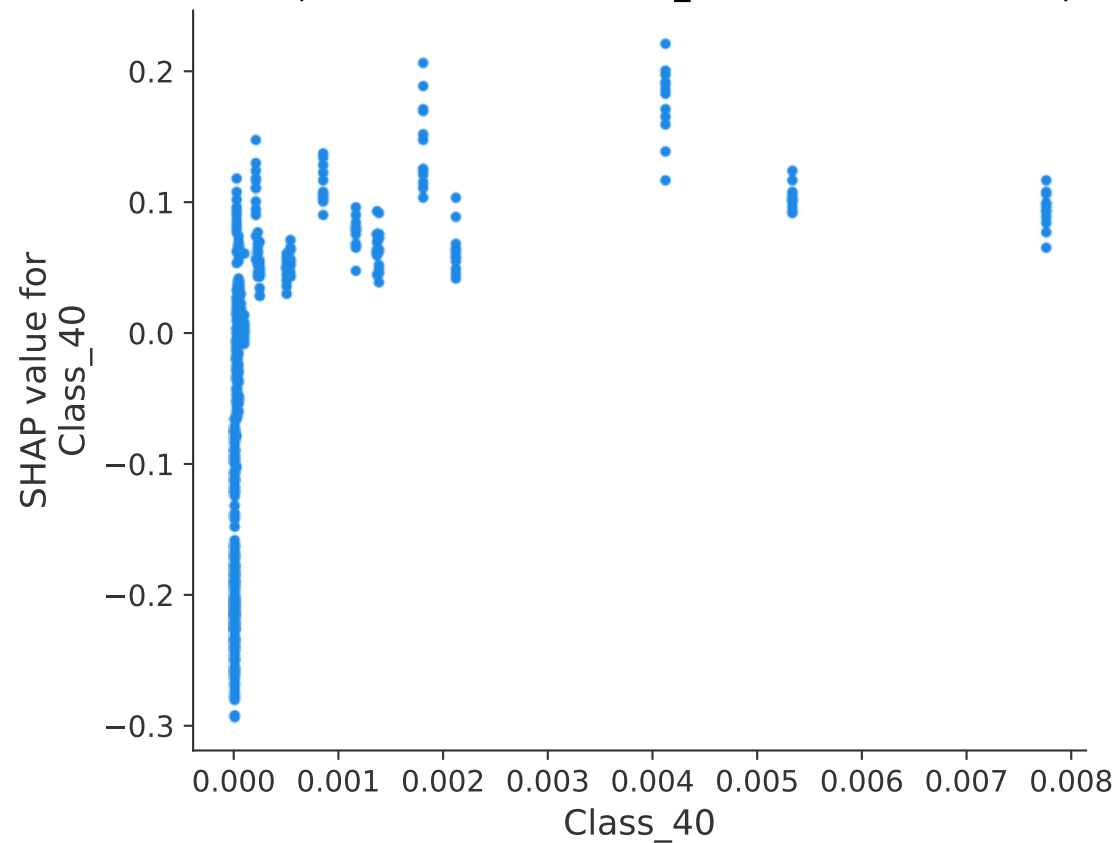
SHAP Dependence Plot for Class_30, Class 2 - Maluku-Papua



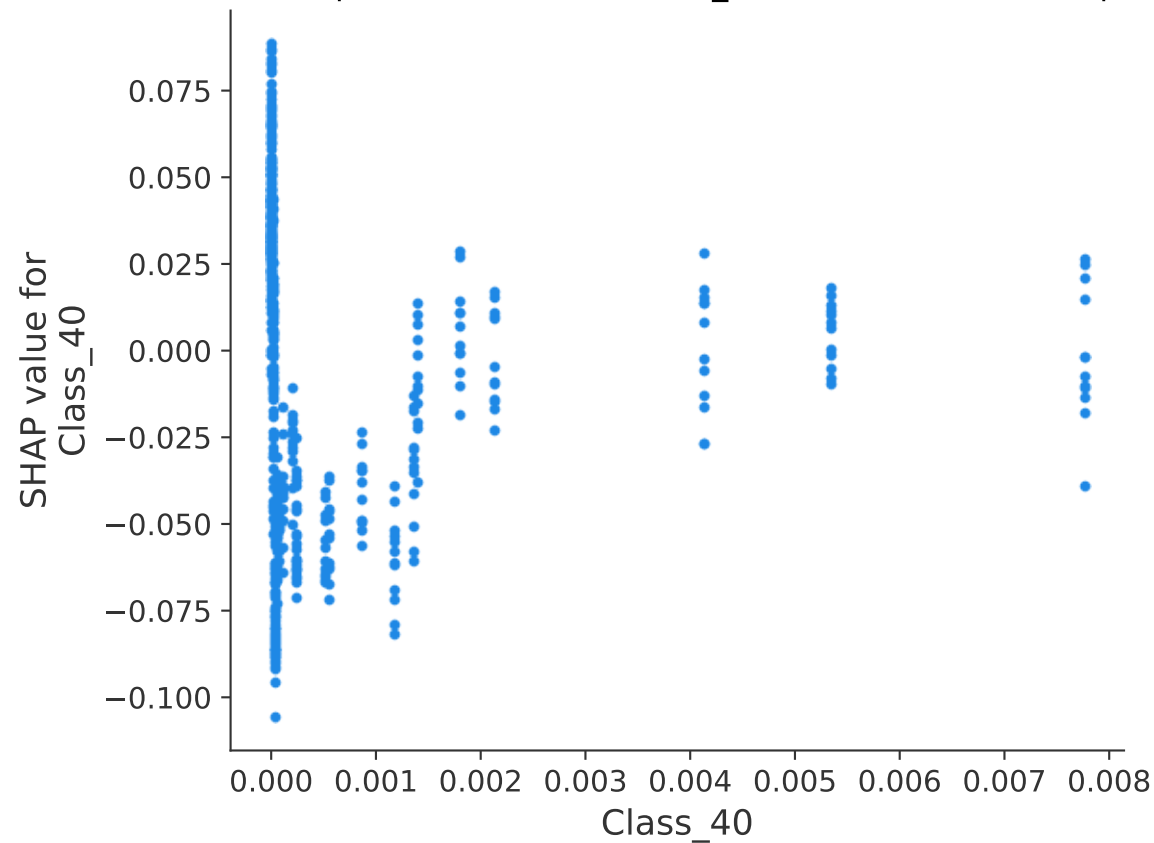
SHAP Dependence Plot for Class_40, Class 0 - Maluku-Papua



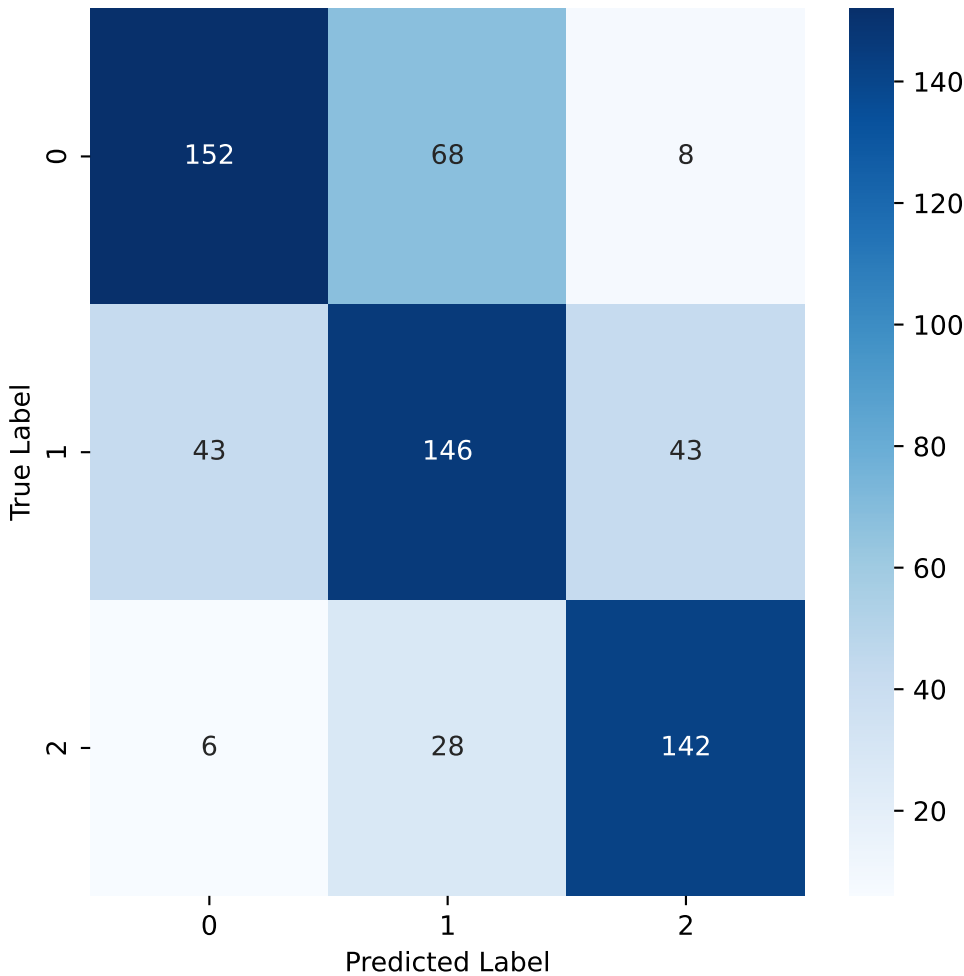
SHAP Dependence Plot for Class_40, Class 1 - Maluku-Papua



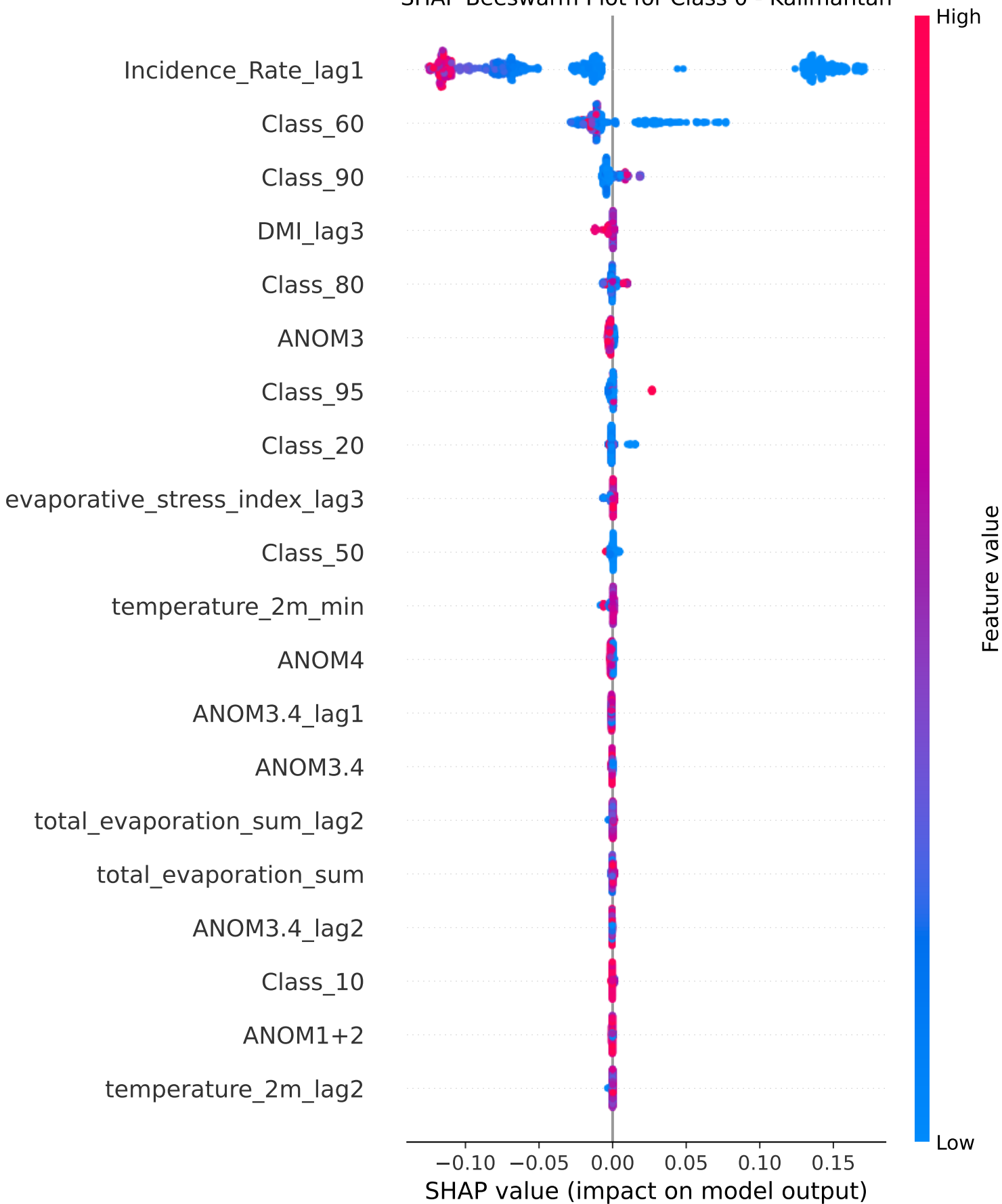
SHAP Dependence Plot for Class_40, Class 2 - Maluku-Papua



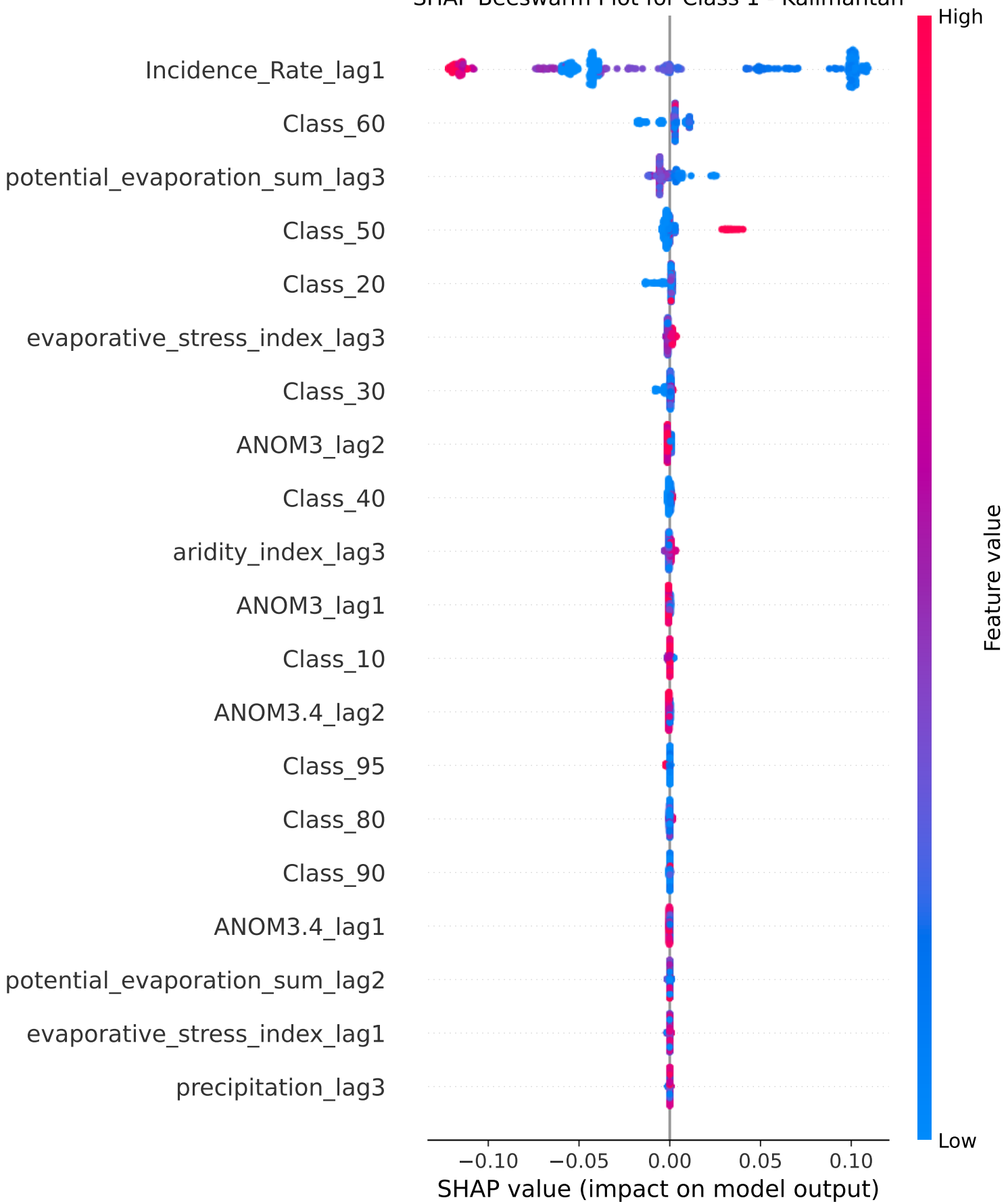
Confusion Matrix - Kalimantan



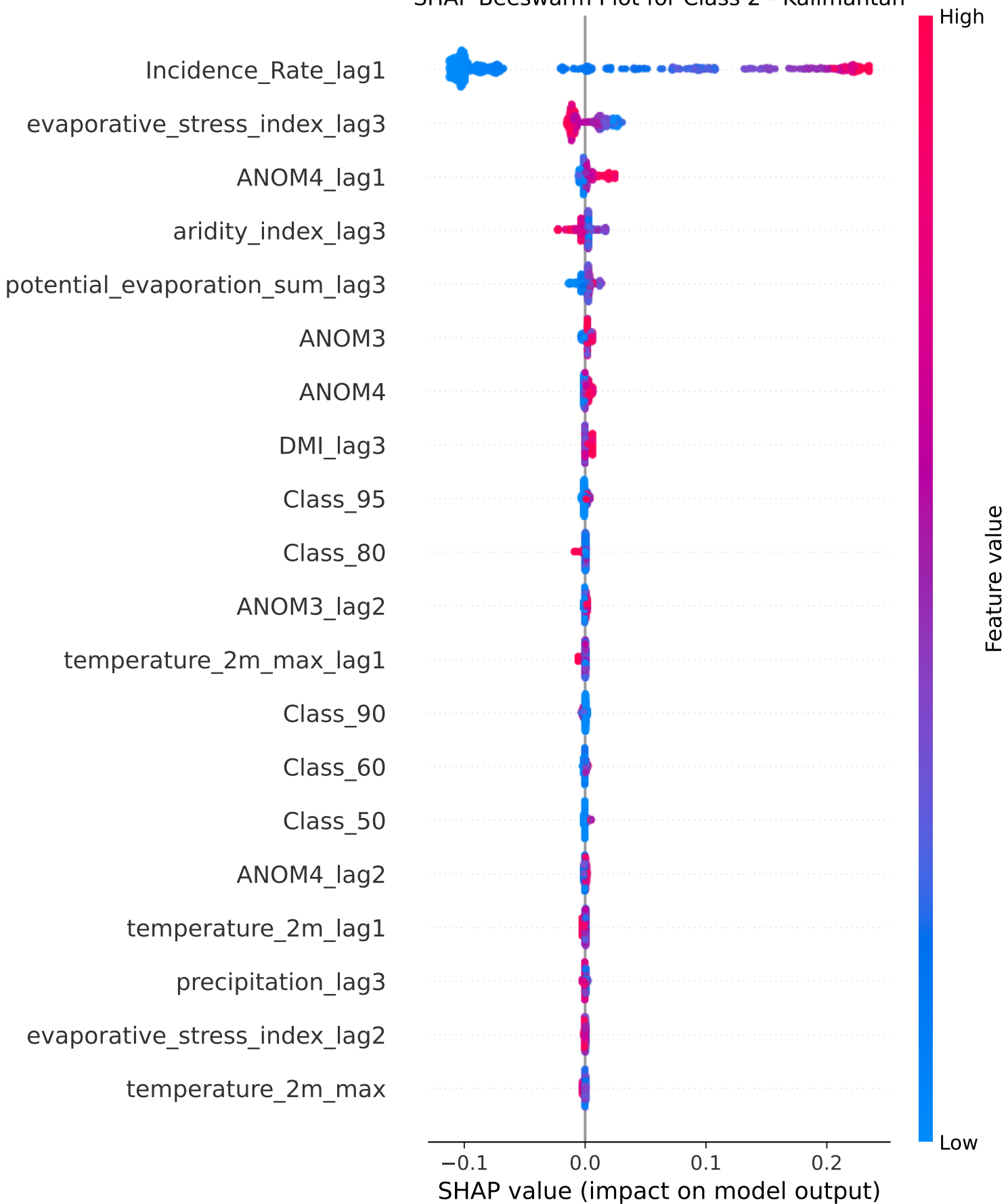
SHAP Beeswarm Plot for Class 0 - Kalimantan



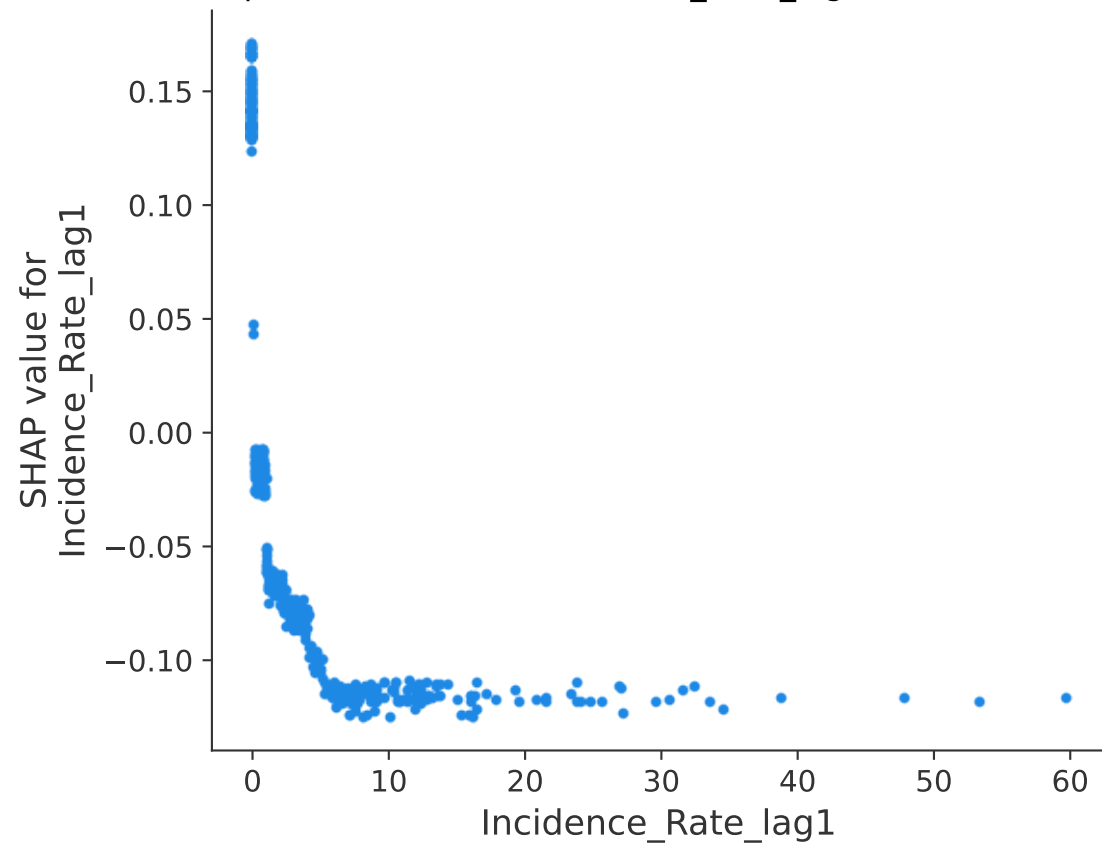
SHAP Beeswarm Plot for Class 1 - Kalimantan



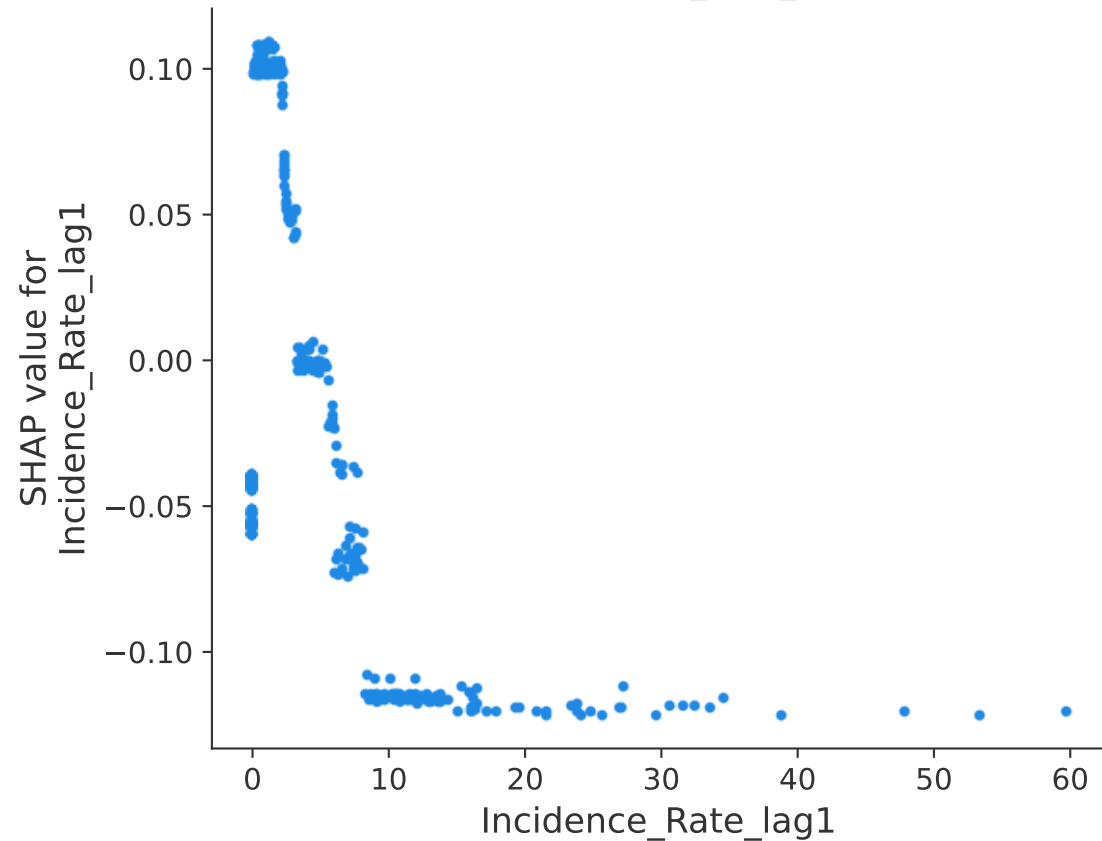
SHAP Beeswarm Plot for Class 2 - Kalimantan



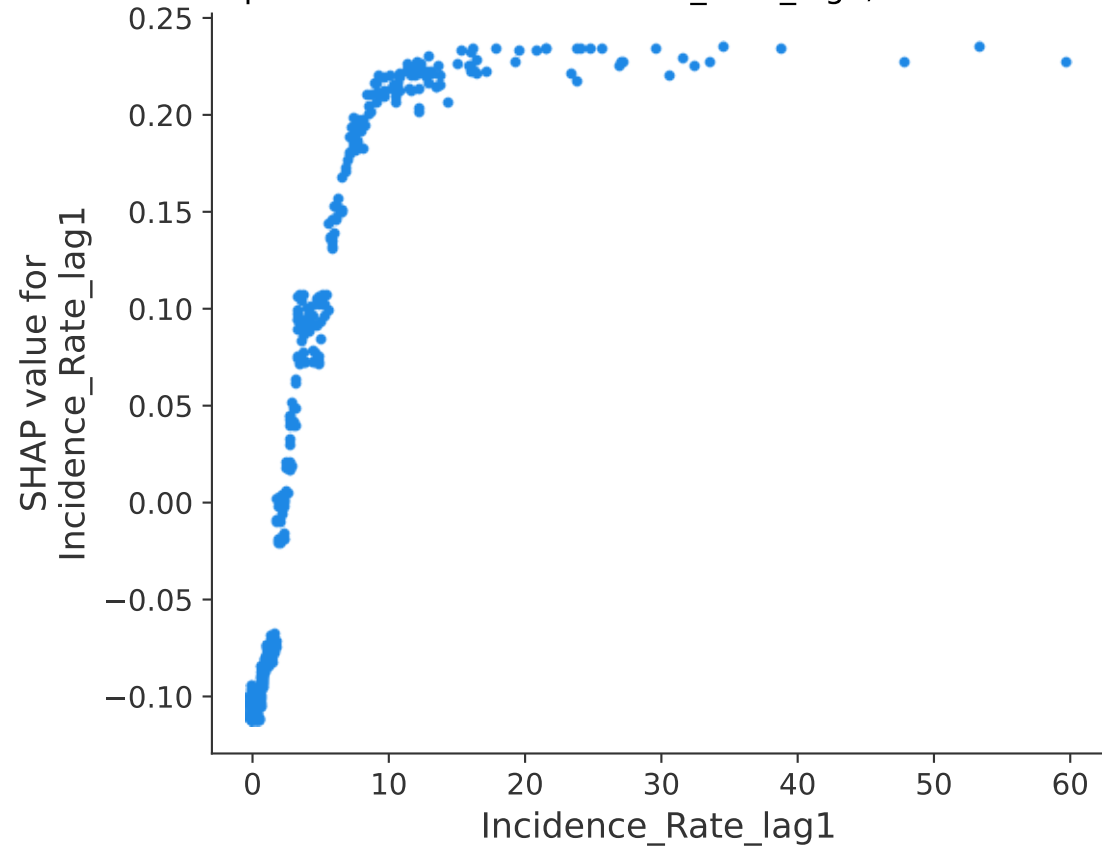
SHAP Dependence Plot for Incidence_Rate_lag1, Class 0 - Kalimantan



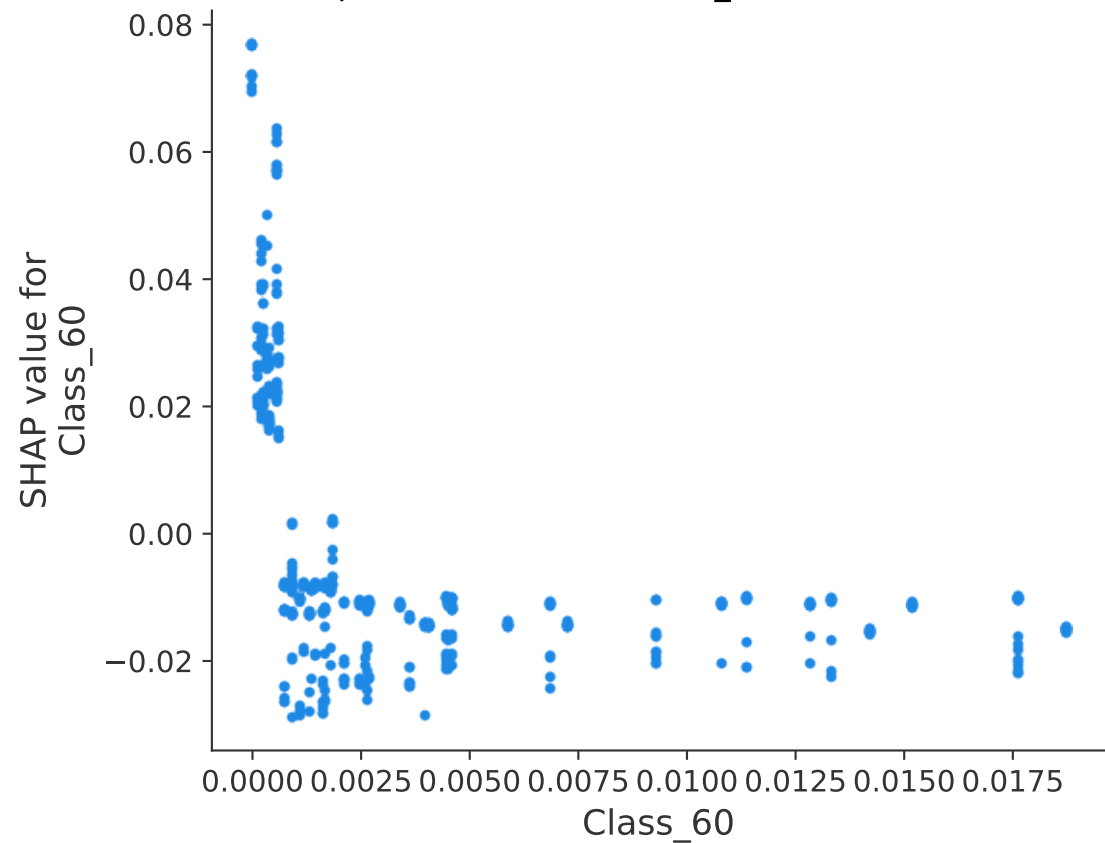
SHAP Dependence Plot for Incidence_Rate_lag1, Class 1 - Kalimantan



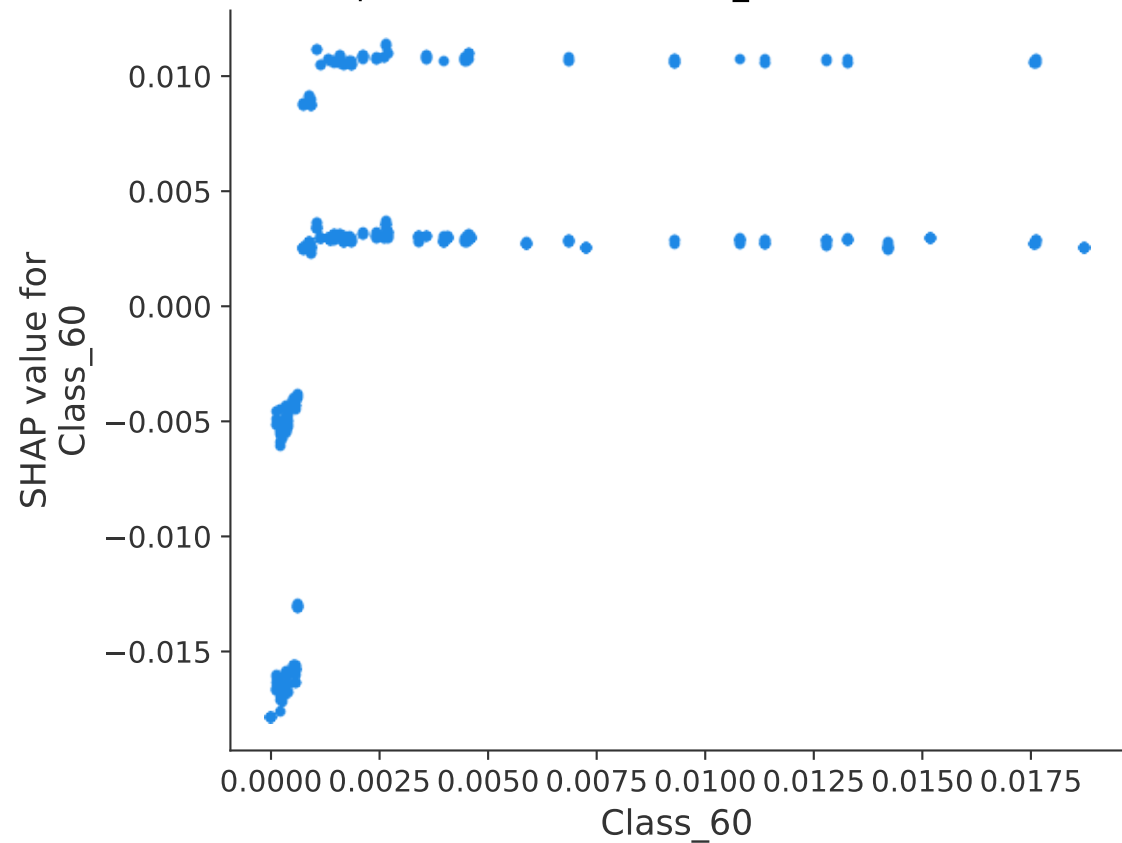
SHAP Dependence Plot for Incidence_Rate_lag1, Class 2 - Kalimantan



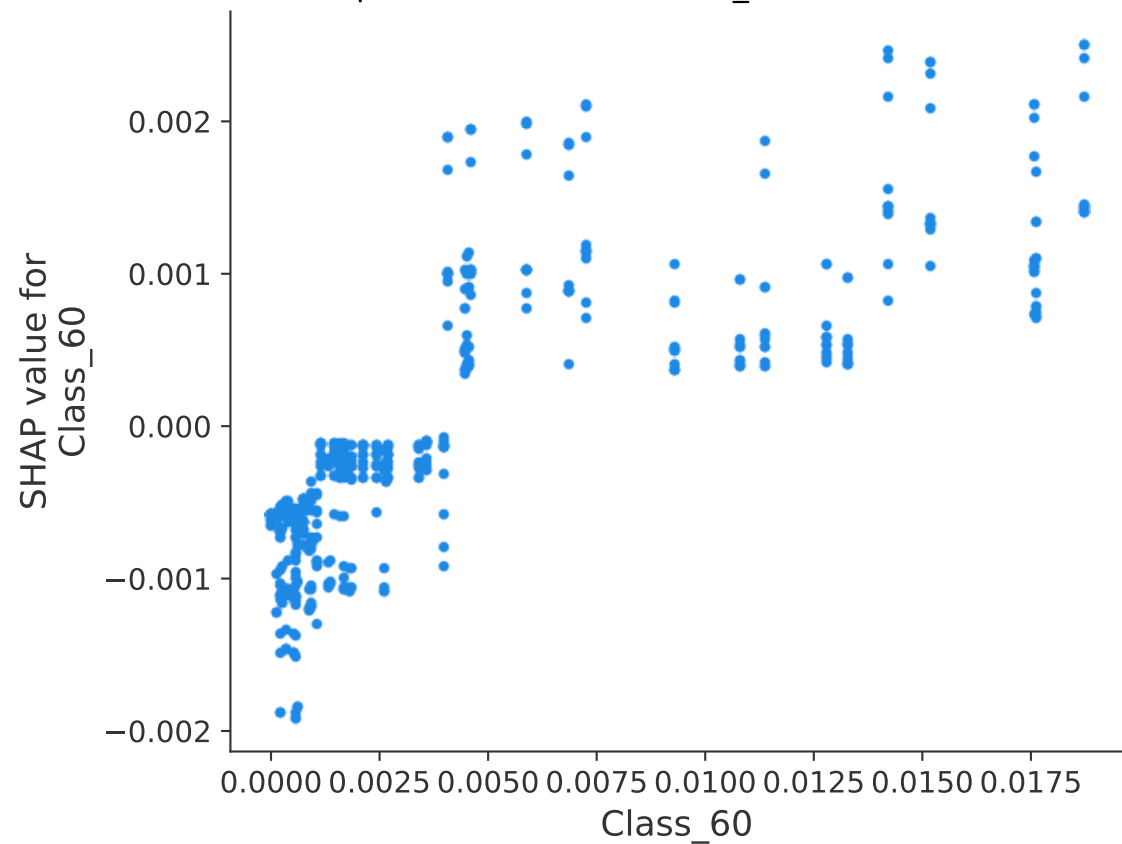
SHAP Dependence Plot for Class_60, Class 0 - Kalimantan



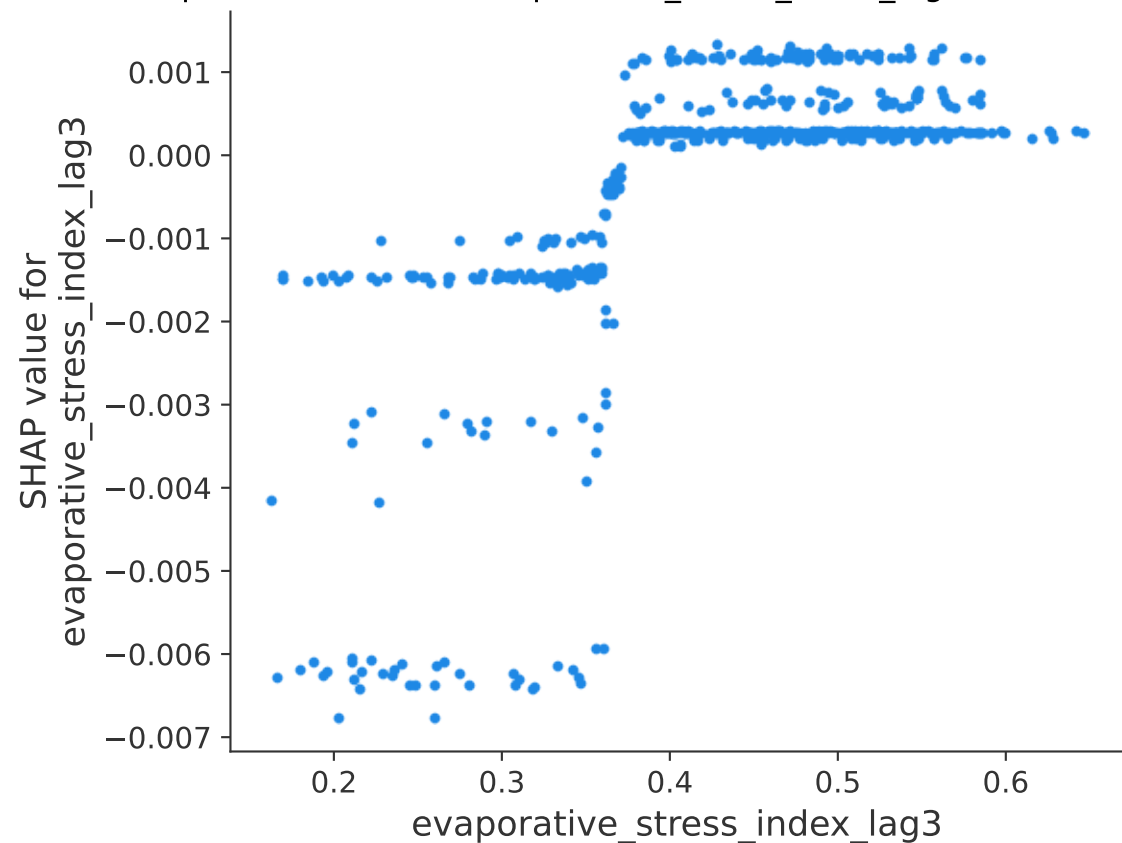
SHAP Dependence Plot for Class_60, Class 1 - Kalimantan



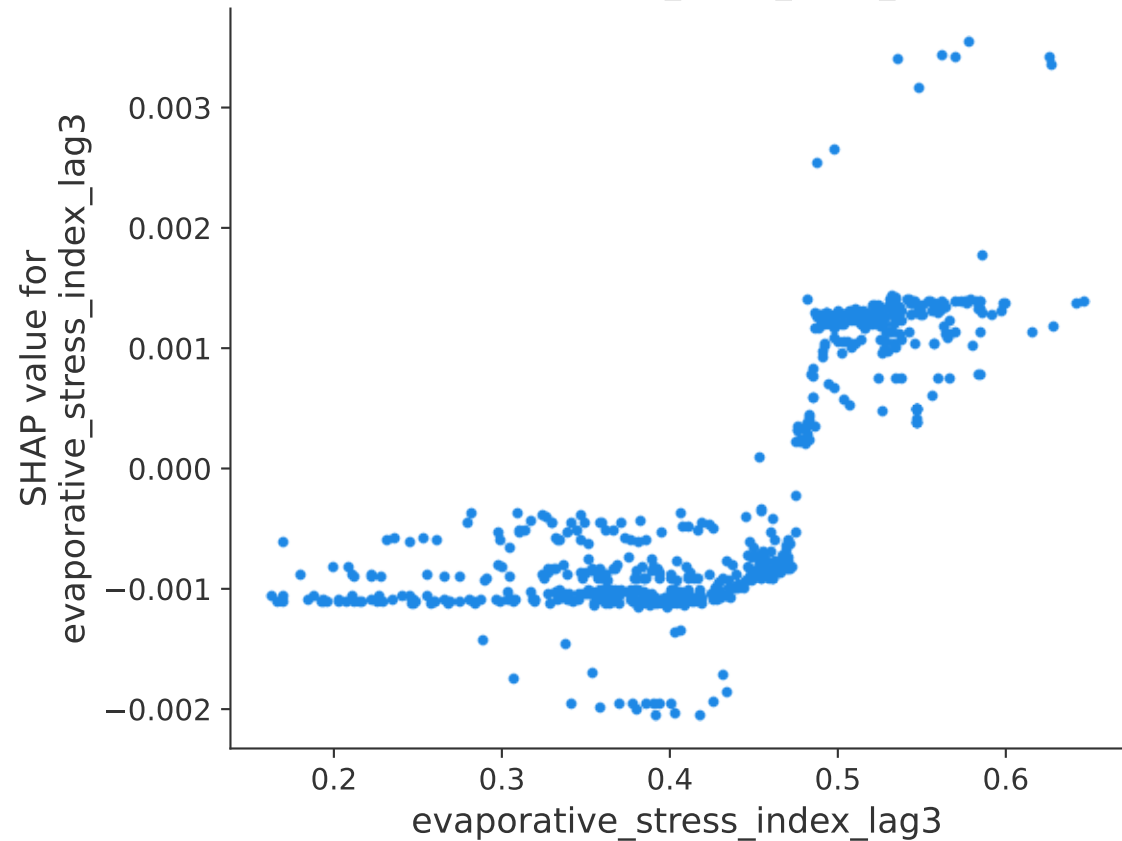
SHAP Dependence Plot for Class_60, Class 2 - Kalimantan



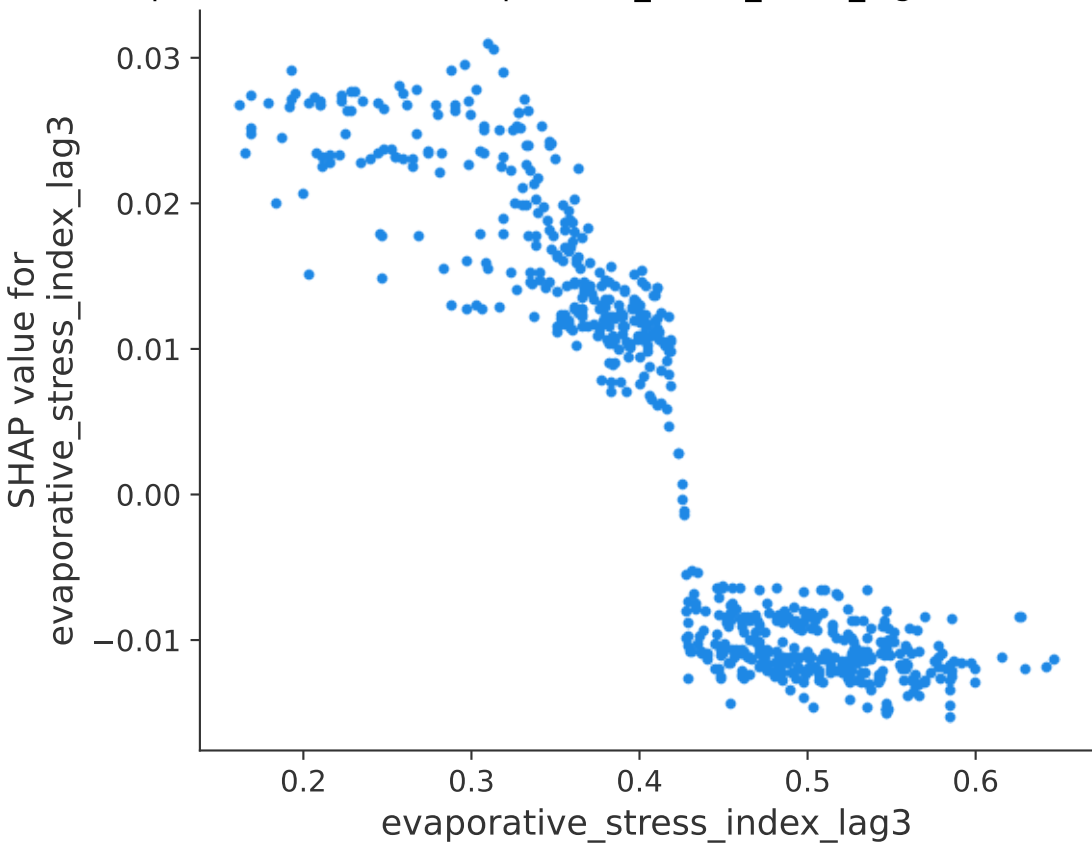
SHAP Dependence Plot for evaporative_stress_index_lag3, Class 0 - Kalimantan



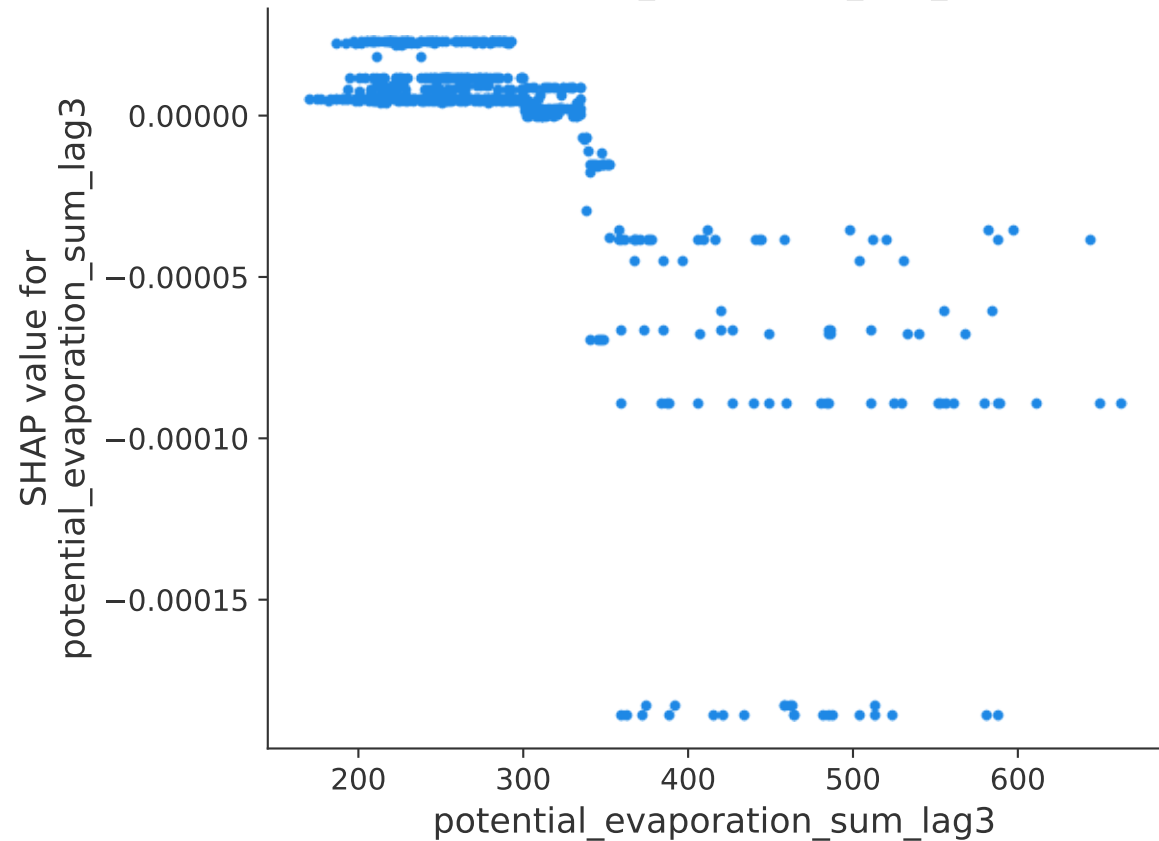
SHAP Dependence Plot for evaporative_stress_index_lag3, Class 1 - Kalimantan



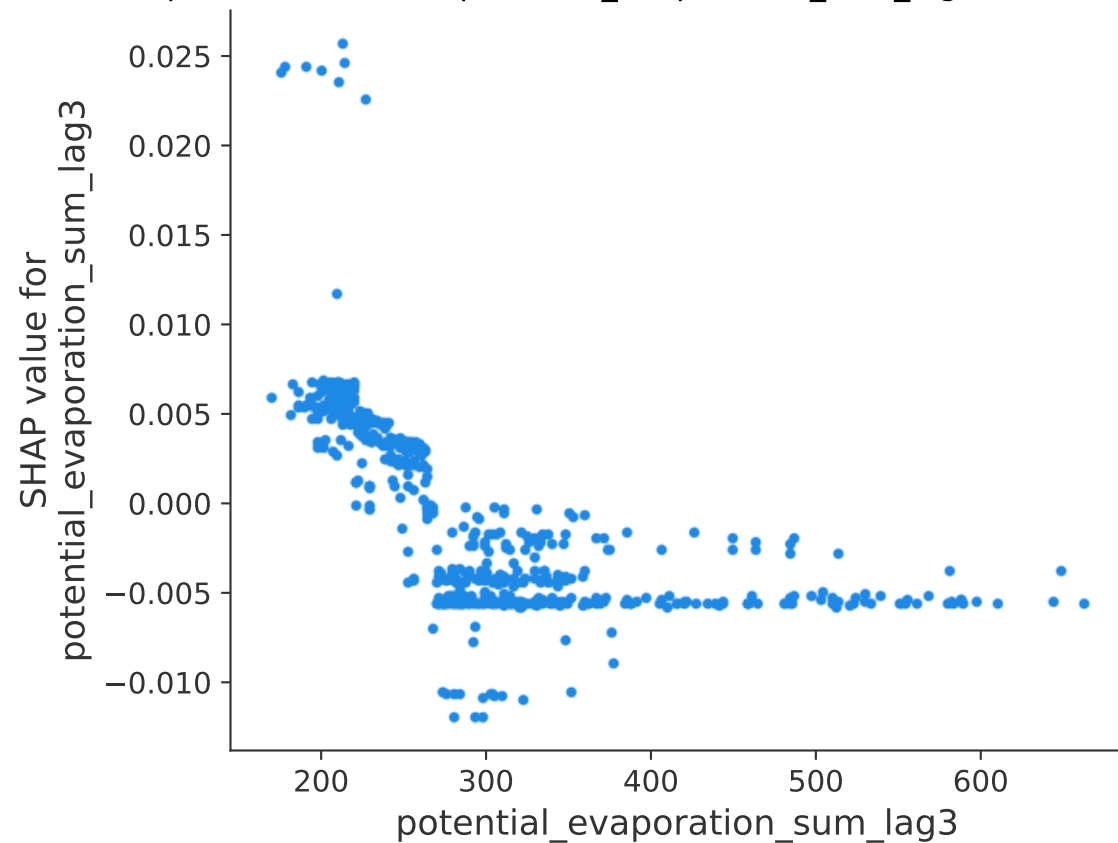
SHAP Dependence Plot for evaporative_stress_index_lag3, Class 2 - Kalimantan



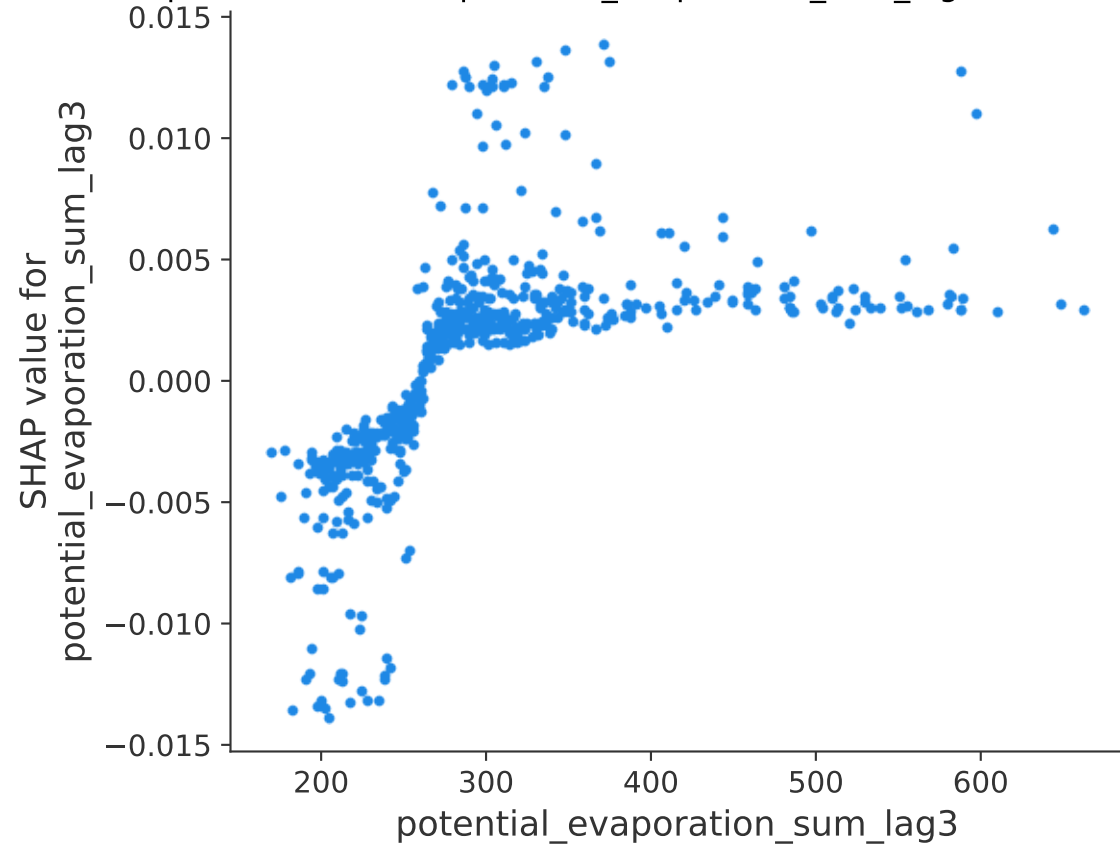
SHAP Dependence Plot for potential_evaporation_sum_lag3, Class 0 - Kalimantan



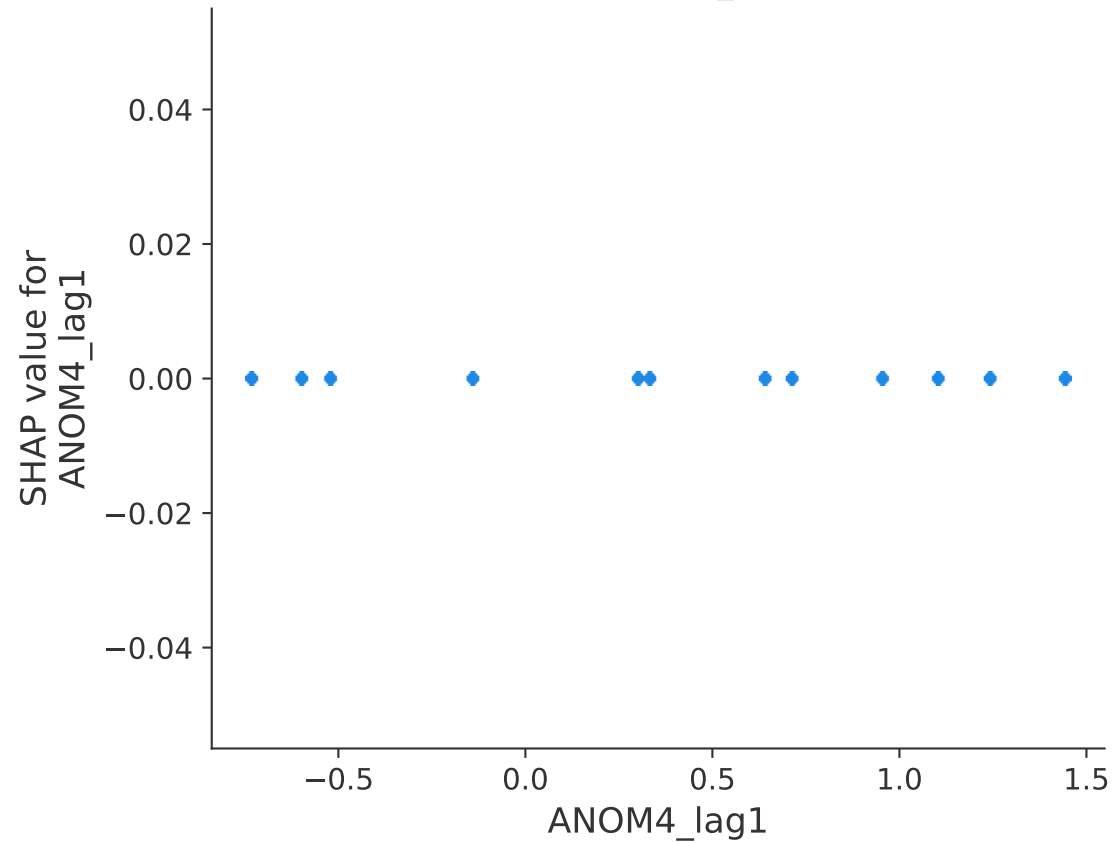
SHAP Dependence Plot for potential_evaporation_sum_lag3, Class 1 - Kalimantan



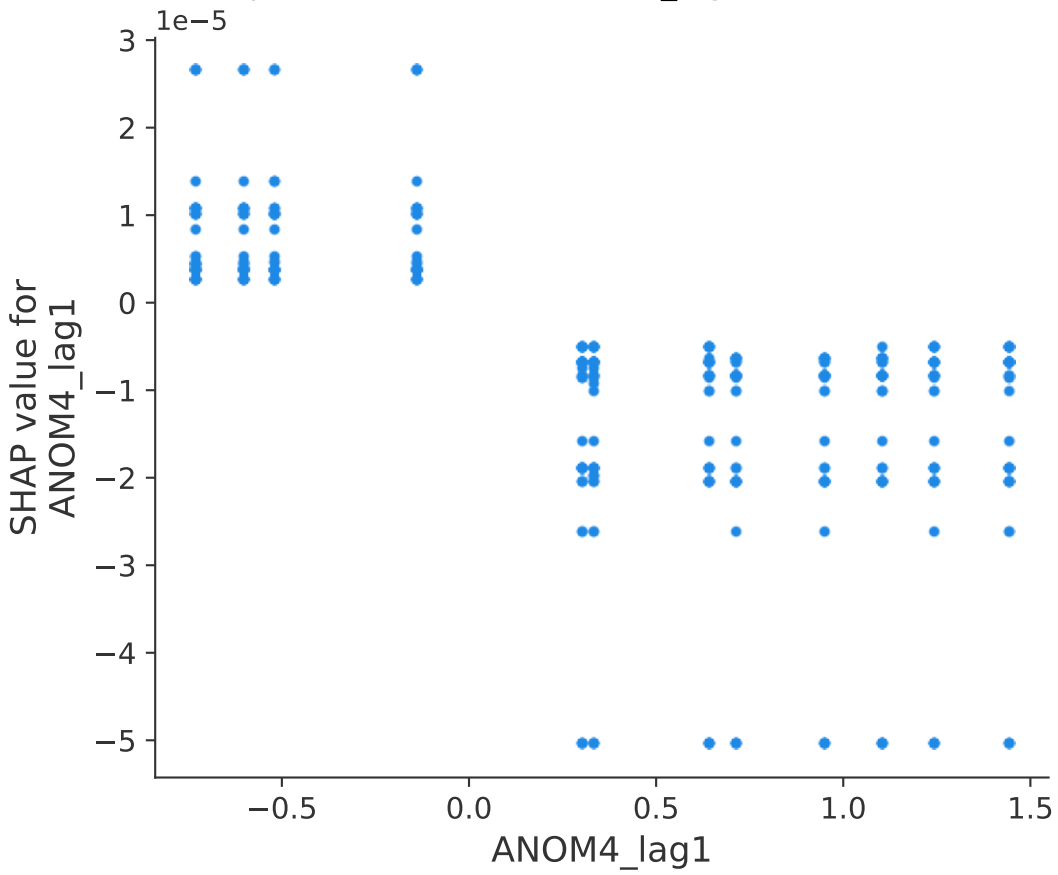
SHAP Dependence Plot for potential_evaporation_sum_lag3, Class 2 - Kalimantan



SHAP Dependence Plot for ANOM4_lag1, Class 0 - Kalimantan



SHAP Dependence Plot for ANOM4_lag1, Class 1 - Kalimantan



SHAP Dependence Plot for ANOM4_lag1, Class 2 - Kalimantan

