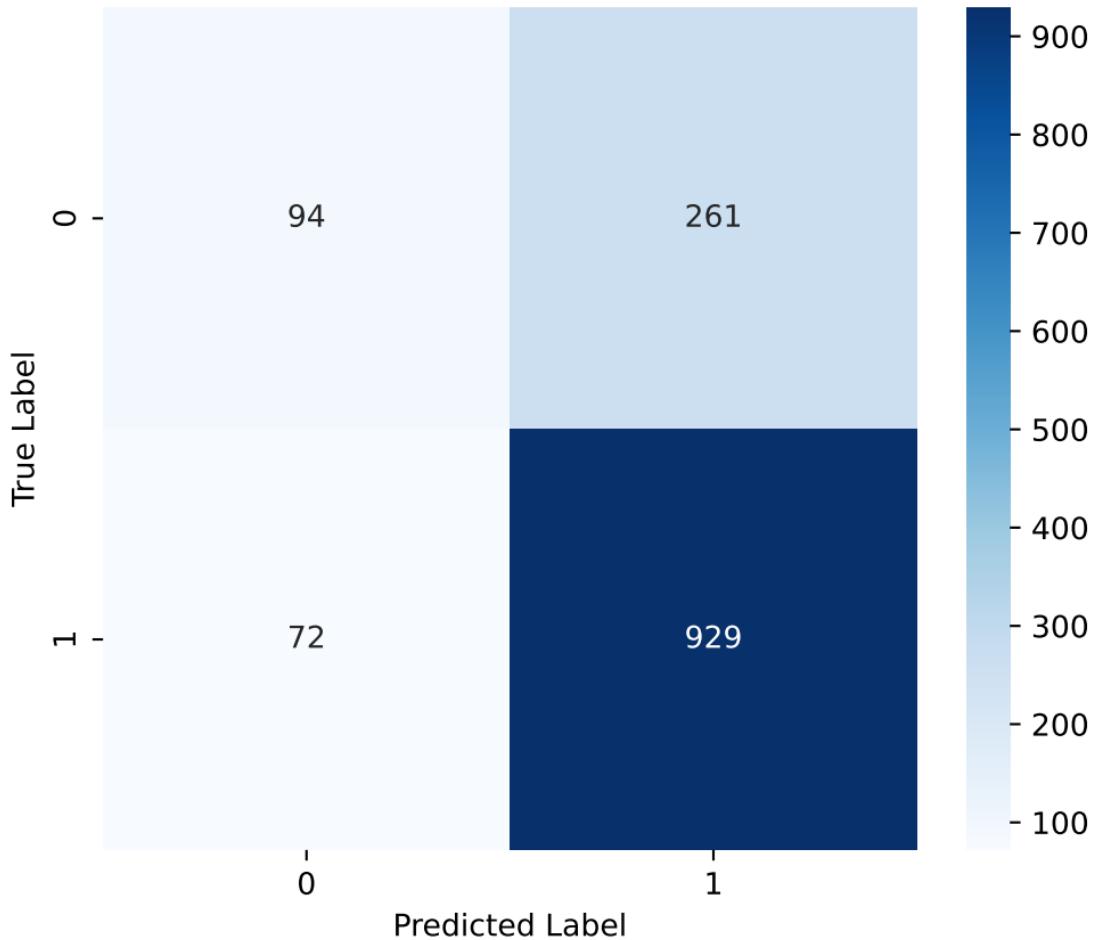


# Confusion Matrix - Sumatra

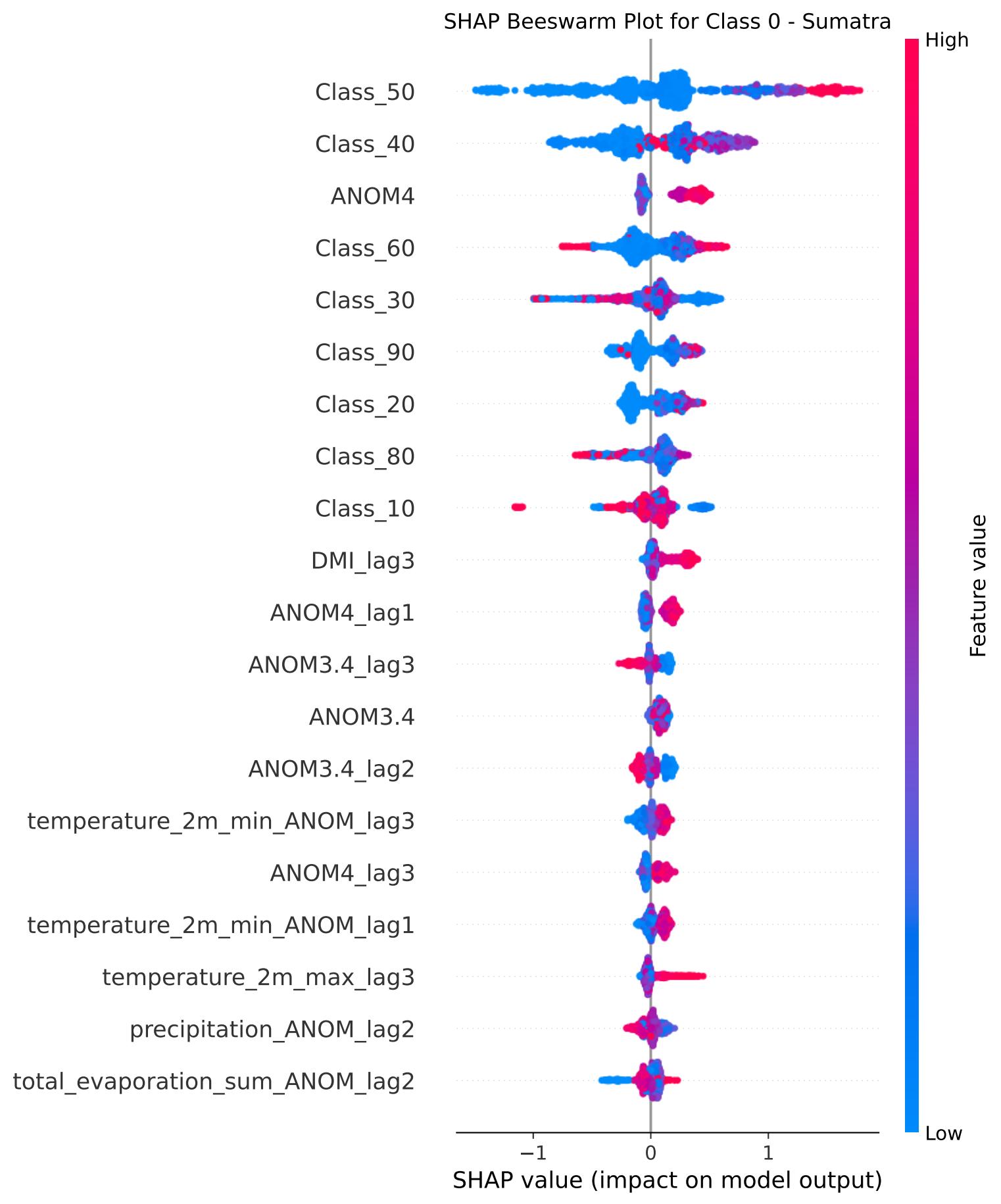


SHAP Beeswarm Plot for Class 0 - Sumatra

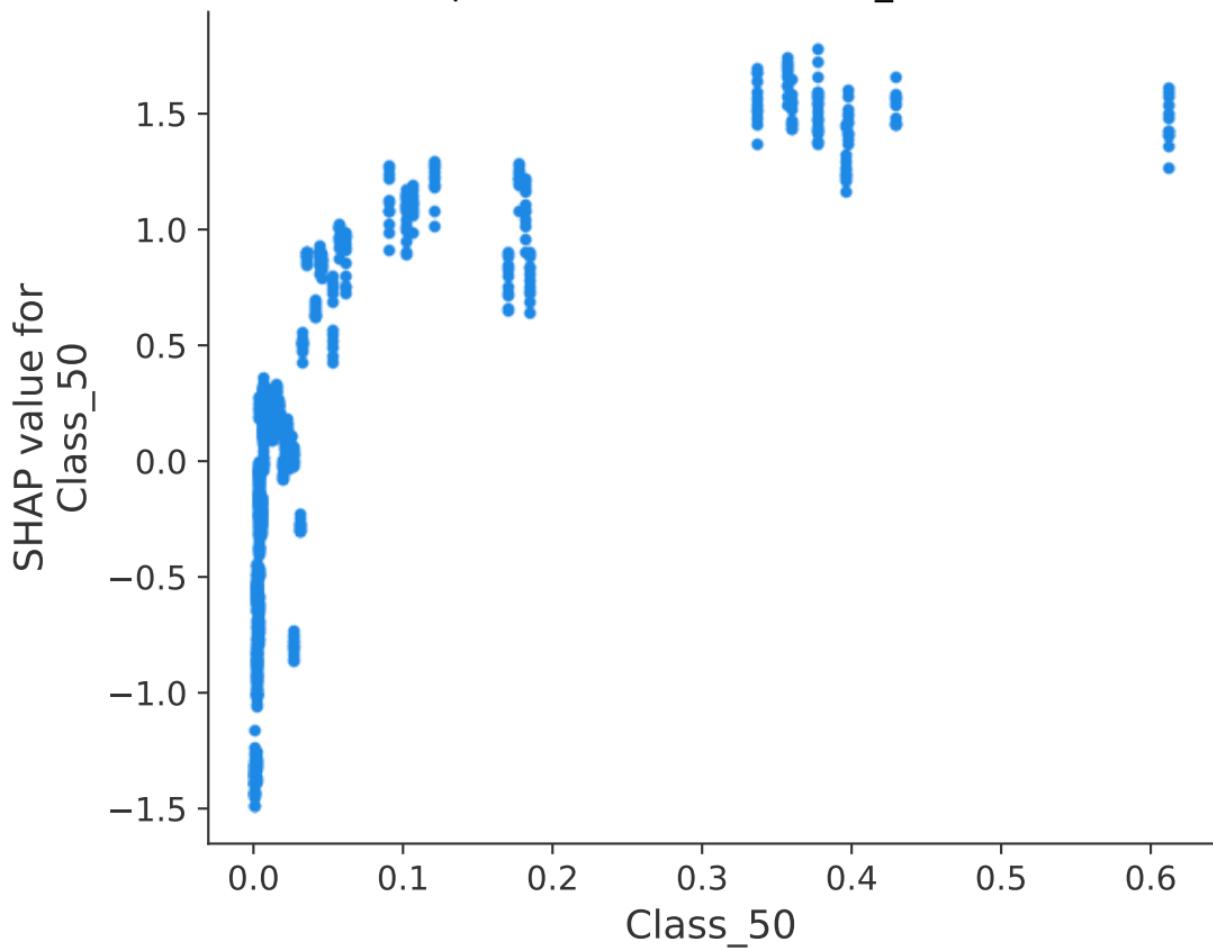
High

Feature value

Low



# SHAP Dependence Plot for Class\_50 - Sumatra



# SHAP Dependence Plot for Class\_40 - Sumatra

SHAP value for  
Class\_40

0.75

0.50

0.25

0.00

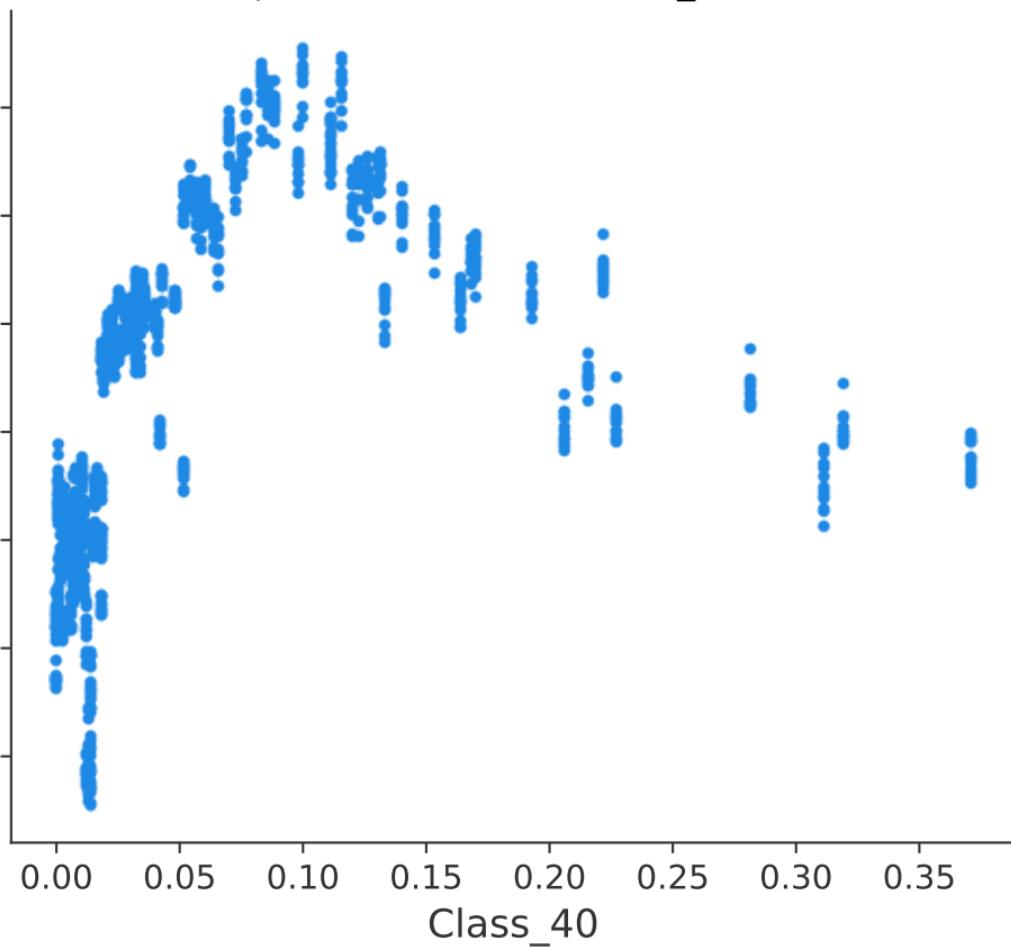
-0.25

-0.50

-0.75

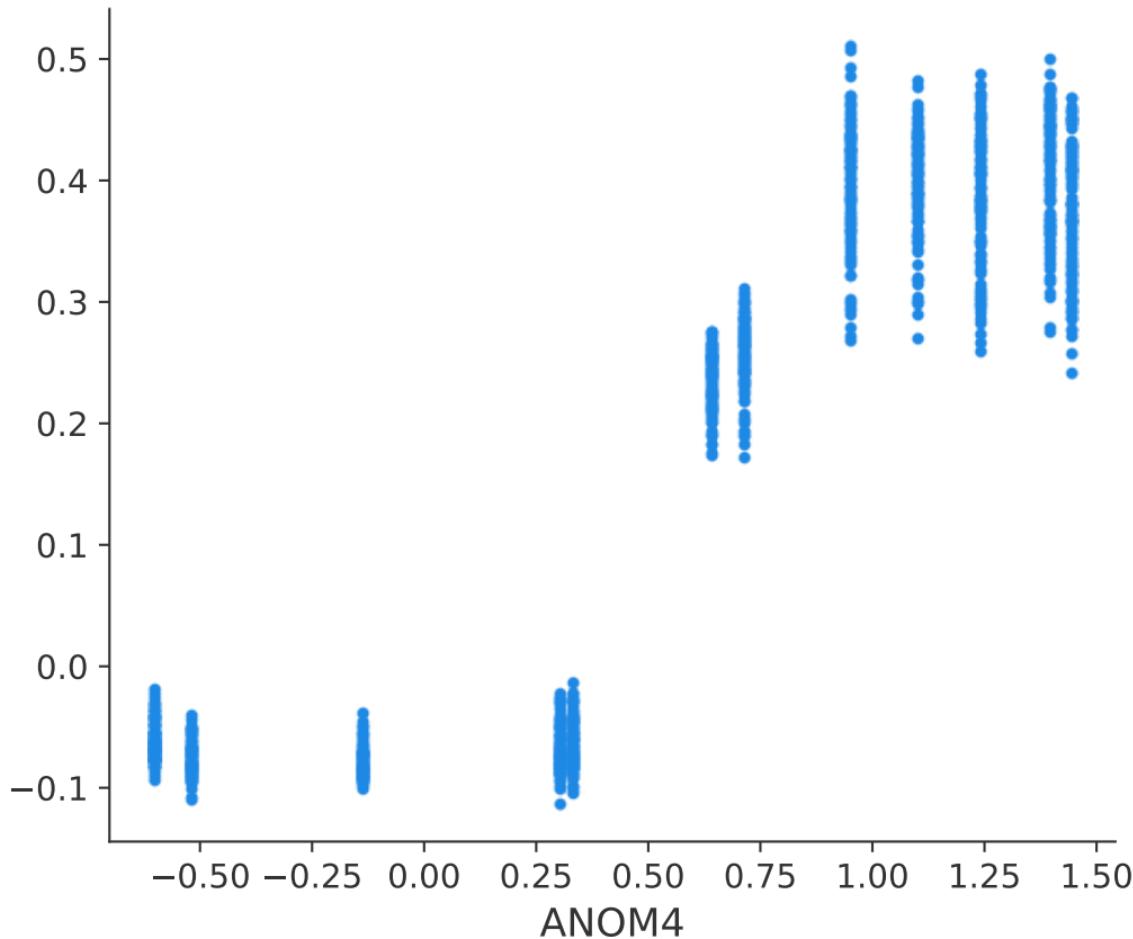
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35

Class\_40



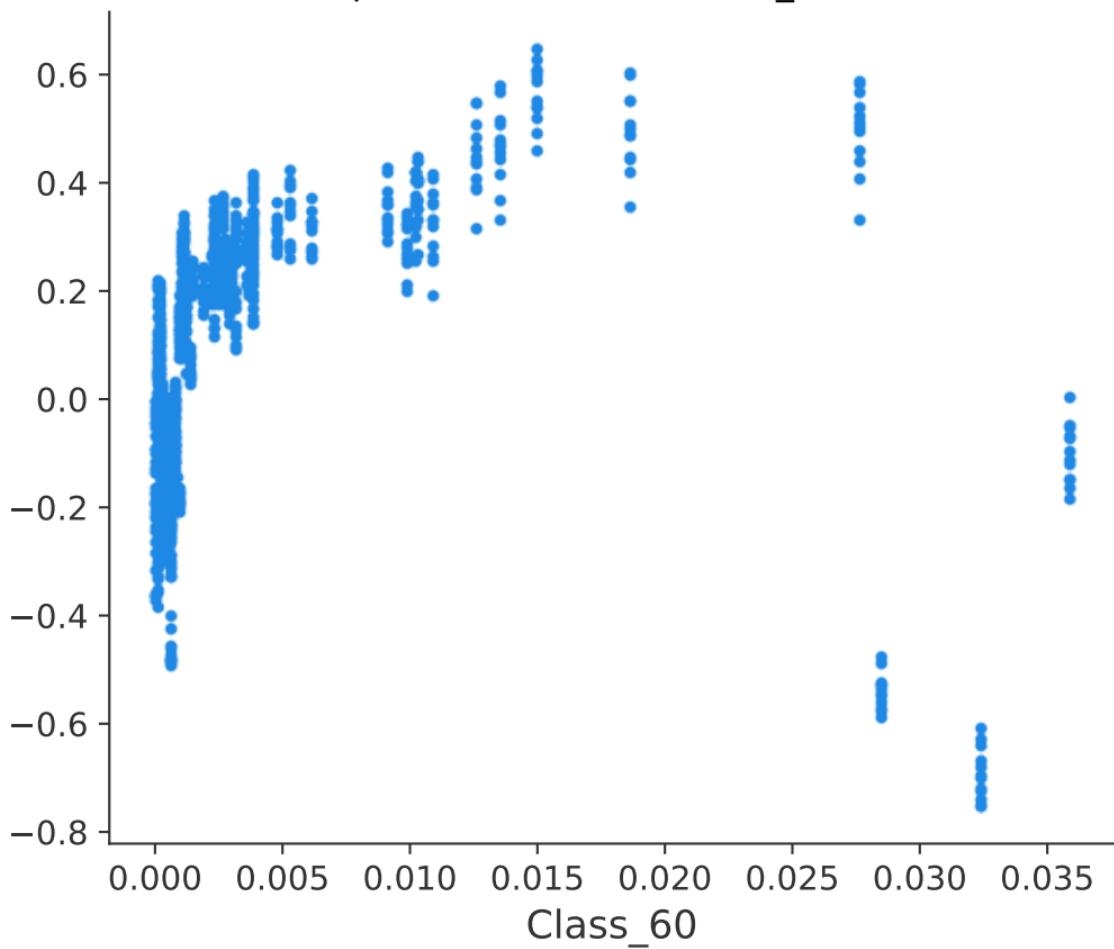
# SHAP Dependence Plot for ANOM4 - Sumatra

SHAP value for  
ANOM4

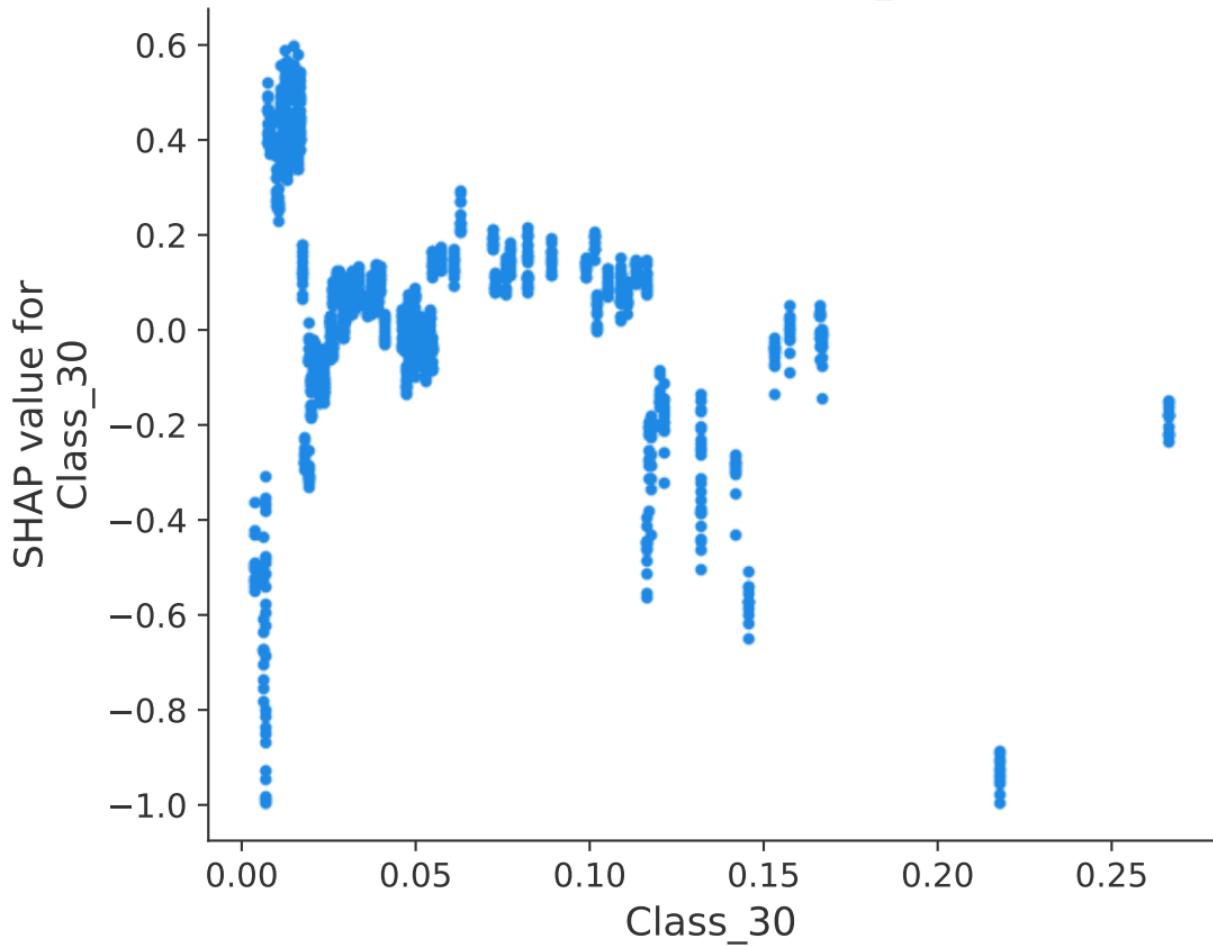


# SHAP Dependence Plot for Class\_60 - Sumatra

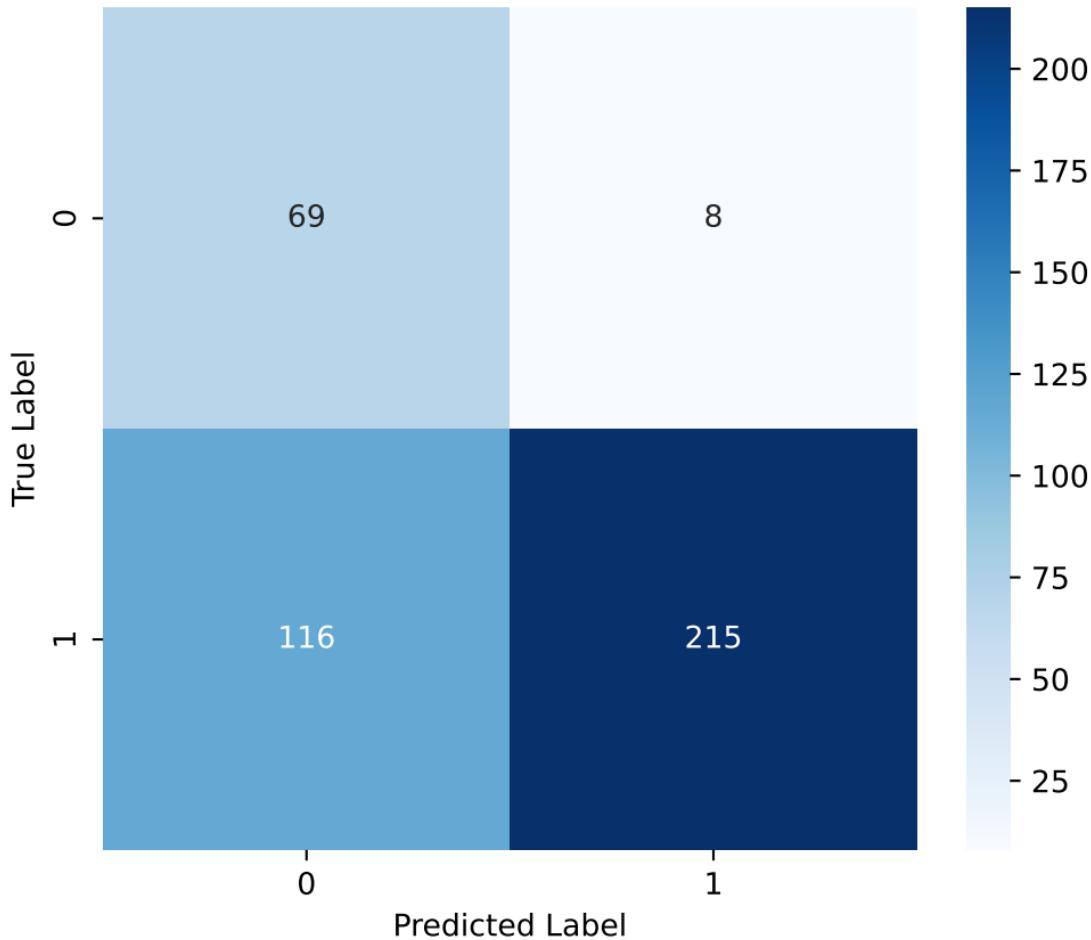
SHAP value for  
Class\_60



# SHAP Dependence Plot for Class\_30 - Sumatra

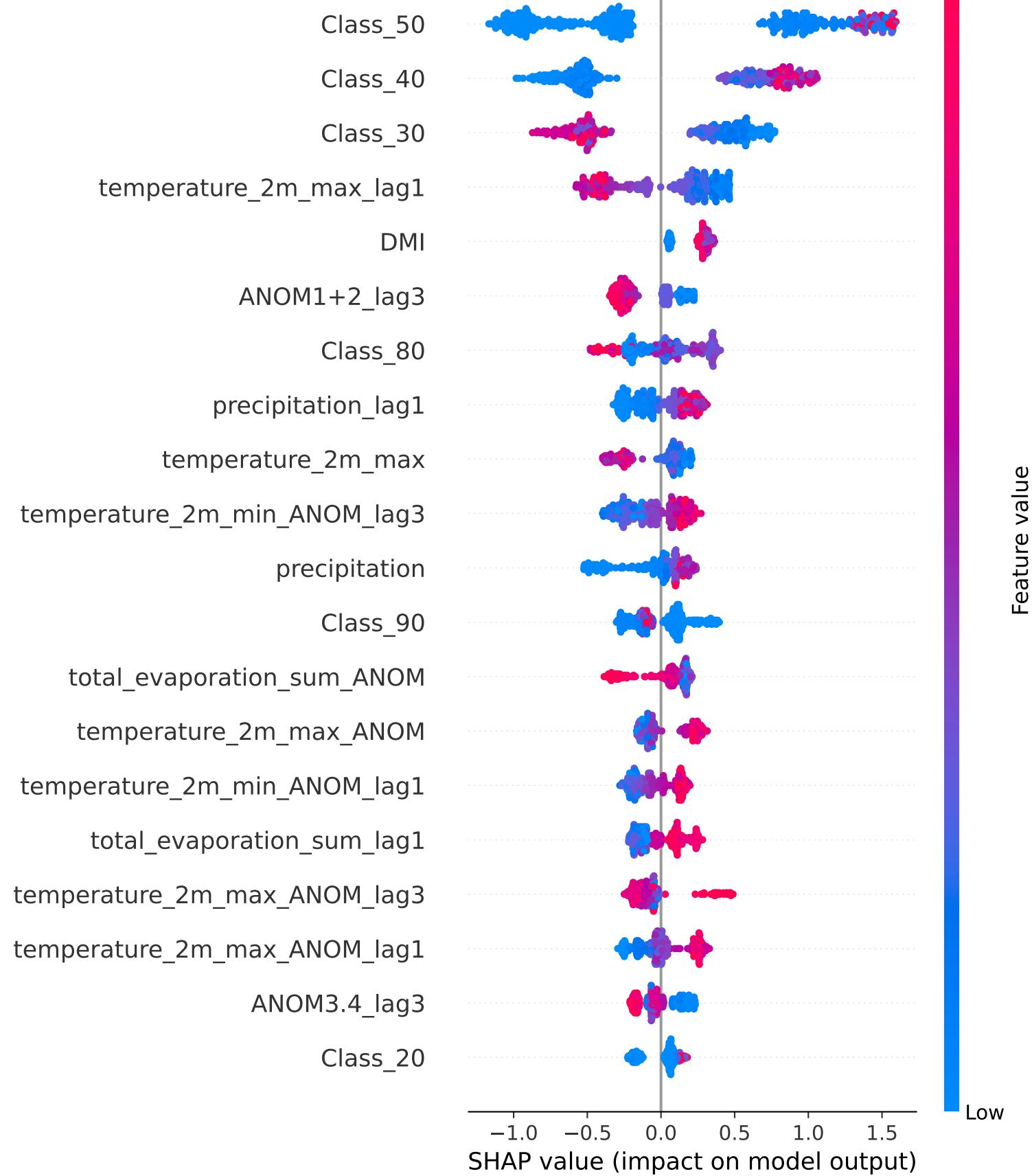


# Confusion Matrix - Nusa Tenggara



SHAP Beeswarm Plot for Class 0 - Nusa Tenggara

High



# SHAP Dependence Plot for Class\_50 - Nusa Tenggara

SHAP value for  
Class\_50

1.5

1.0

0.5

0.0

-0.5

-1.0

0.0

0.1

0.2

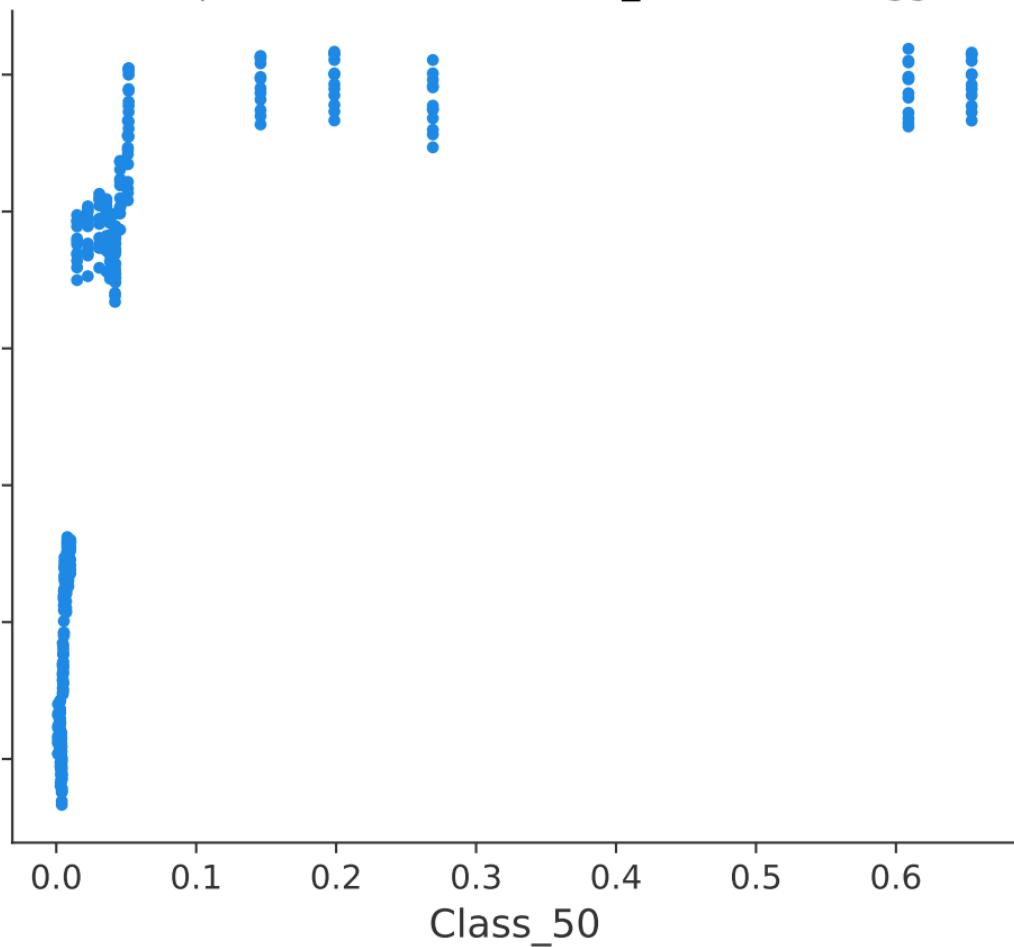
0.3

0.4

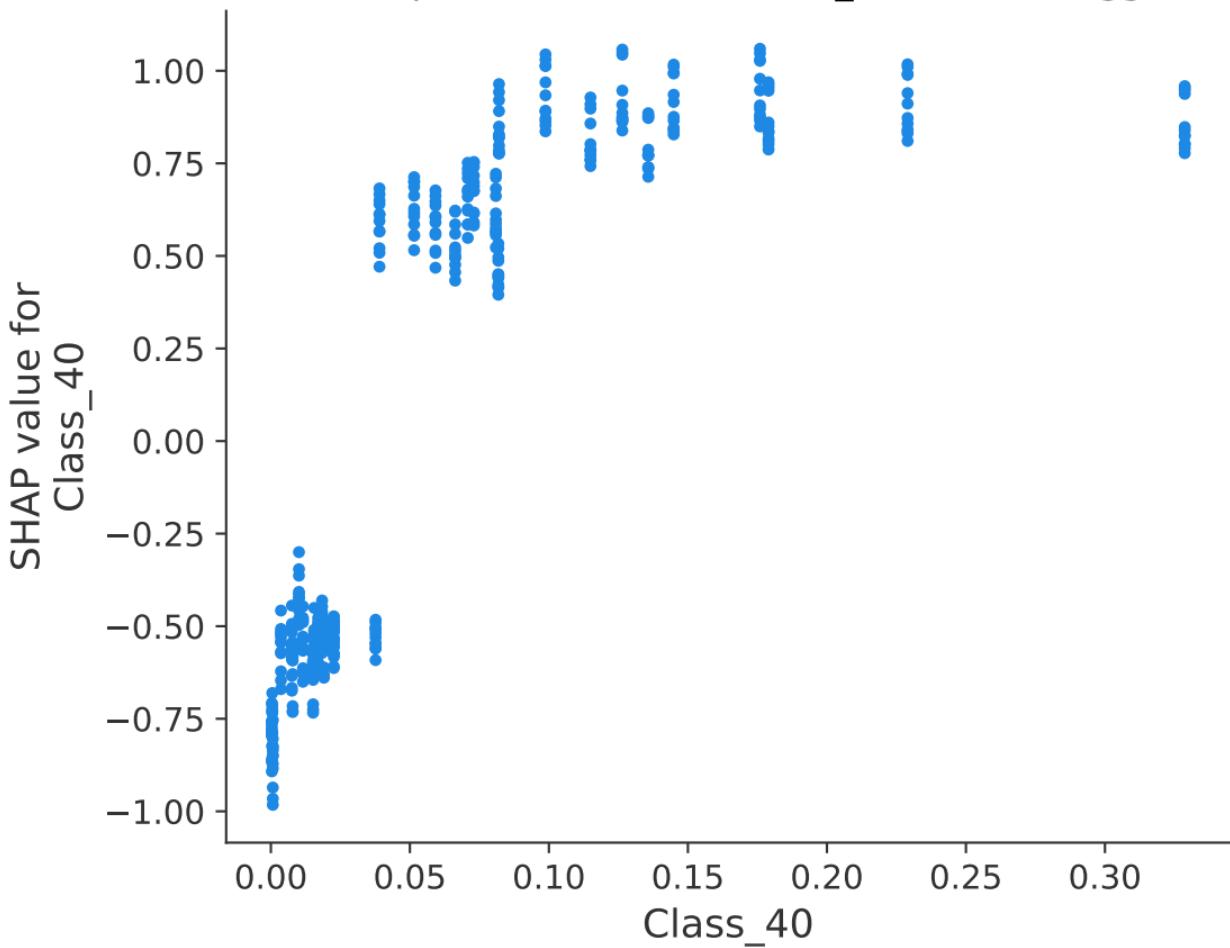
0.5

0.6

Class\_50



# SHAP Dependence Plot for Class\_40 - Nusa Tenggara



# SHAP Dependence Plot for Class\_30 - Nusa Tenggara

SHAP value for  
Class\_30

0.75

0.50

0.25

0.00

-0.25

-0.50

-0.75

0.0

0.1

0.2

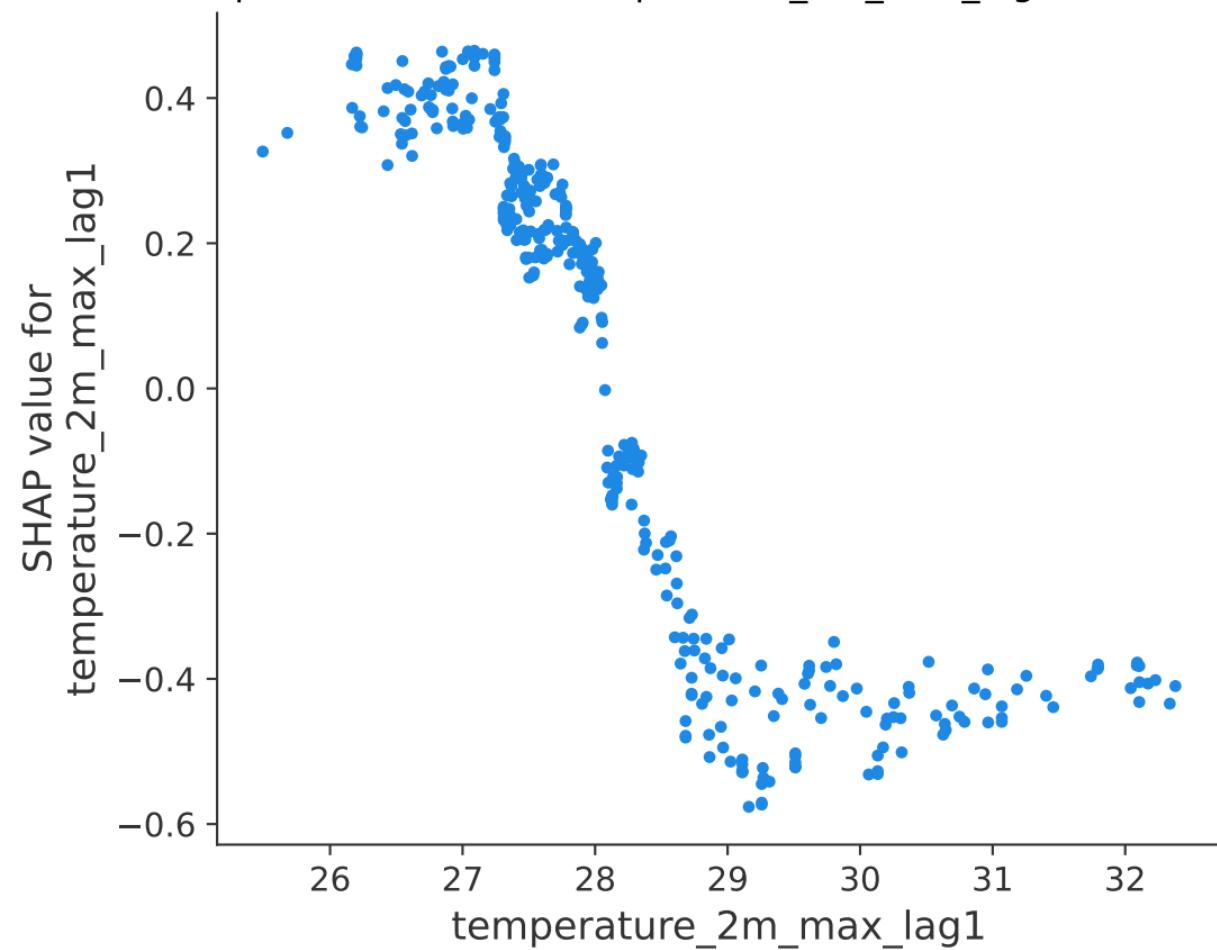
0.3

0.4

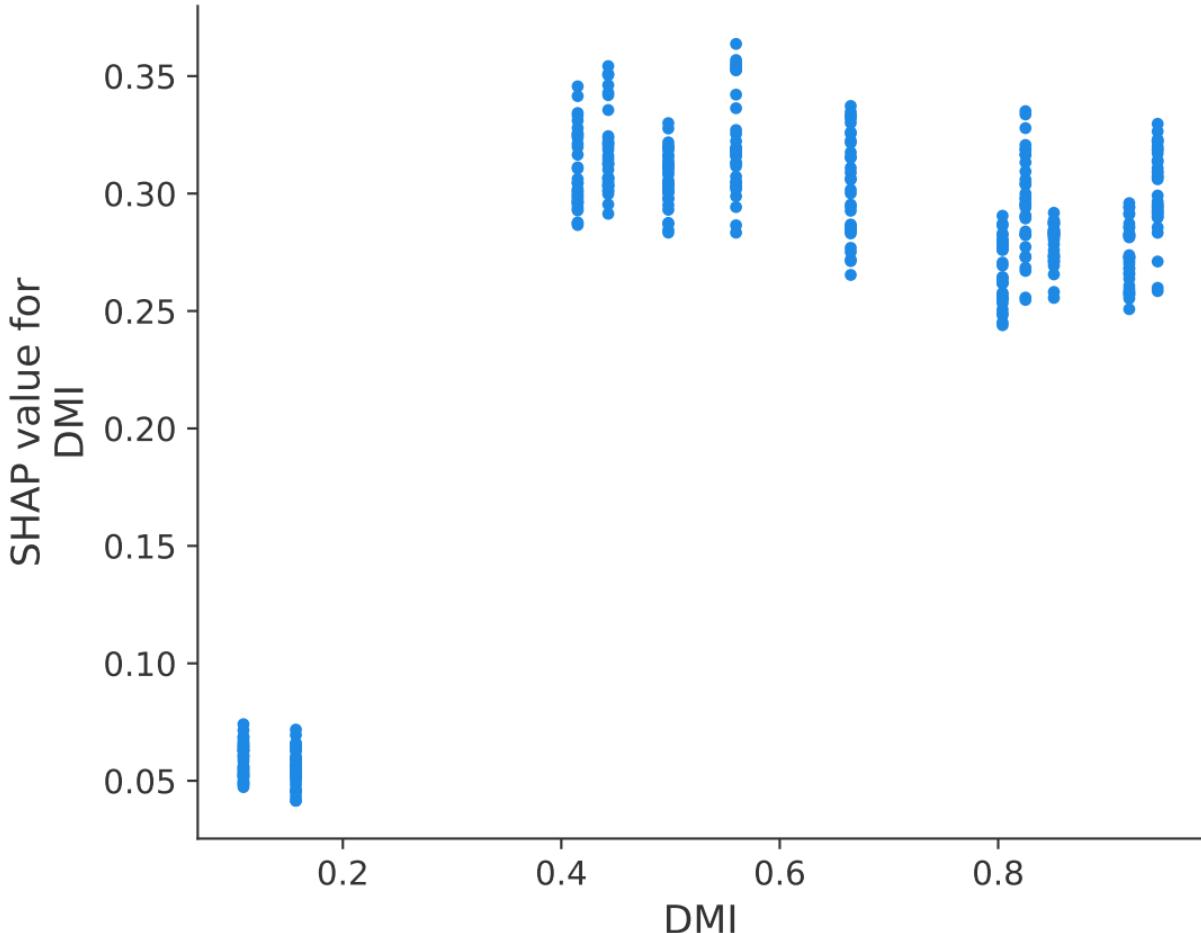
0.5

Class\_30

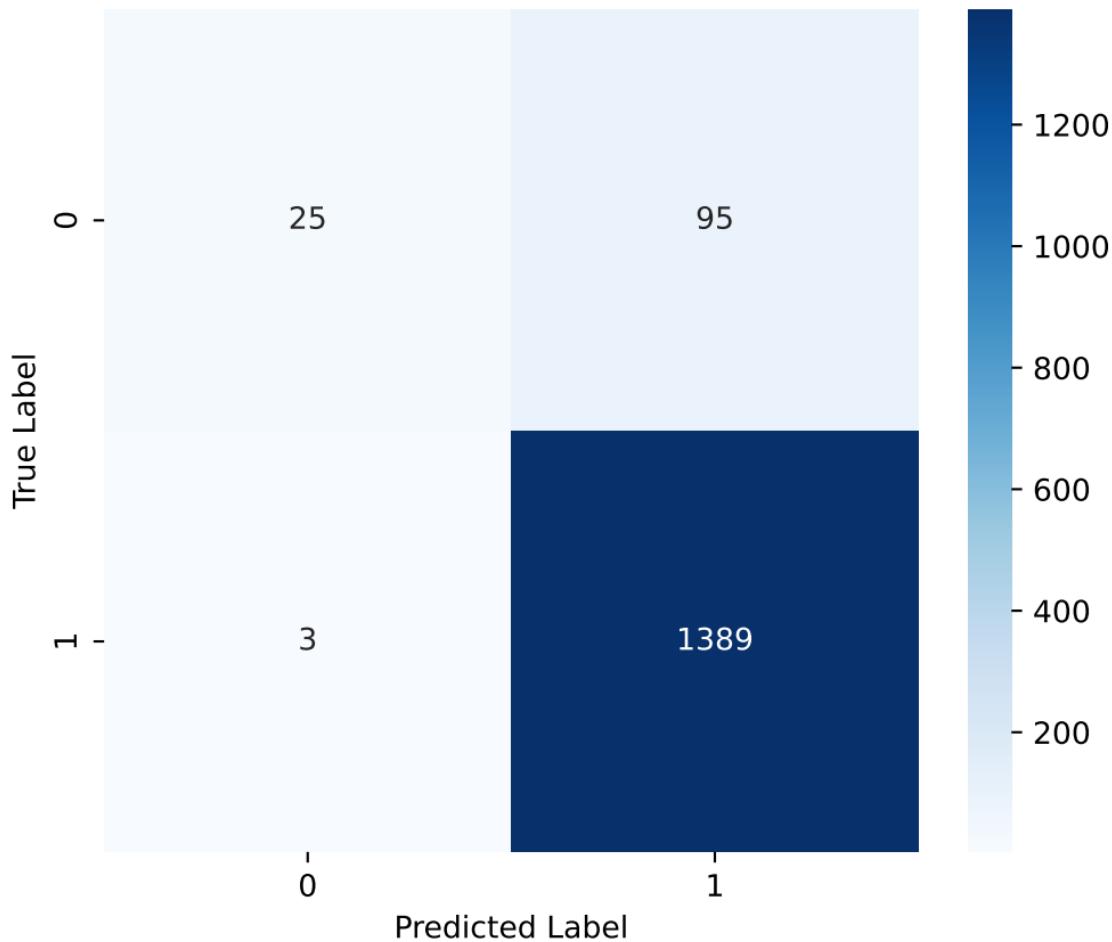
# SHAP Dependence Plot for temperature\_2m\_max\_lag1 - Nusa Tenggara



# SHAP Dependence Plot for DMI - Nusa Tenggara



# Confusion Matrix - Java



SHAP Beeswarm Plot for Class 0 - Java

High

Feature value

Low

Class\_80

Class\_20

Class\_90

Class\_60

Class\_40

Class\_50

Class\_30

precipitation\_lag2

total\_evaporation\_sum\_lag1

DMI

precipitation\_lag3

DMI\_lag1

Class\_10

temperature\_2m\_max\_lag3

precipitation\_ANOM\_lag2

potential\_evaporation\_sum\_lag3

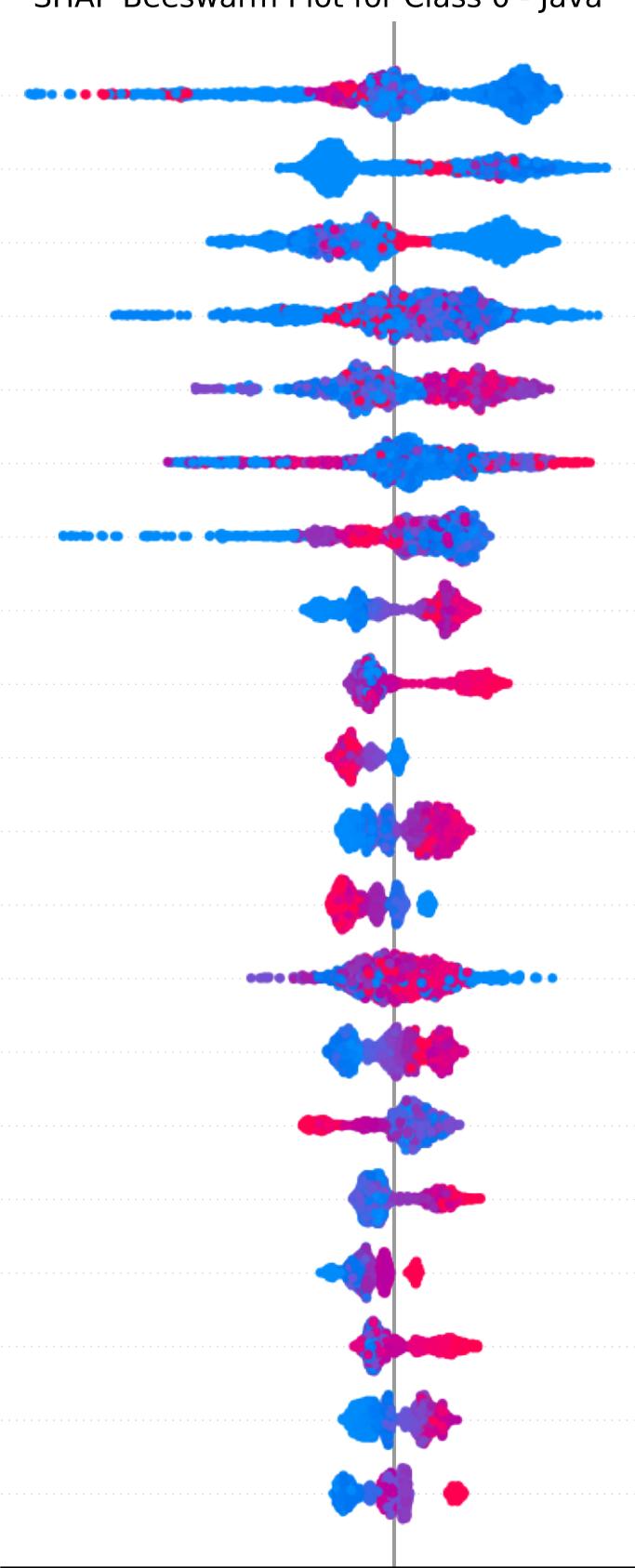
DMI\_East

total\_evaporation\_sum\_lag2

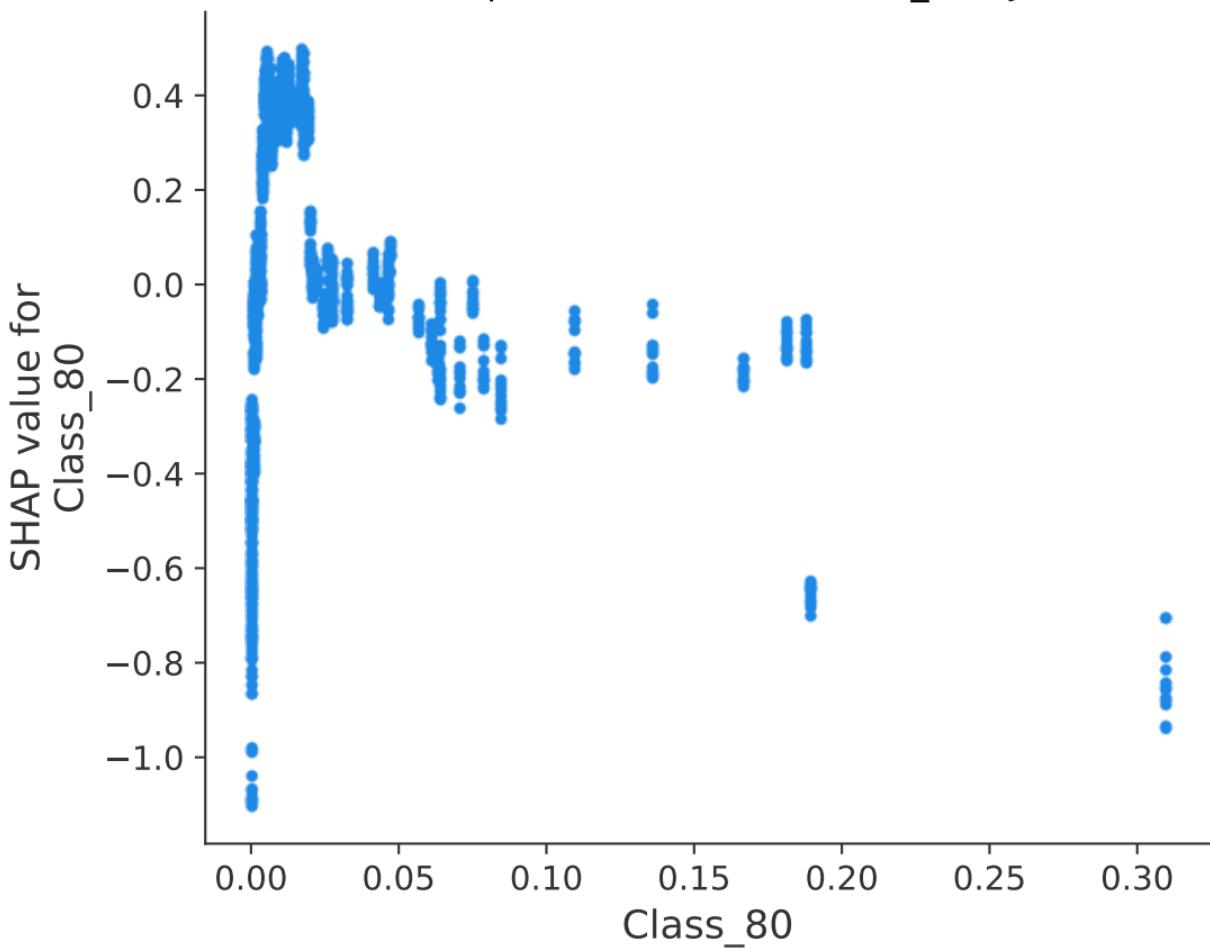
aridity\_index\_lag2

DMI\_East\_lag3

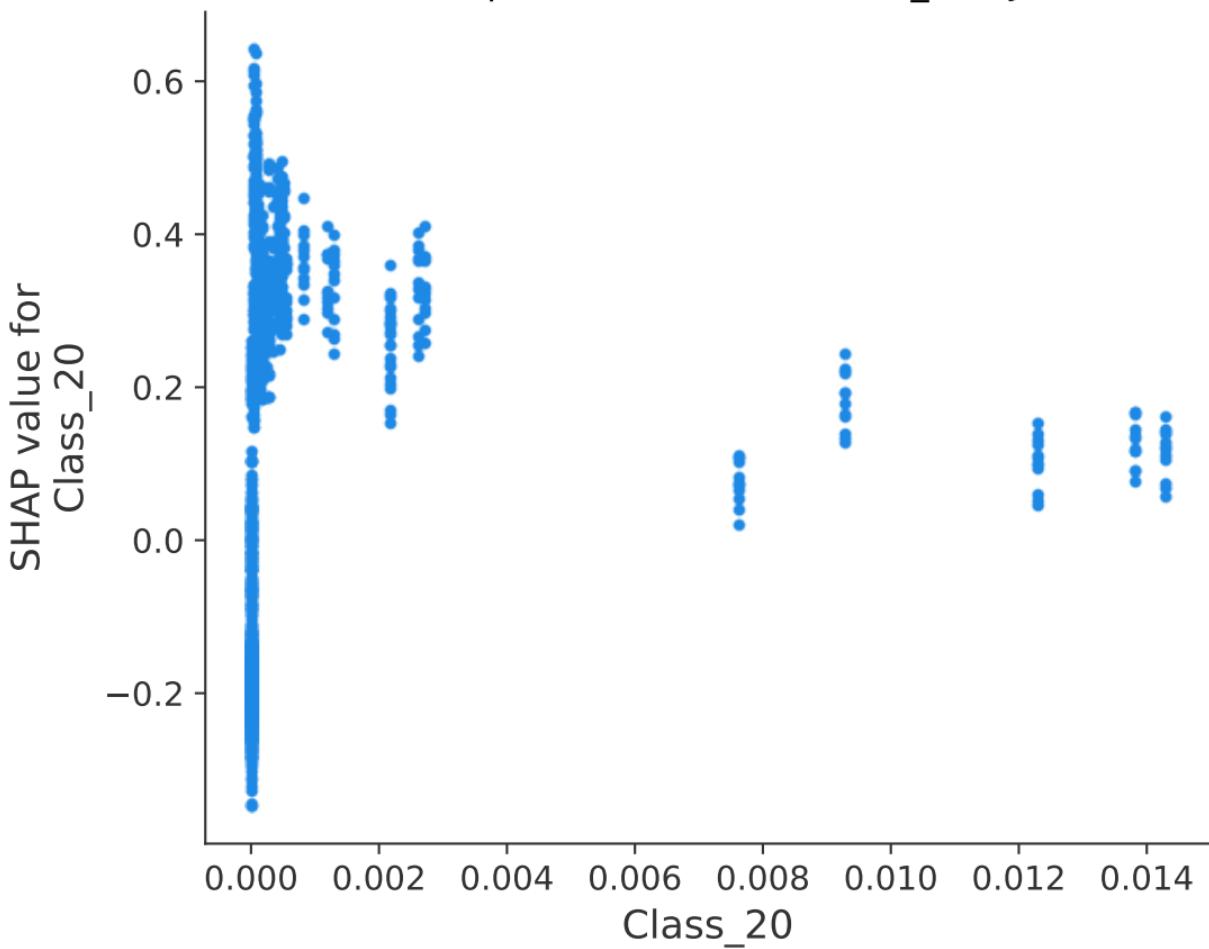
SHAP value (impact on model output)



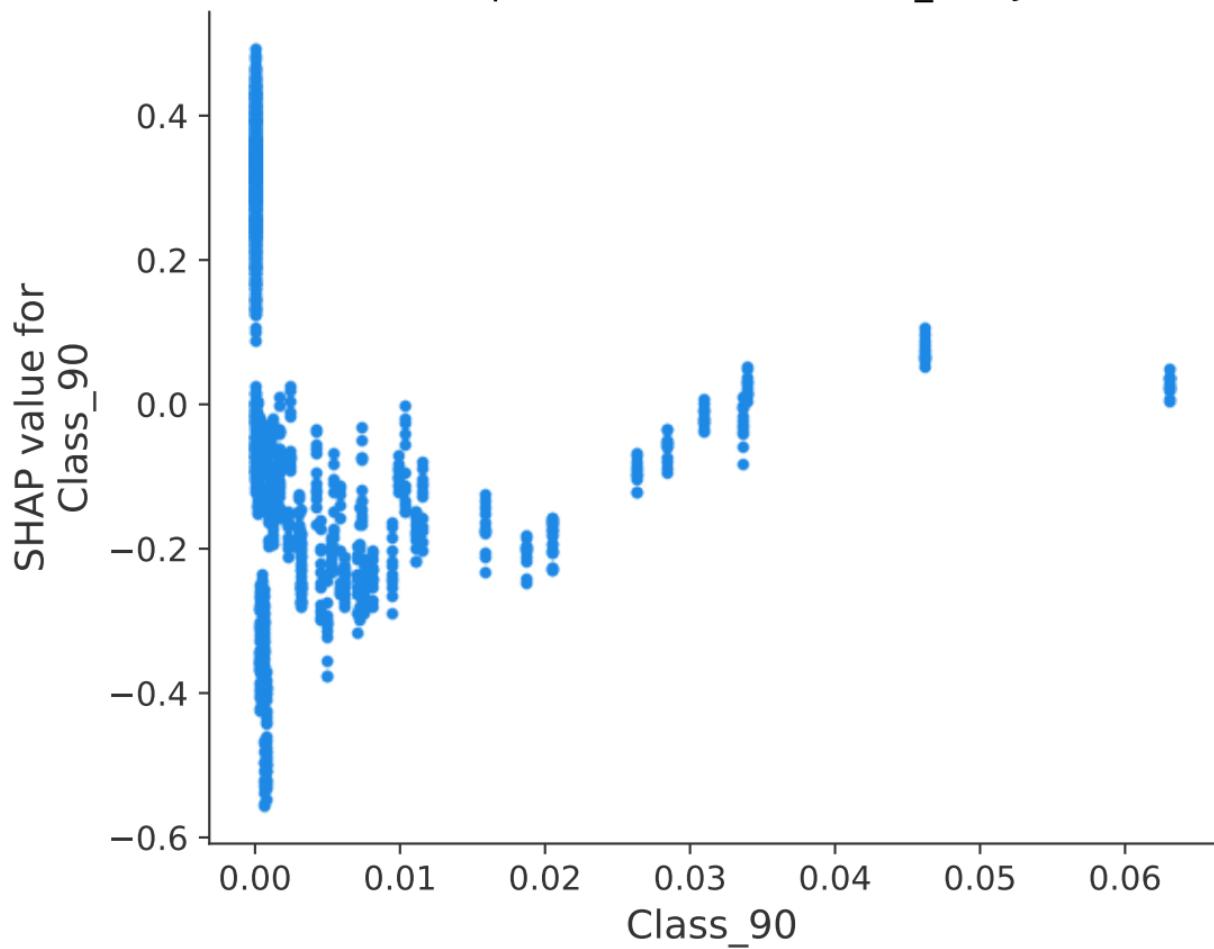
# SHAP Dependence Plot for Class\_80 - Java



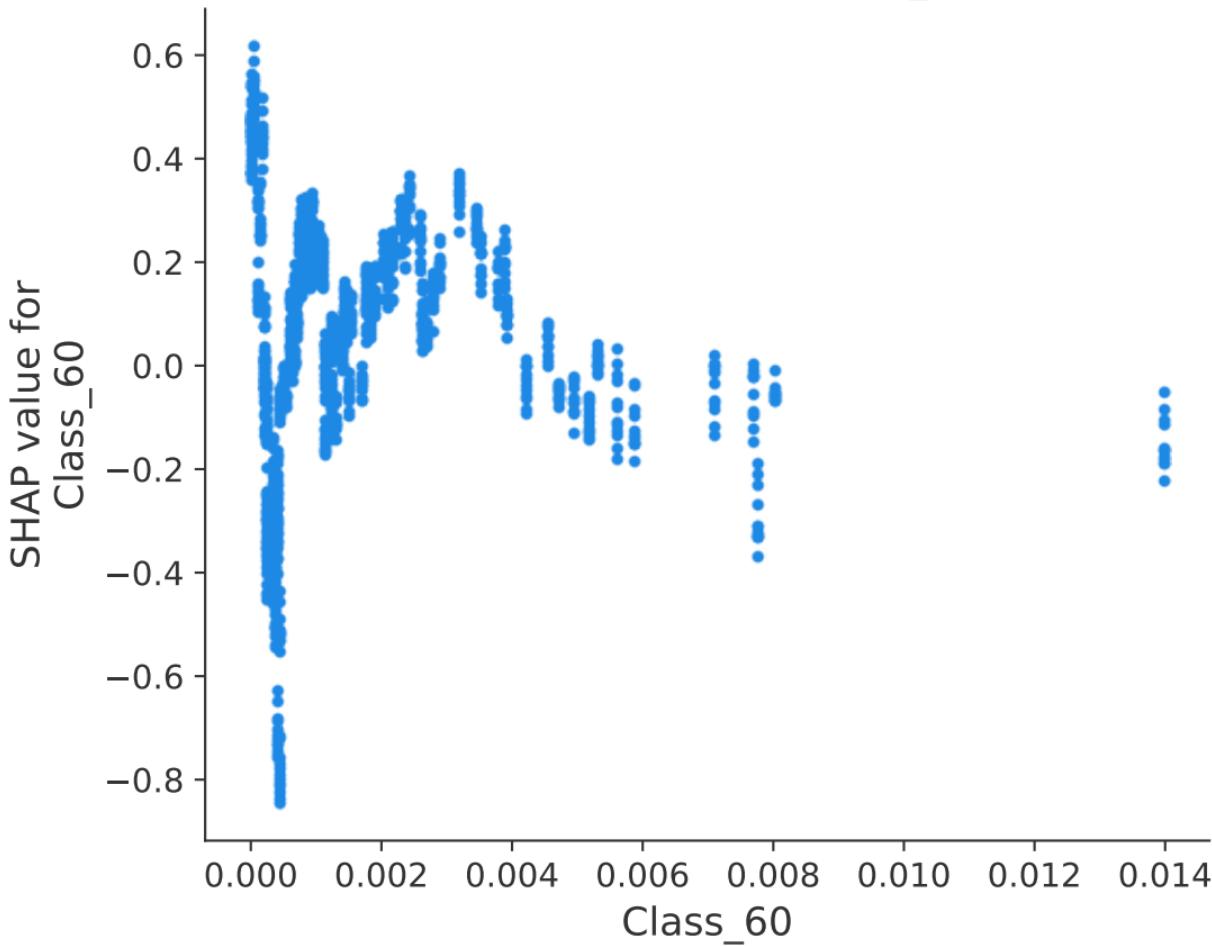
## SHAP Dependence Plot for Class\_20 - Java



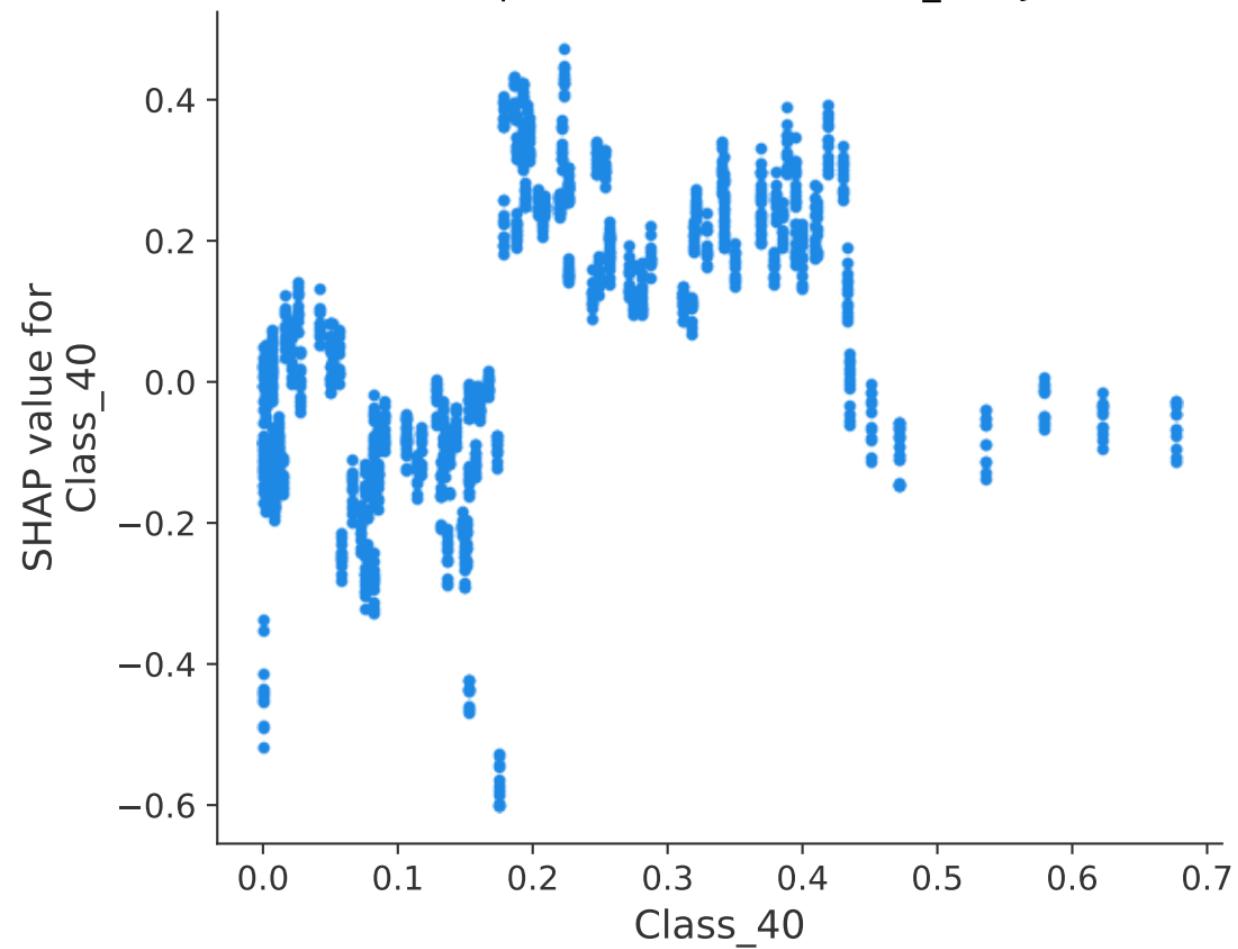
# SHAP Dependence Plot for Class\_90 - Java



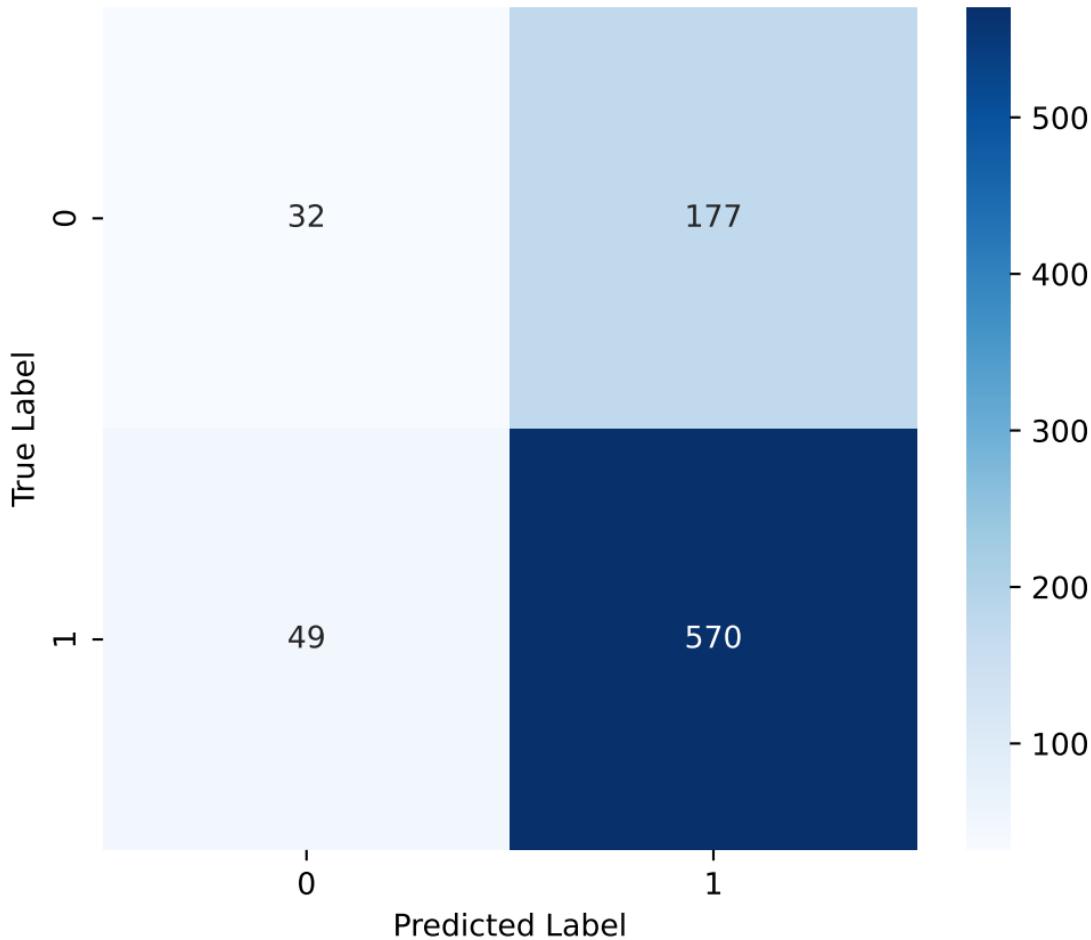
## SHAP Dependence Plot for Class\_60 - Java



## SHAP Dependence Plot for Class\_40 - Java



# Confusion Matrix - Sulawesi



## SHAP Beeswarm Plot for Class 0 - Sulawesi

High

Feature value

Low

Class\_50

ANOM4

Class\_10

ANOM1+2

Class\_60

Class\_40

Class\_90

DMI\_lag3

Class\_95

DMI\_lag1

Class\_80

DMI\_East\_lag2

ANOM4\_lag1

Class\_30

temperature\_2m\_ANOM\_lag3

temperature\_2m\_max\_ANOM\_lag1

precipitation\_lag1

temperature\_2m\_max\_lag3

potential\_evaporation\_sum

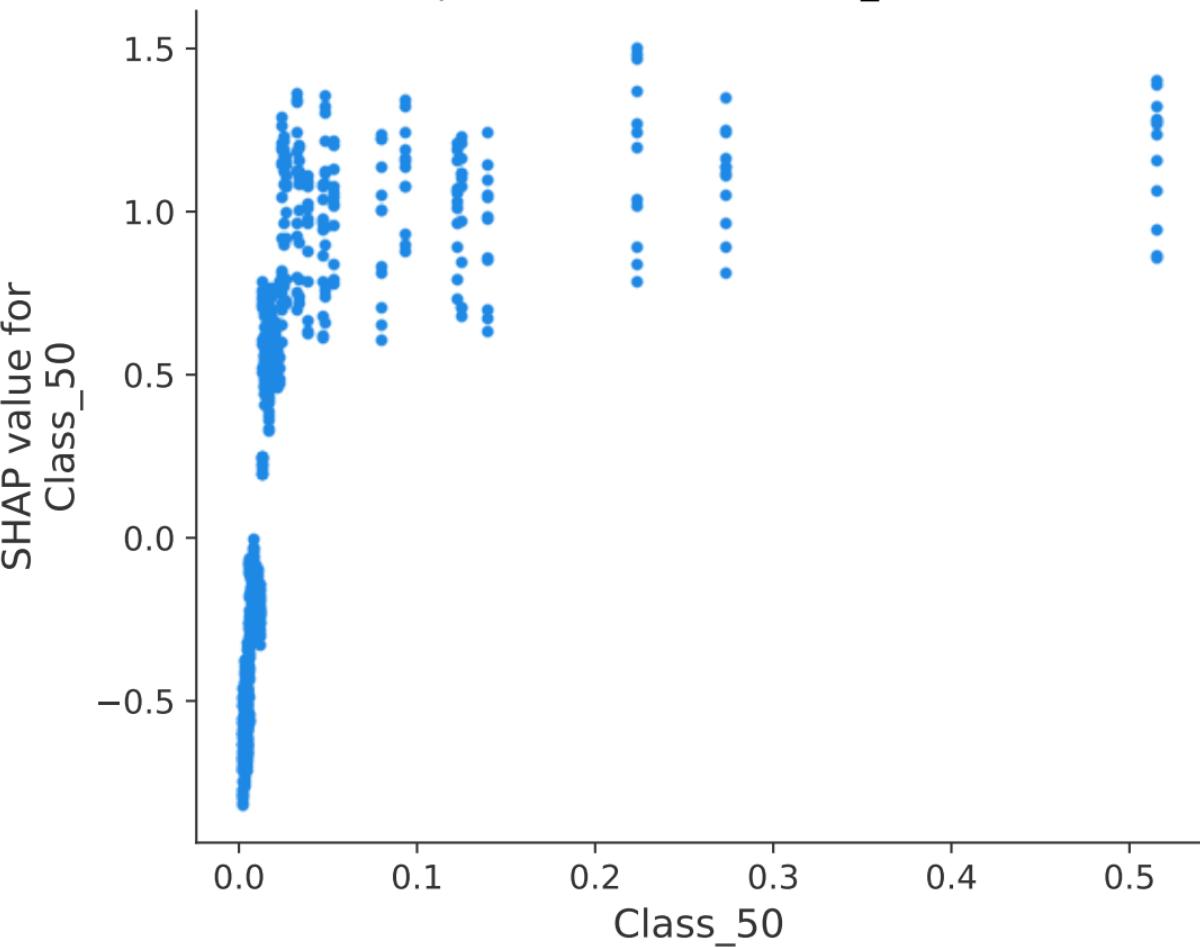
ANOM3.4

SHAP value (impact on model output)

-0.5 0.0 0.5 1.0 1.5

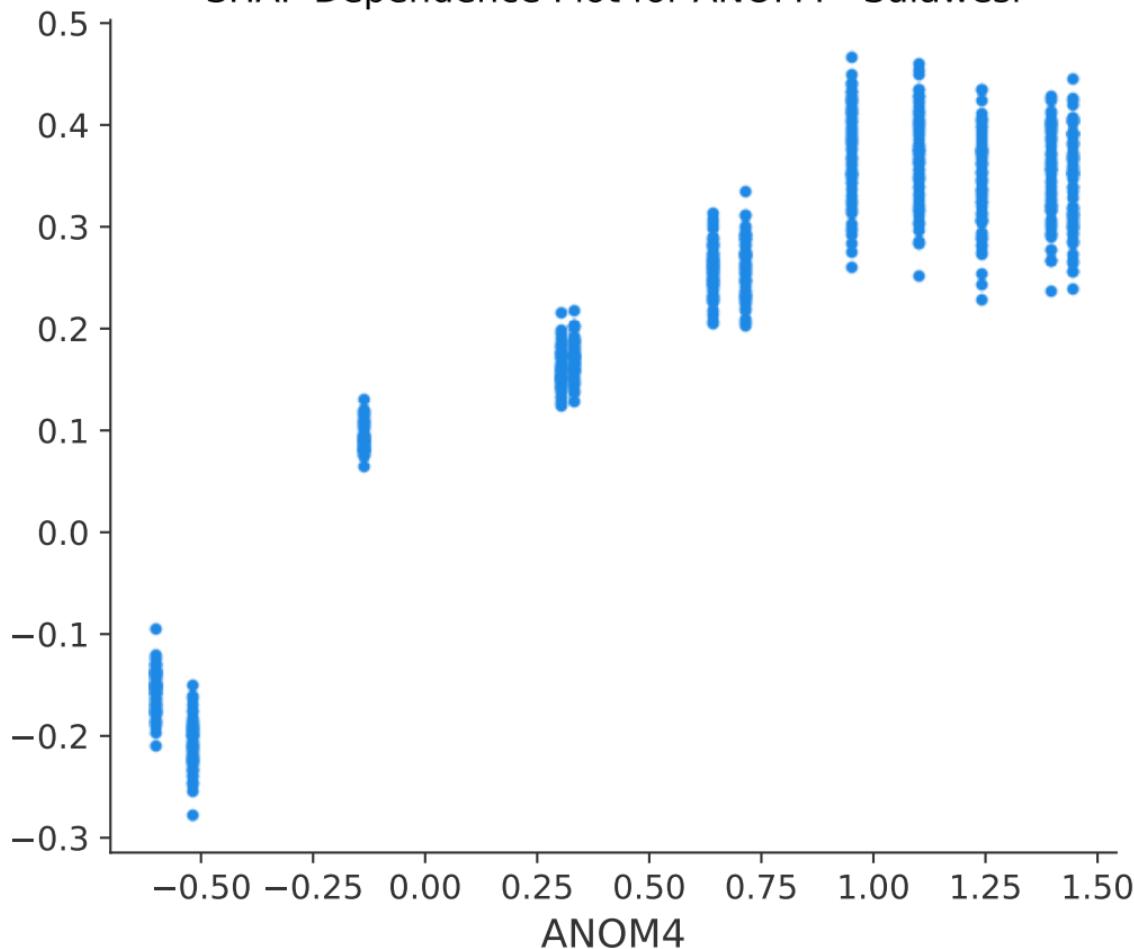
# SHAP Dependence Plot for Class\_50 - Sulawesi

SHAP value for  
Class\_50

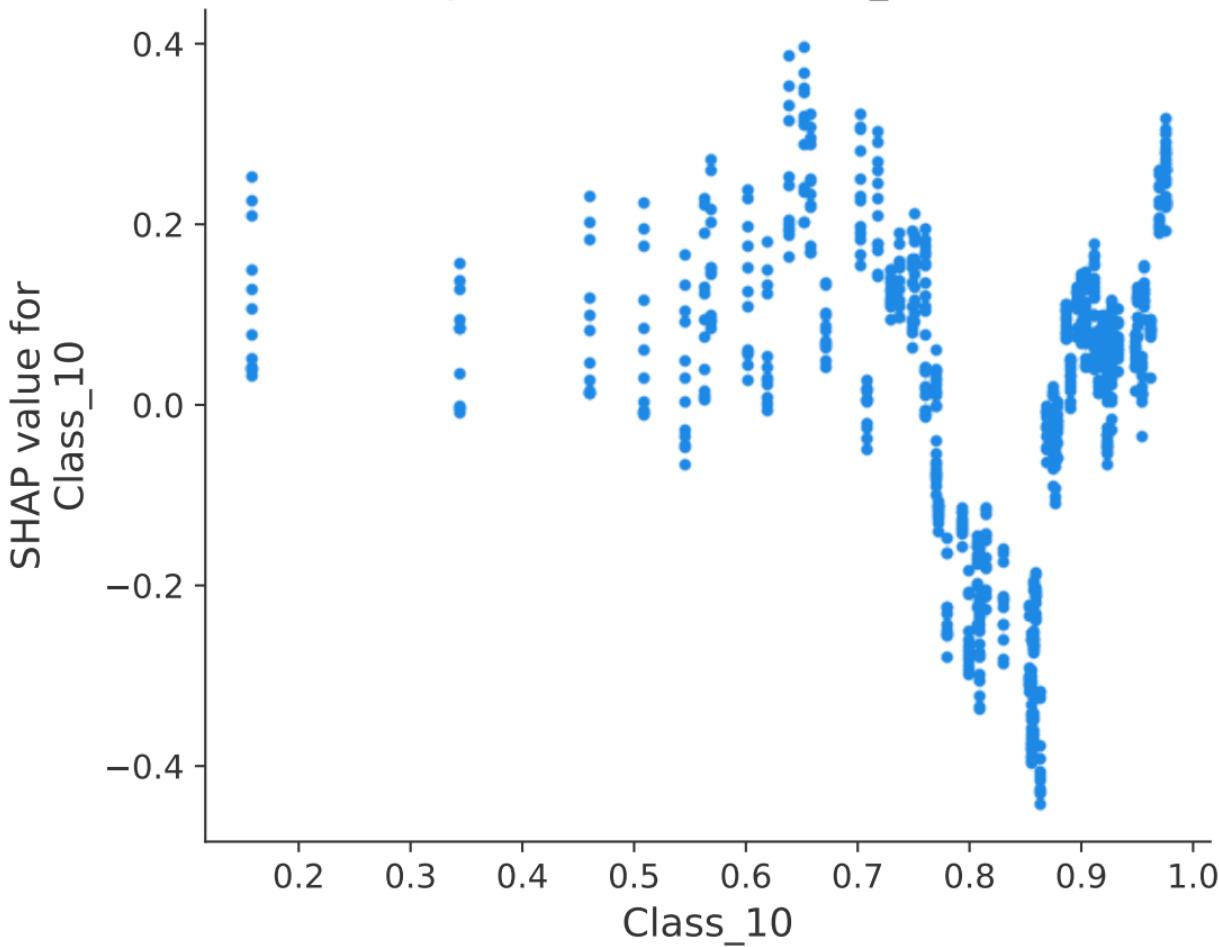


# SHAP Dependence Plot for ANOM4 - Sulawesi

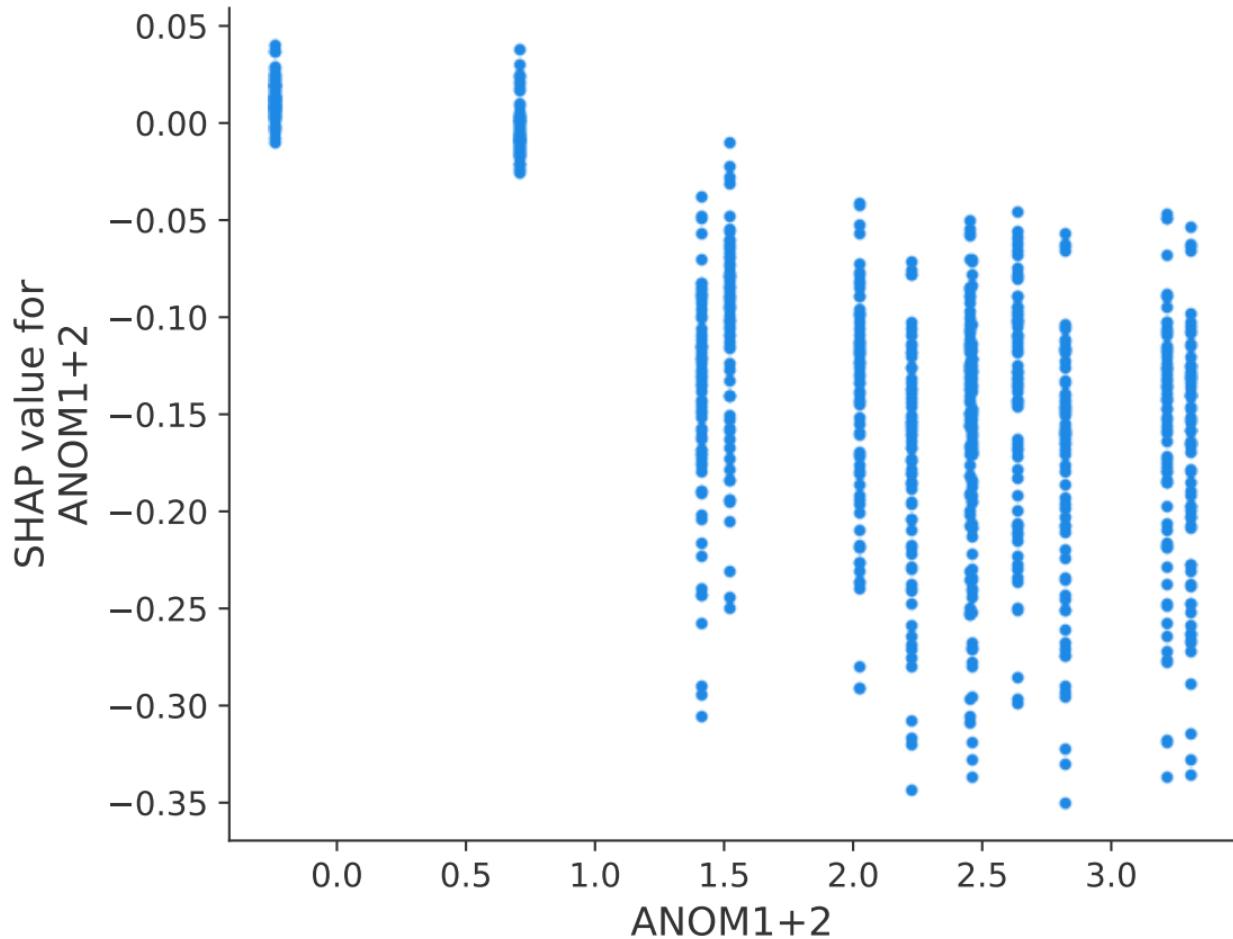
SHAP value for  
ANOM4



# SHAP Dependence Plot for Class\_10 - Sulawesi

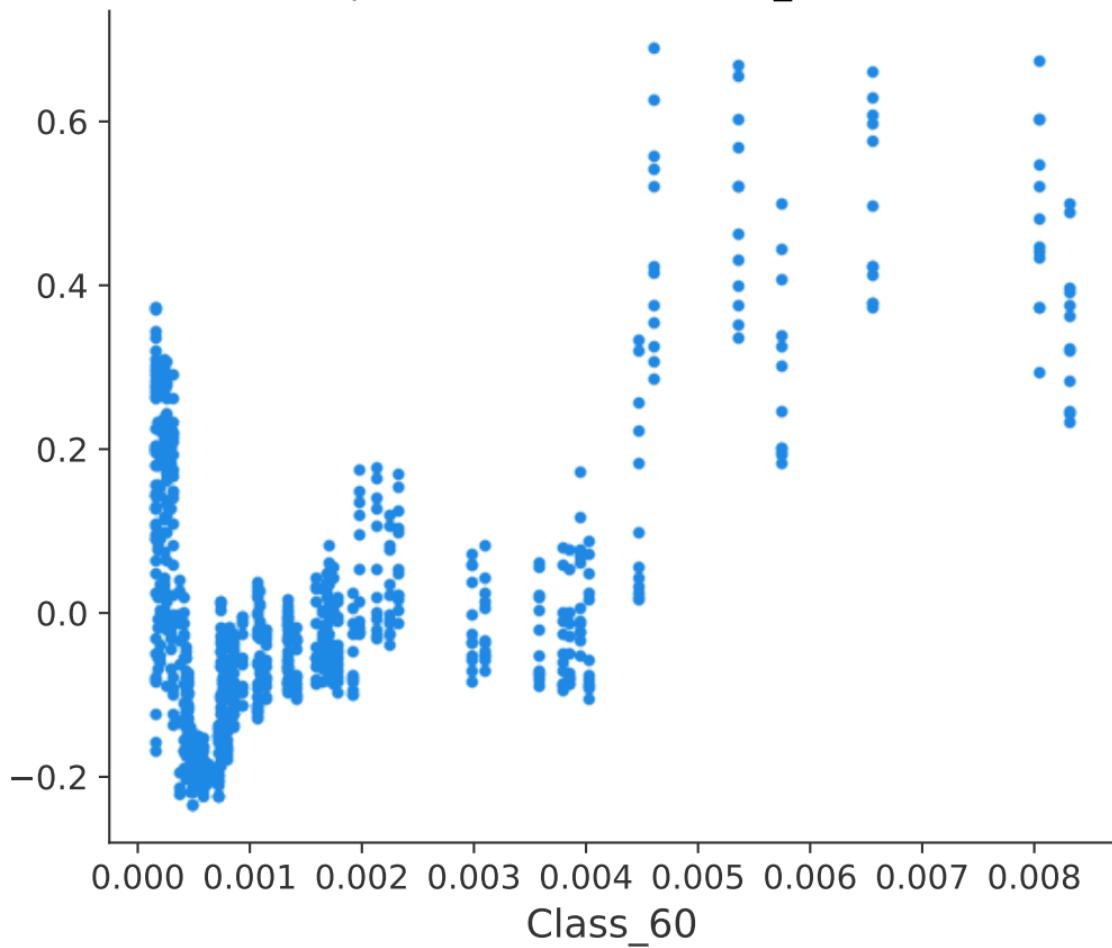


# SHAP Dependence Plot for ANOM1+2 - Sulawesi

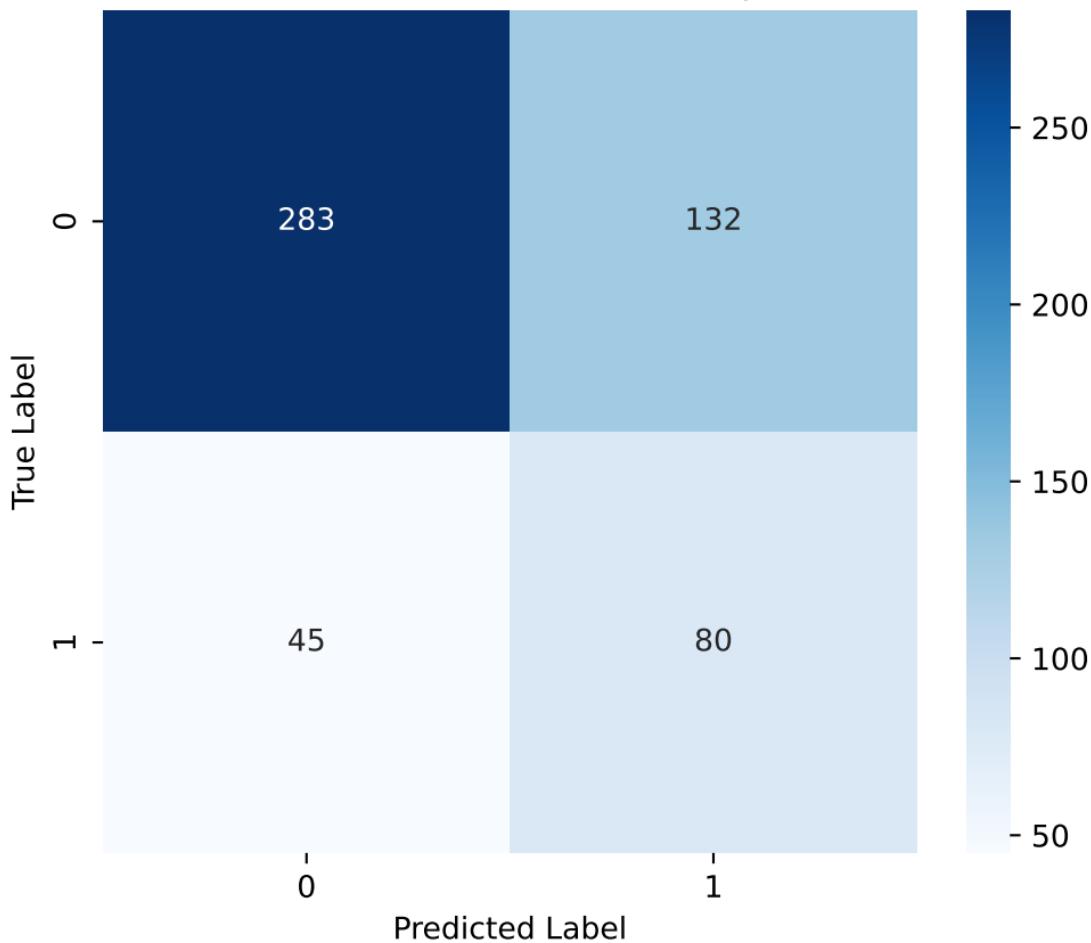


# SHAP Dependence Plot for Class\_60 - Sulawesi

SHAP value for  
Class\_60



### Confusion Matrix - Maluku-Papua



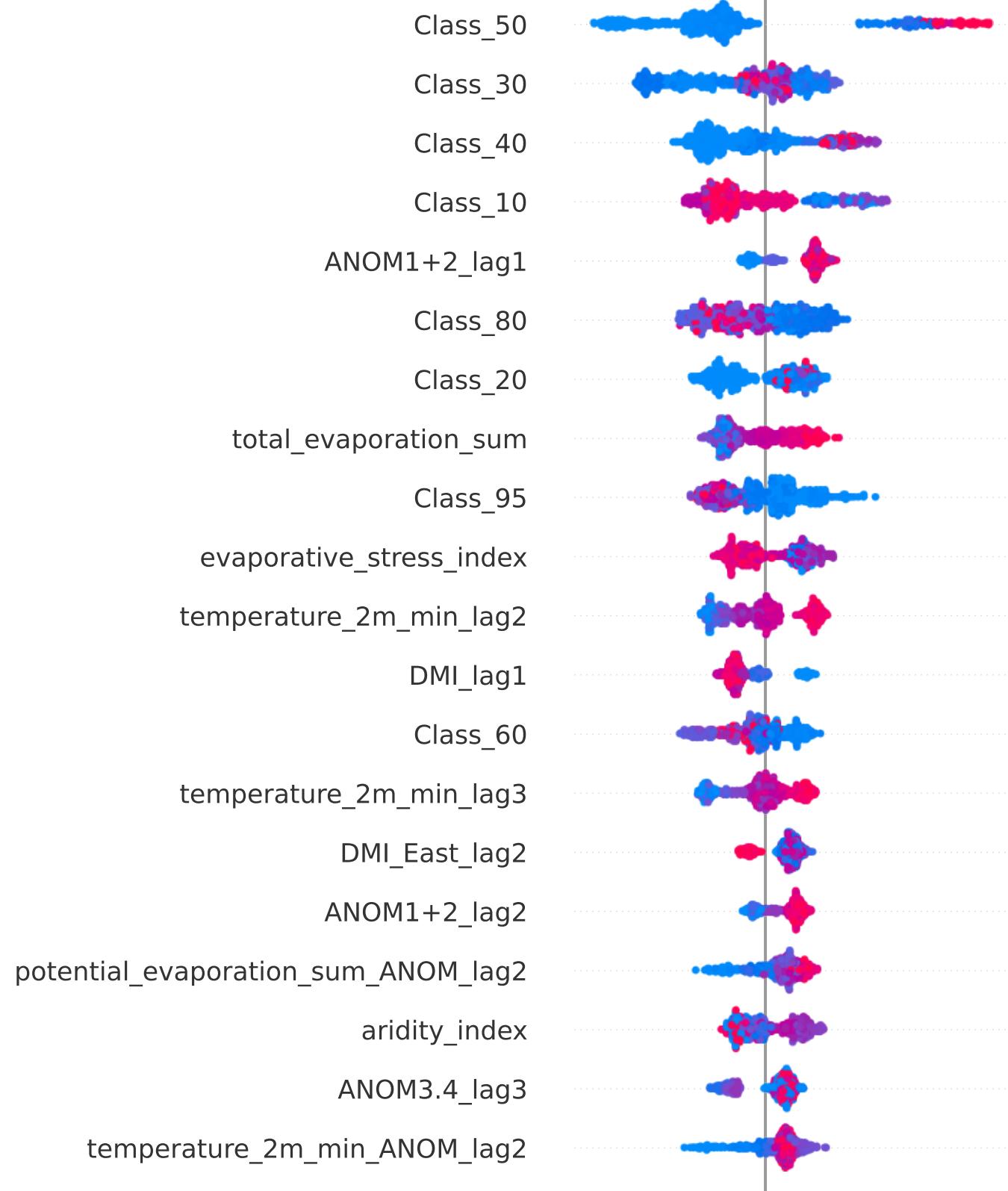
SHAP Beeswarm Plot for Class 0 - Maluku-Papua

High

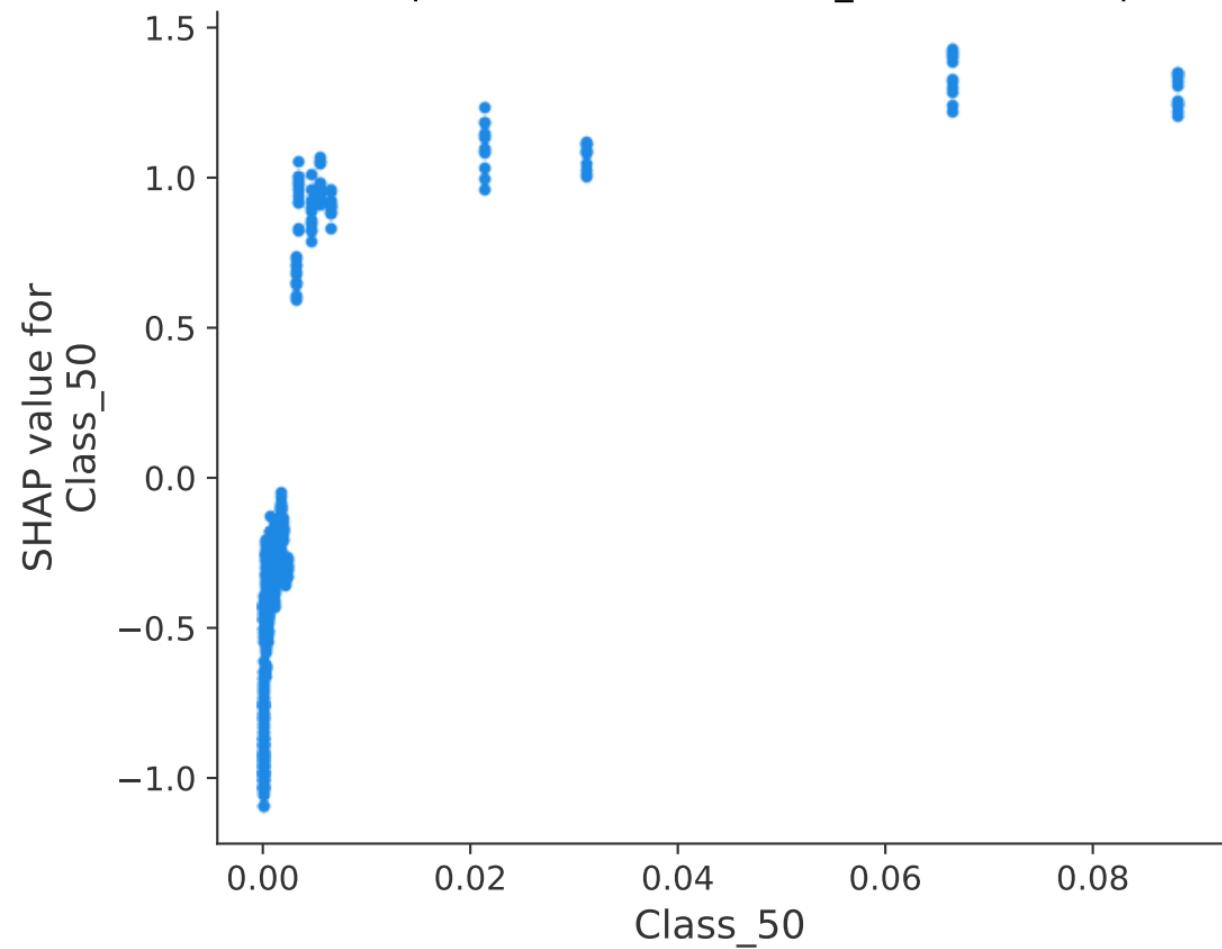
Feature value

Low

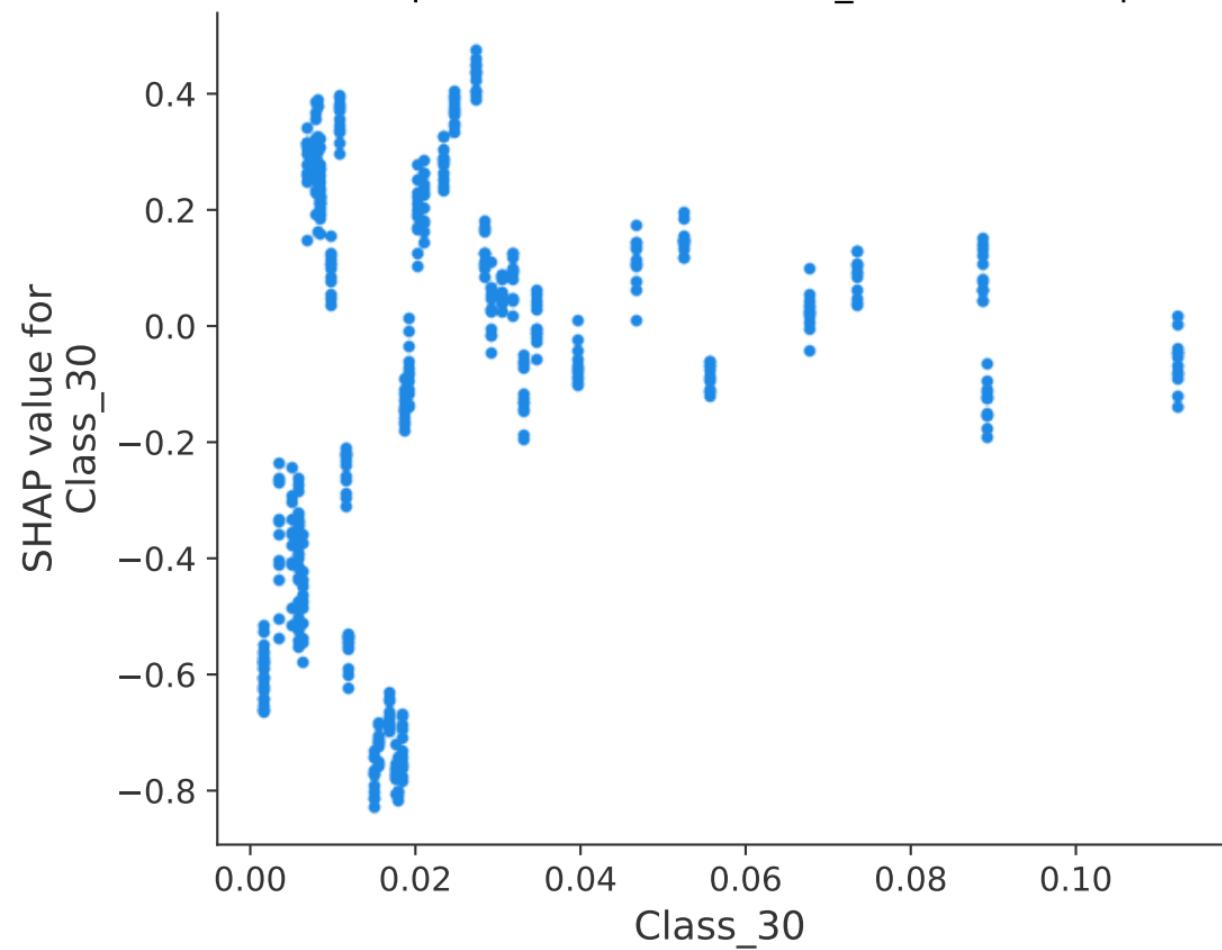
SHAP value (impact on model output)



# SHAP Dependence Plot for Class\_50 - Maluku-Papua

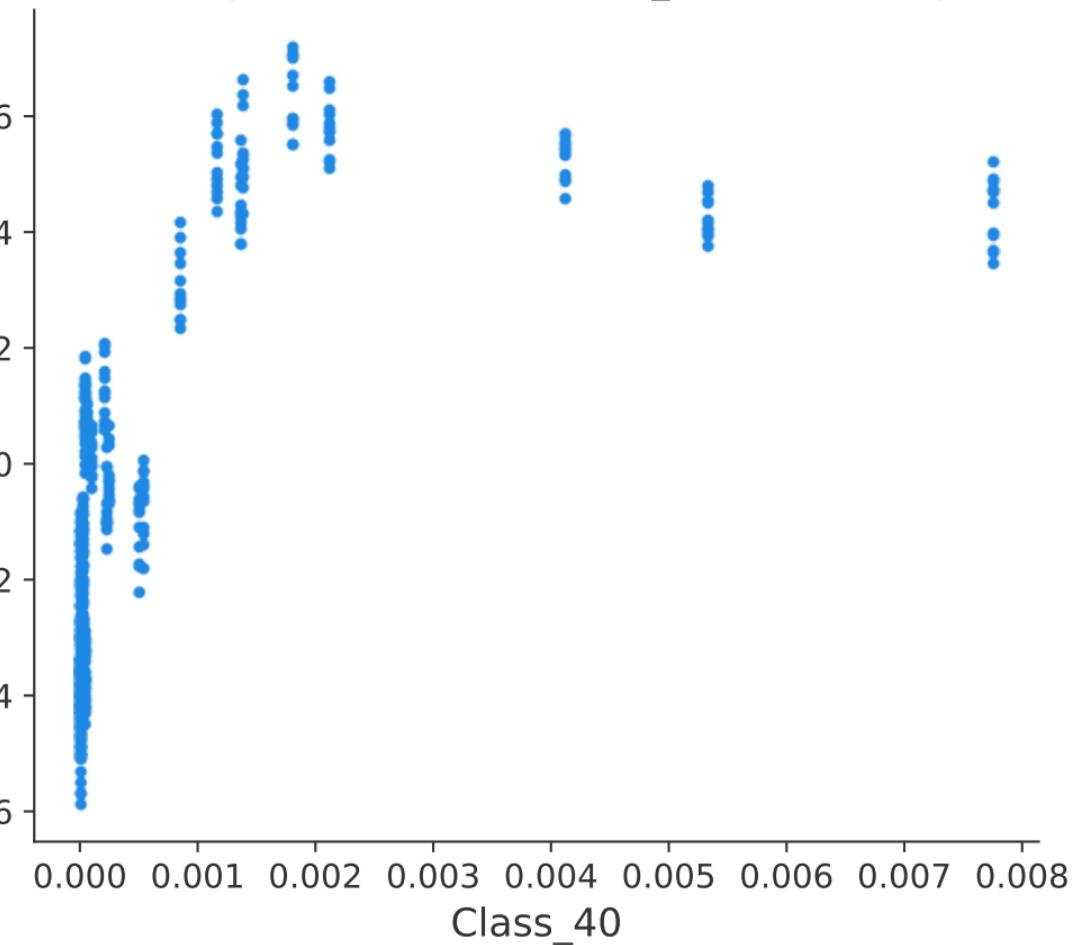


# SHAP Dependence Plot for Class\_30 - Maluku-Papua

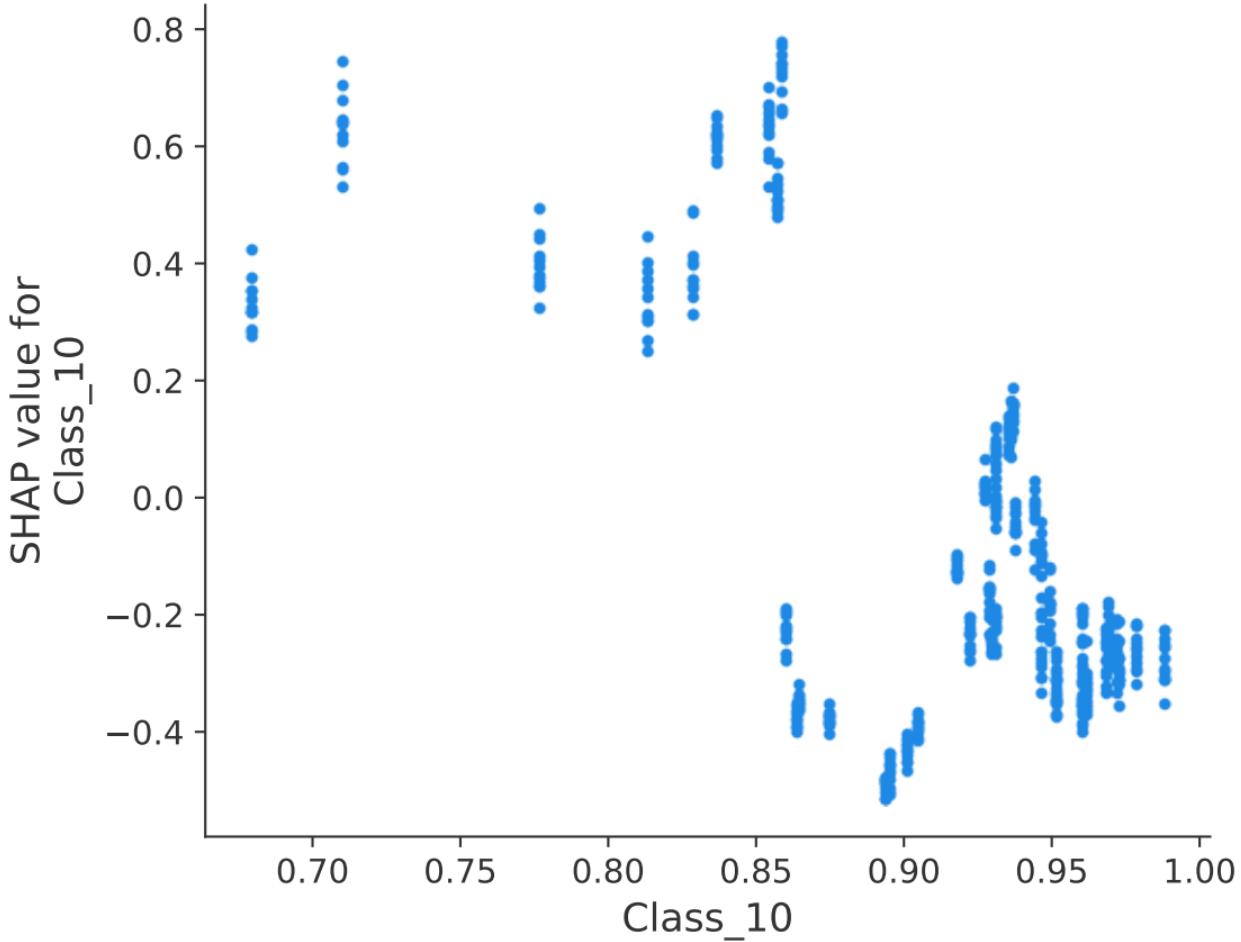


# SHAP Dependence Plot for Class\_40 - Maluku-Papua

SHAP value for  
Class\_40

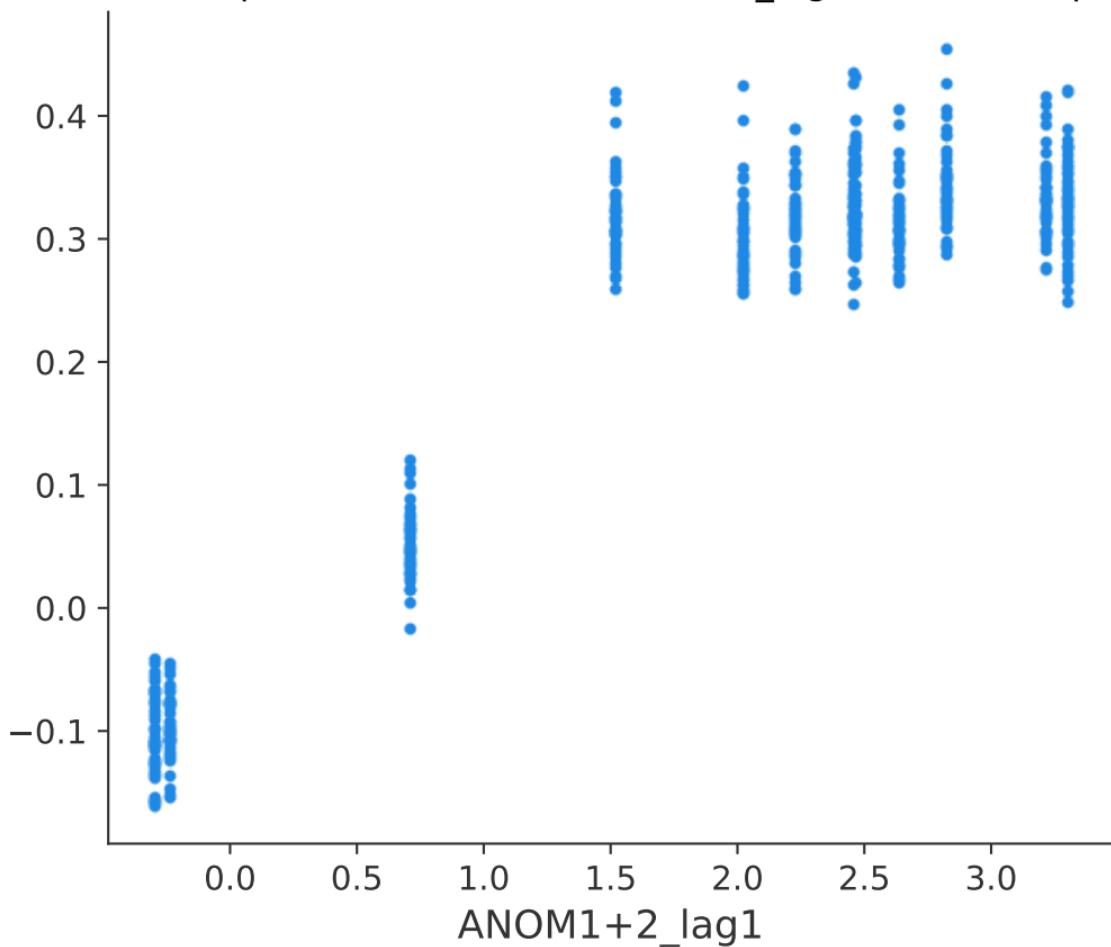


# SHAP Dependence Plot for Class\_10 - Maluku-Papua

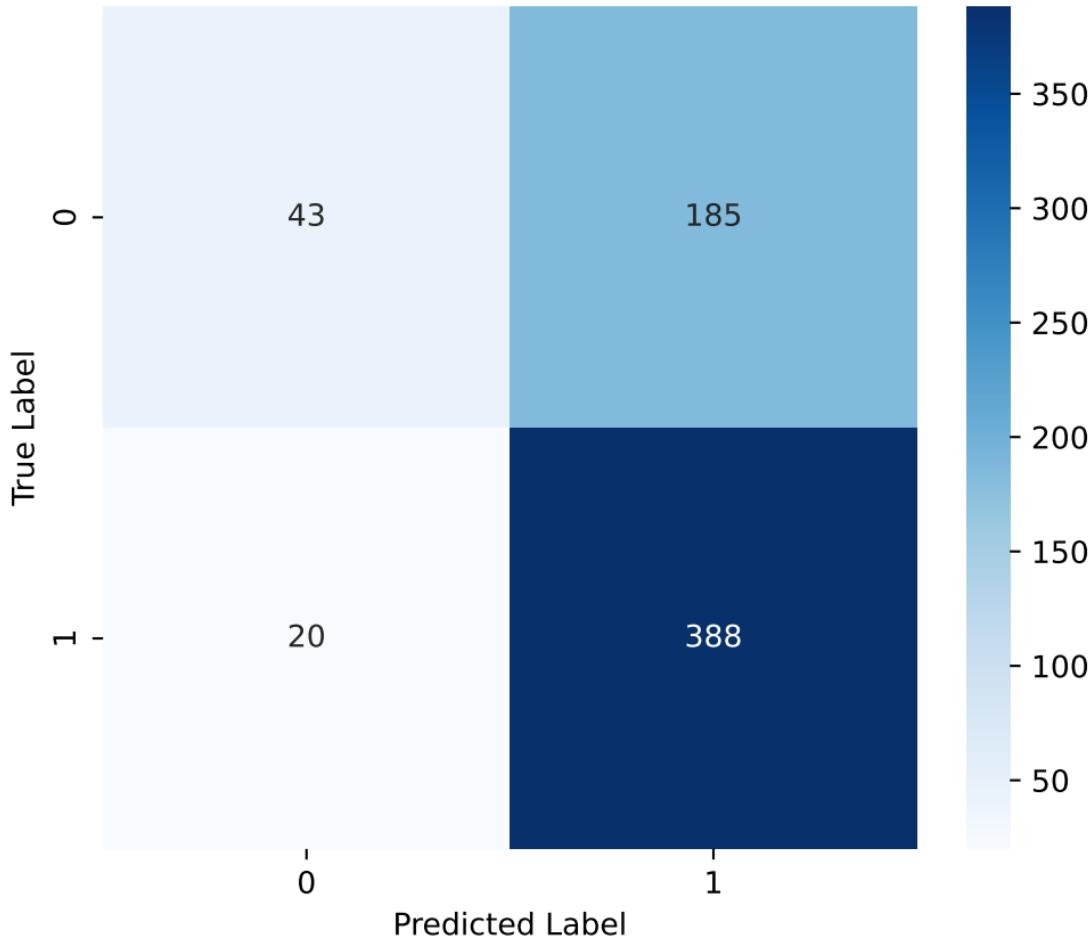


# SHAP Dependence Plot for ANOM1+2\_lag1 - Maluku-Papua

SHAP value for  
ANOM1+2\_lag1



# Confusion Matrix - Kalimantan



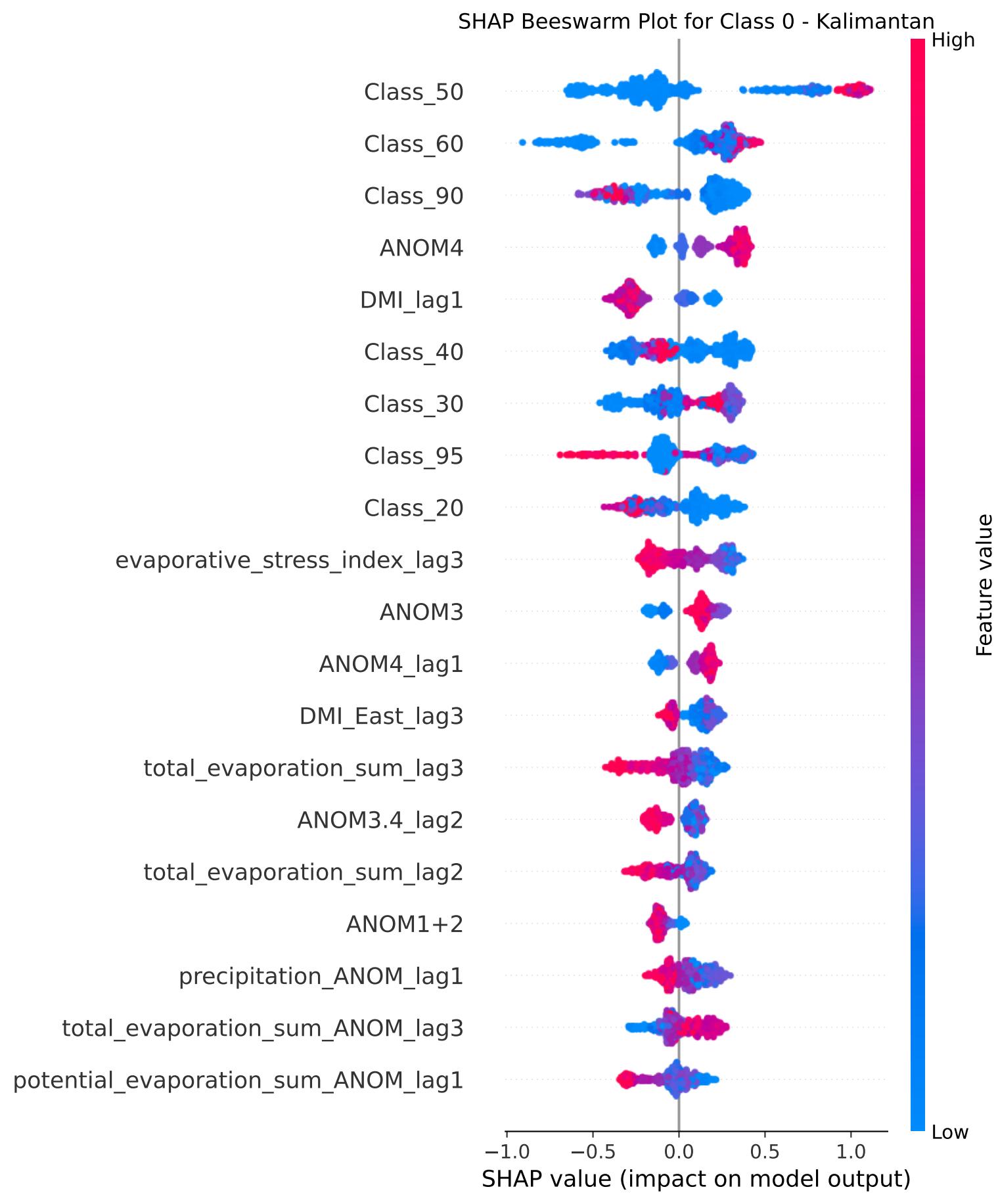
SHAP Beeswarm Plot for Class 0 - Kalimantan

High

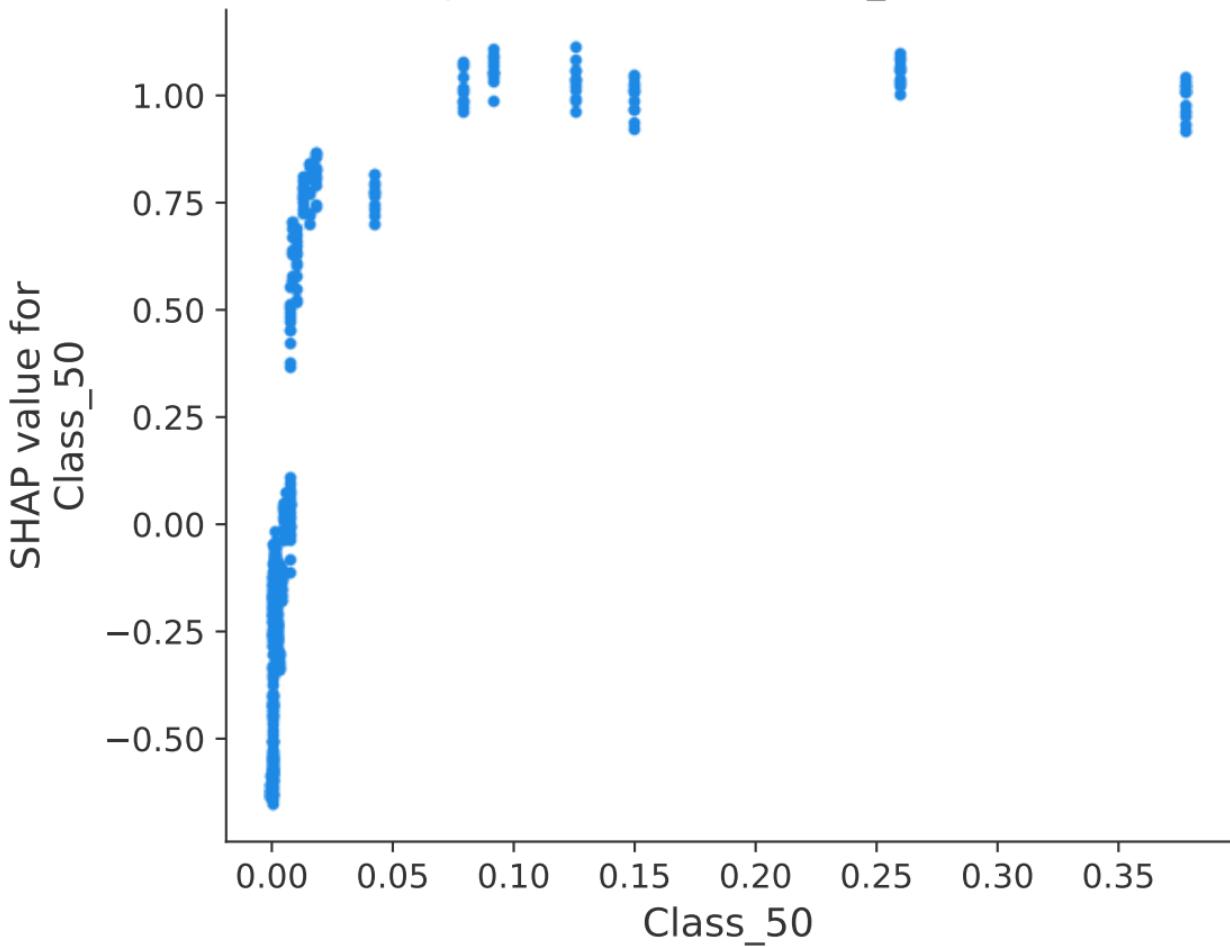
Feature value

Low

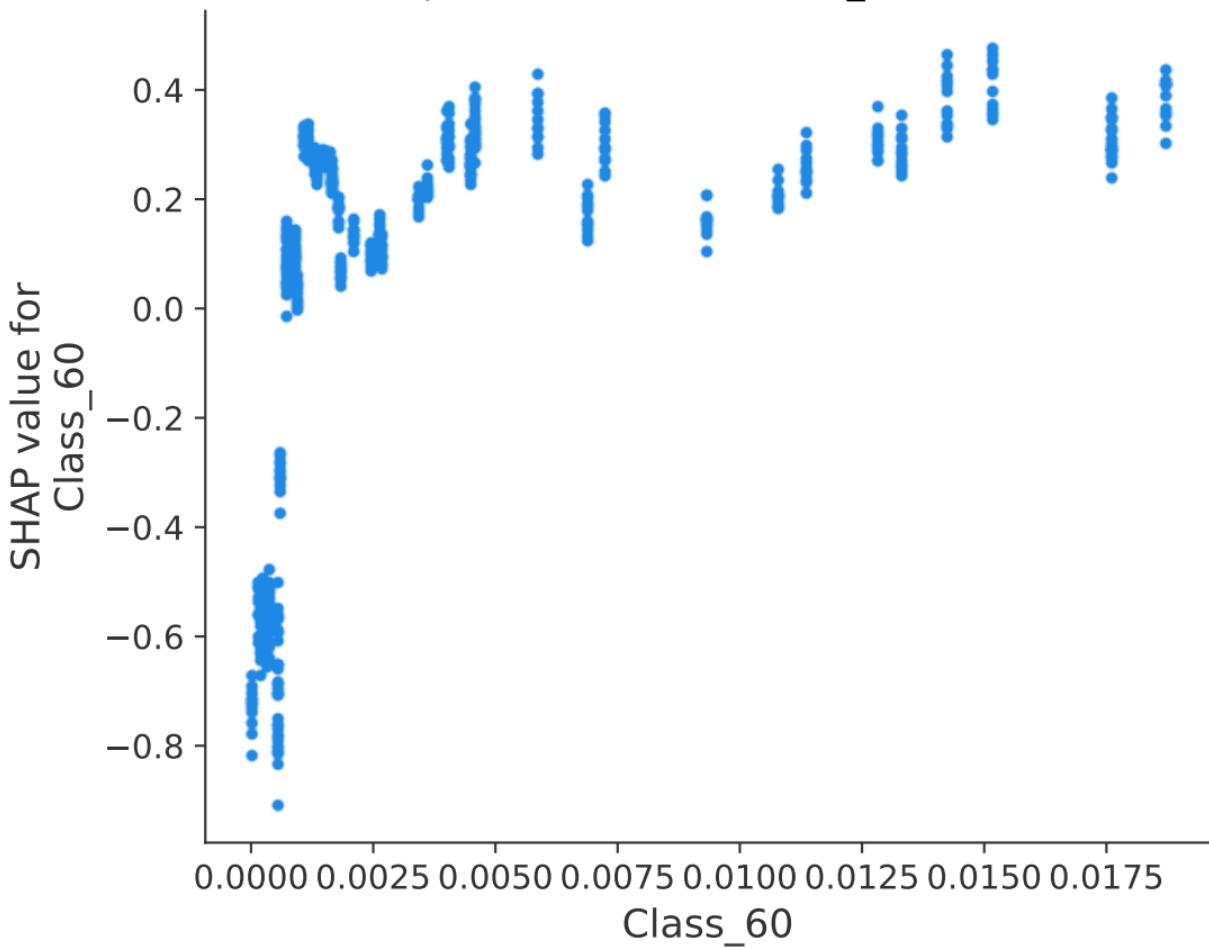
SHAP value (impact on model output)



# SHAP Dependence Plot for Class\_50 - Kalimantan



# SHAP Dependence Plot for Class\_60 - Kalimantan



# SHAP Dependence Plot for Class\_90 - Kalimantan

SHAP value for  
Class\_90

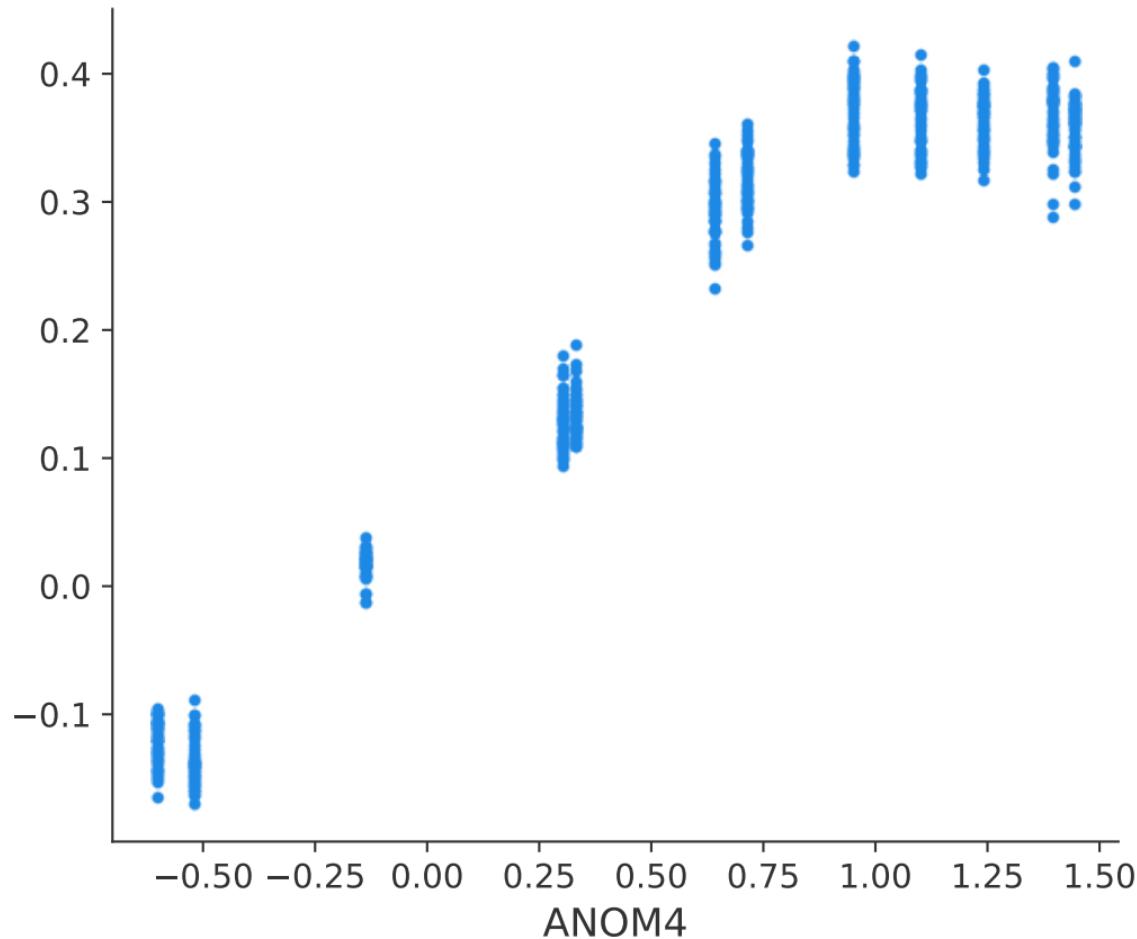
0.000 0.025 0.050 0.075 0.100 0.125 0.150 0.175 0.200

Class\_90

0.4  
0.2  
0.0  
-0.2  
-0.4  
-0.6

# SHAP Dependence Plot for ANOM4 - Kalimantan

SHAP value for  
ANOM4



# SHAP Dependence Plot for DMI\_lag1 - Kalimantan

