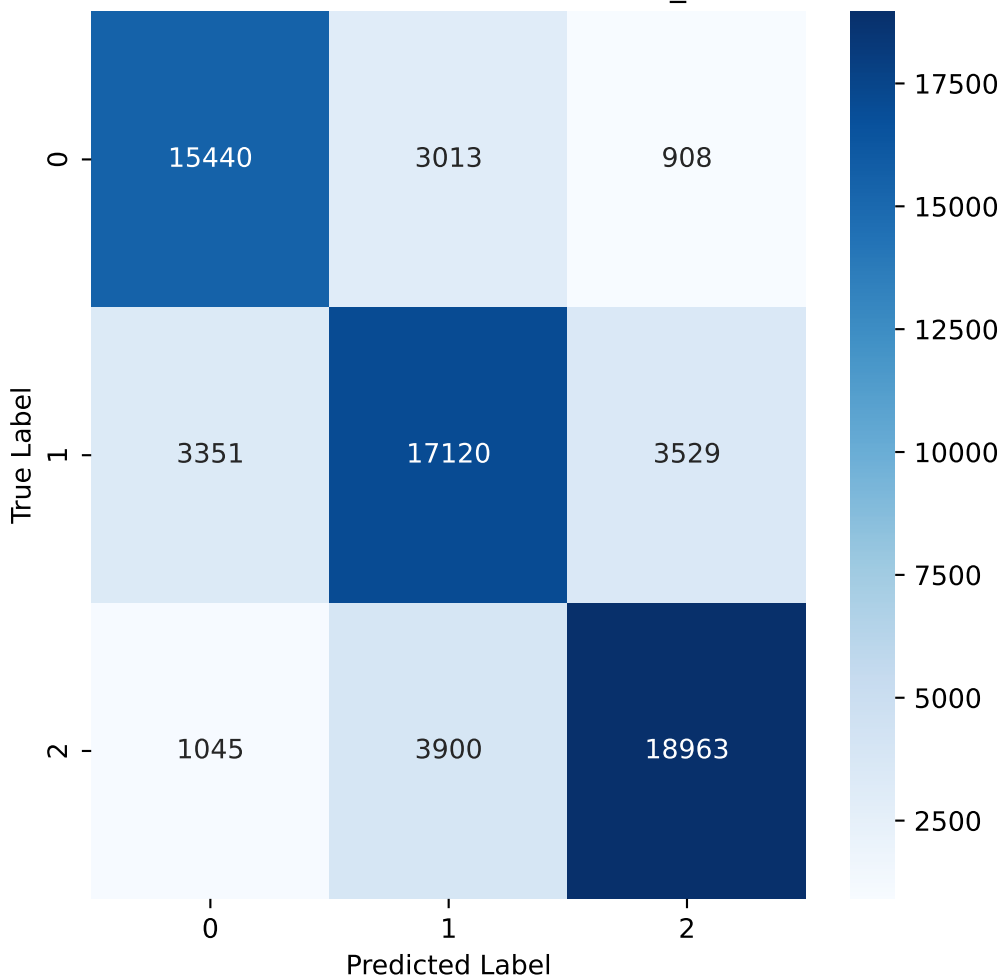
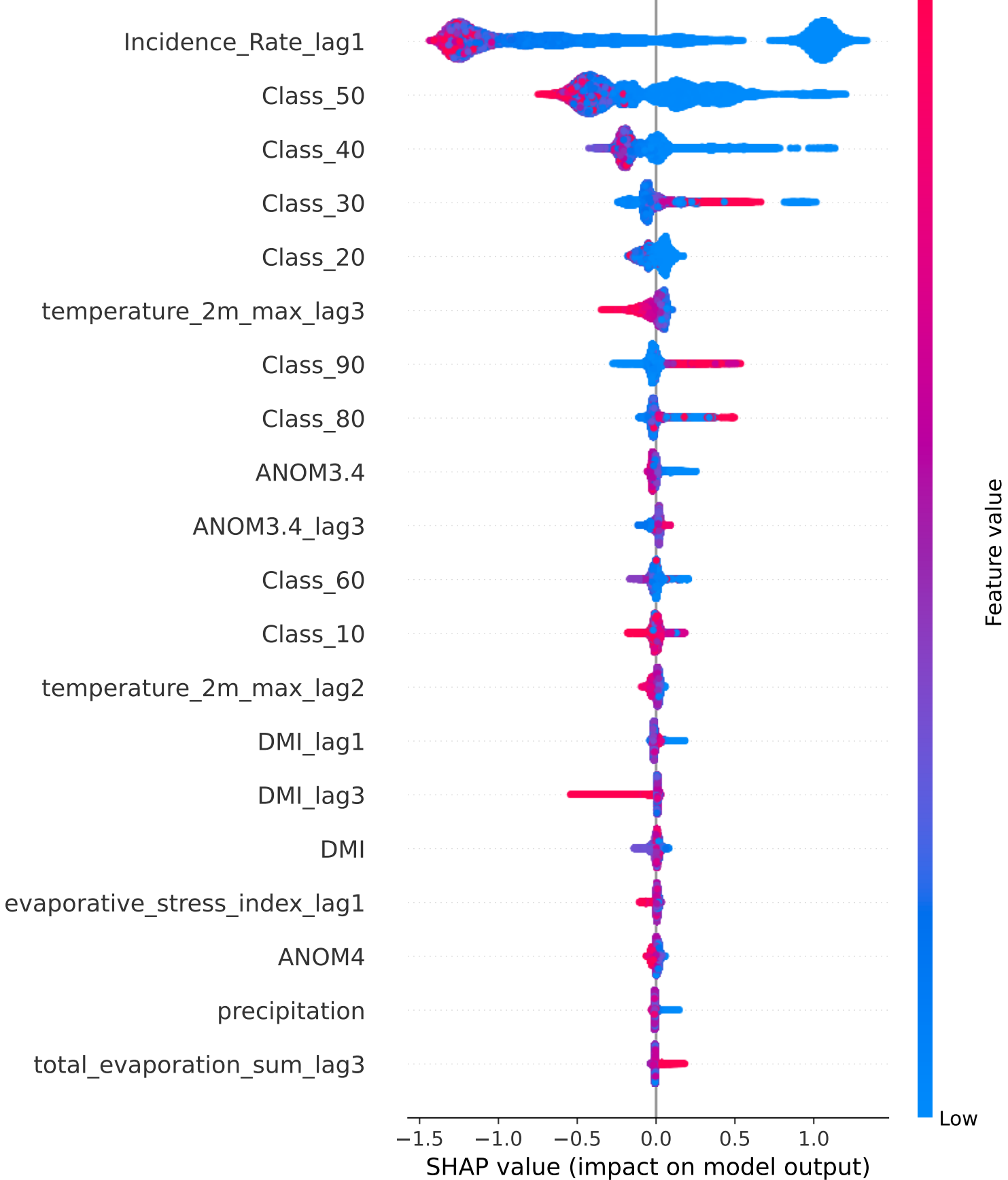


Confusion Matrix - Nationwide (Train\_Val Set)



SHAP Beeswarm Plot for Class 0 - Nationwide (Train\_Val Set)

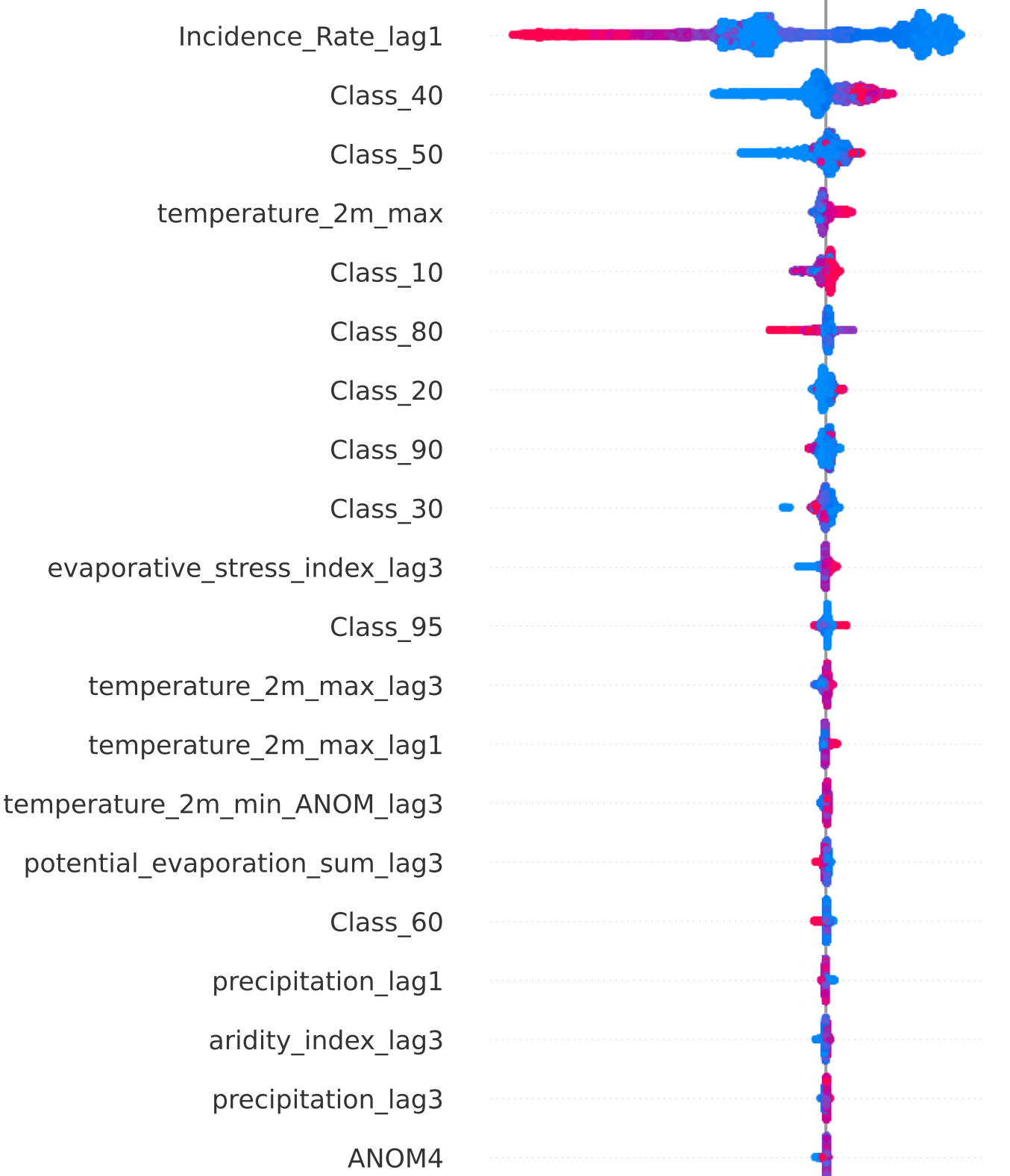


SHAP Beeswarm Plot for Class 1 - Nationwide (Train\_Val Set)

High

Feature value

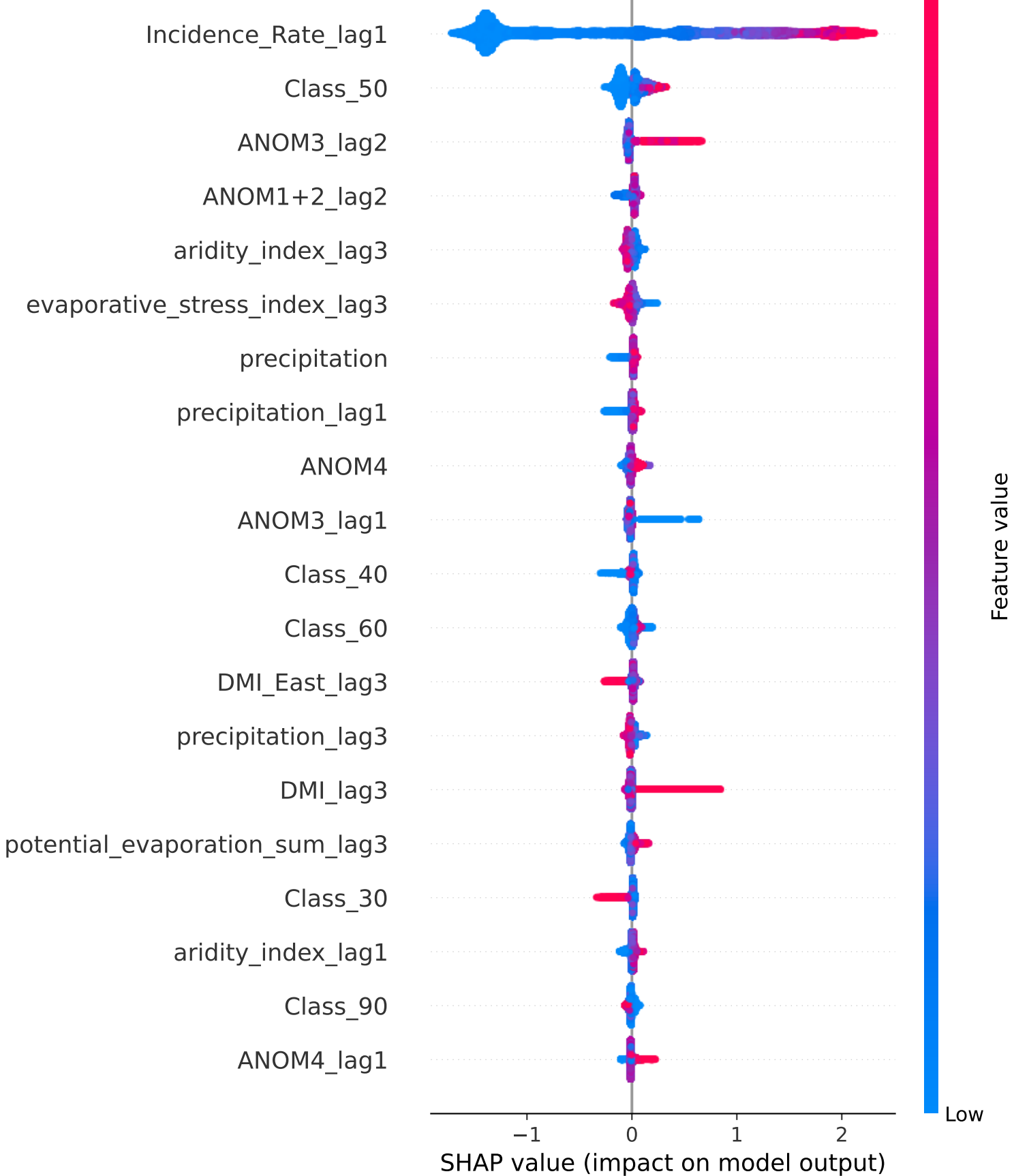
Low



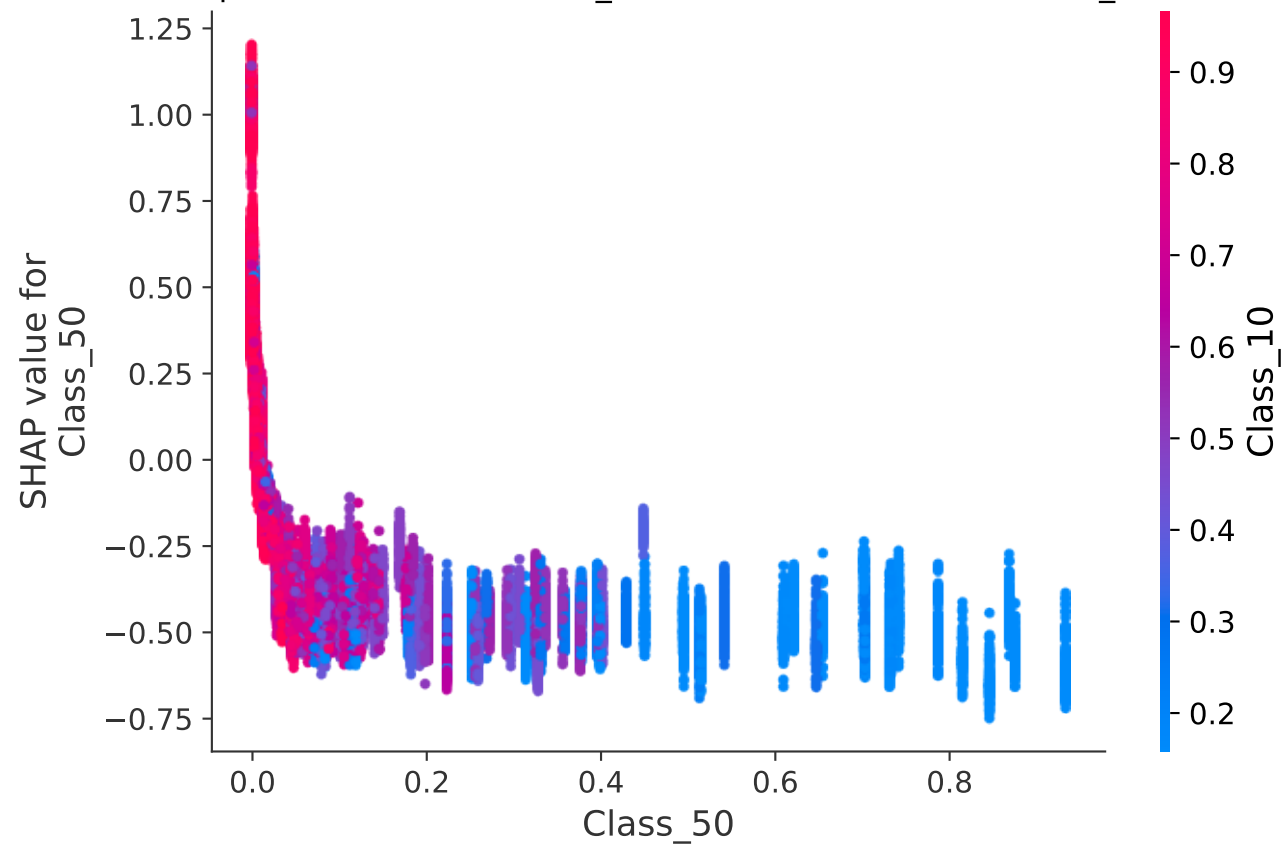
-2.0 -1.5 -1.0 -0.5 0.0 0.5

SHAP value (impact on model output)

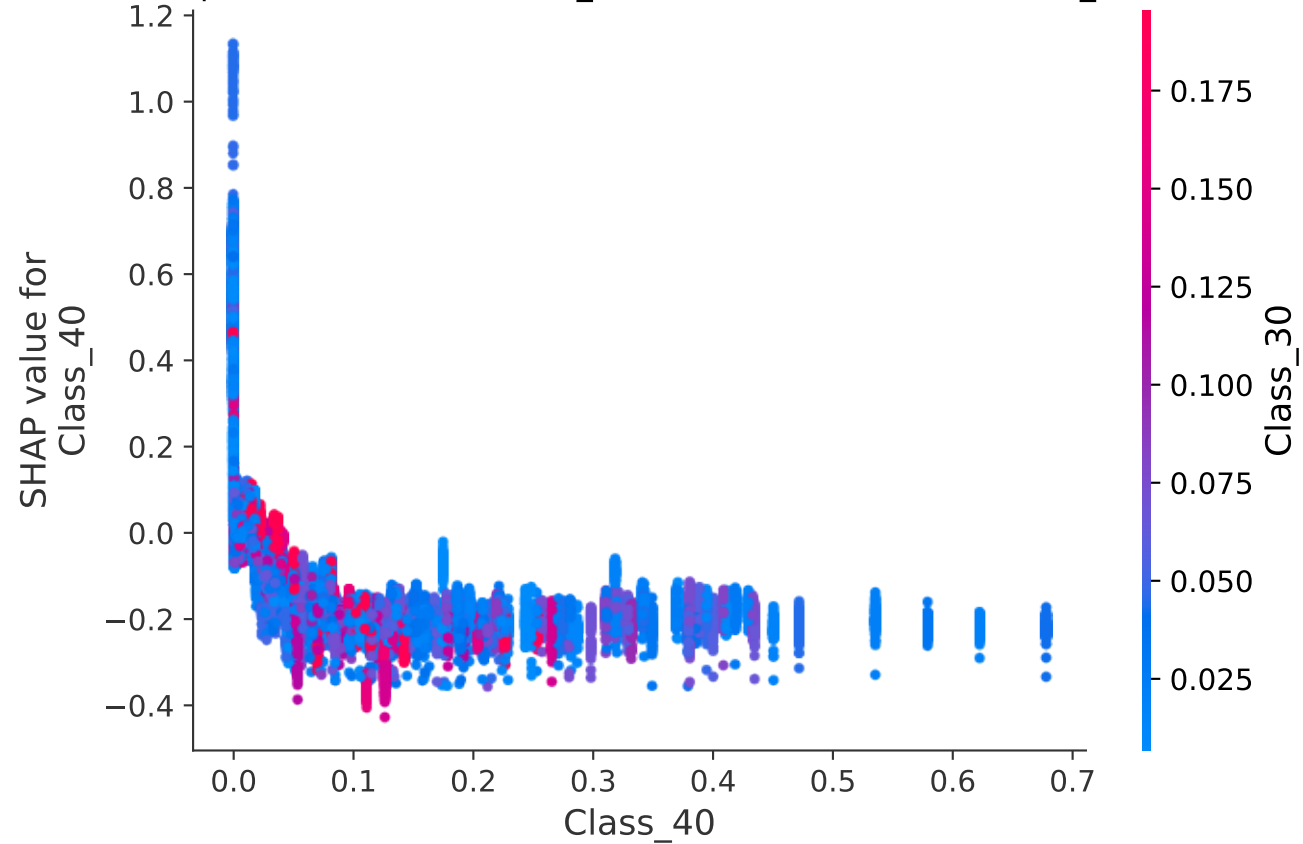
# SHAP Beeswarm Plot for Class 2 - Nationwide (Train\_Val Set)



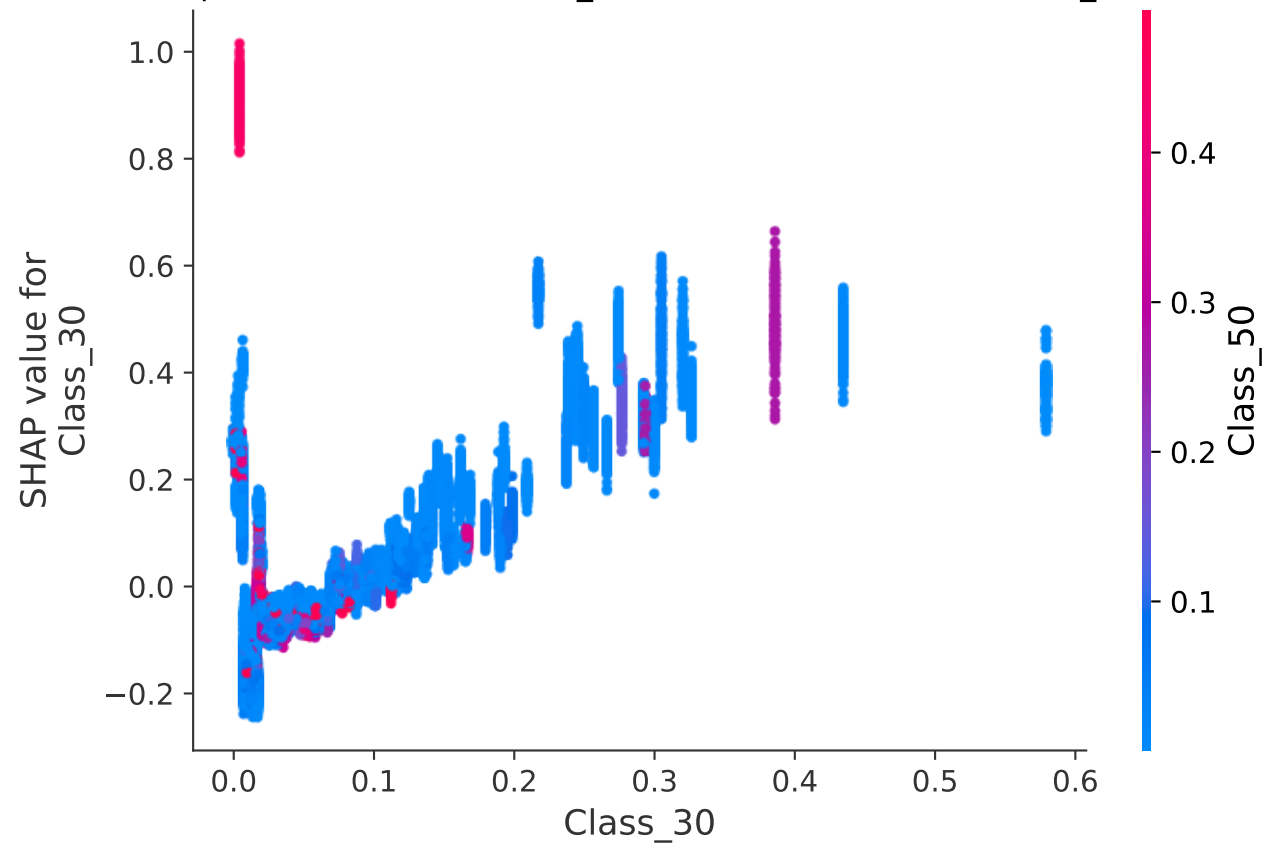
SHAP Dependence Plot for Class\_50, Class 0 - Nationwide (Train\_Val Set)



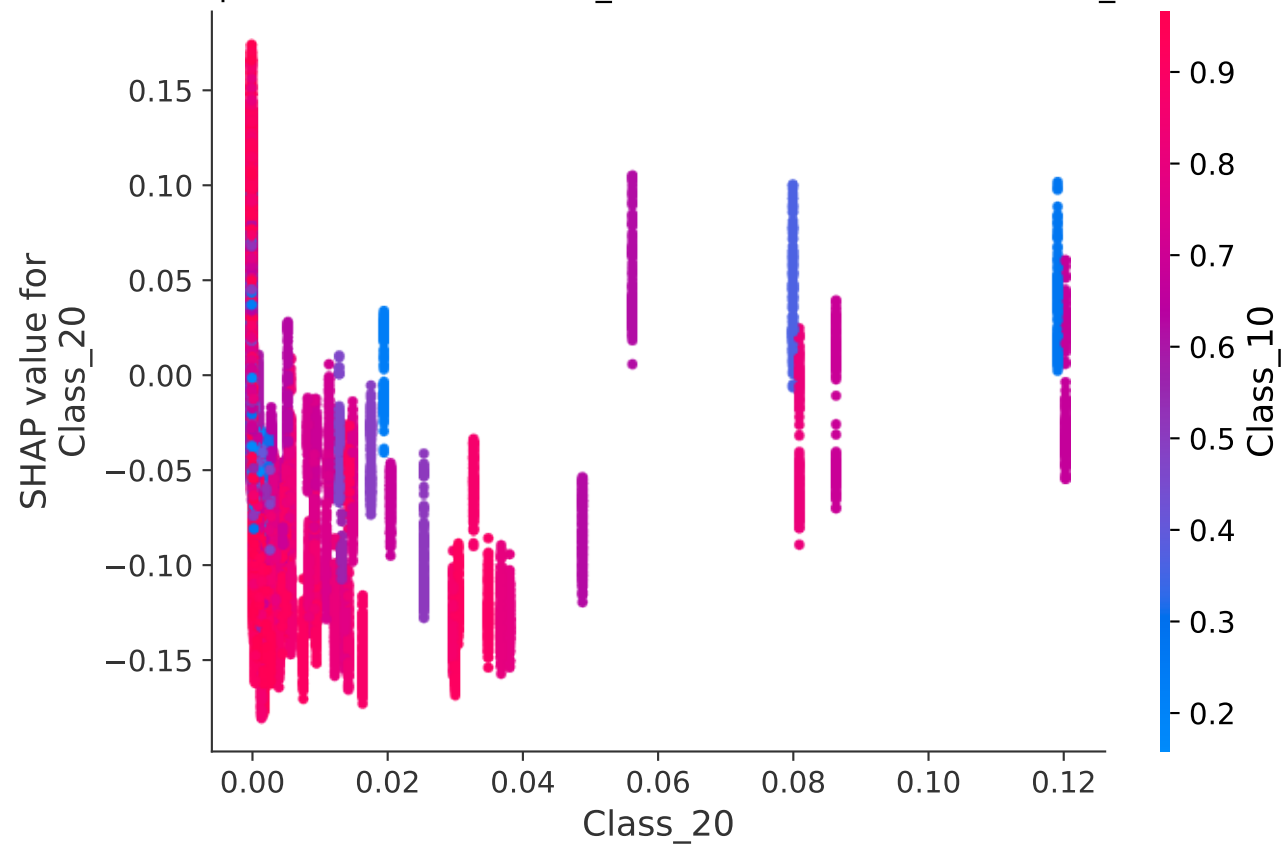
SHAP Dependence Plot for Class\_40, Class 0 - Nationwide (Train\_Val Set)



SHAP Dependence Plot for Class\_30, Class 0 - Nationwide (Train\_Val Set)

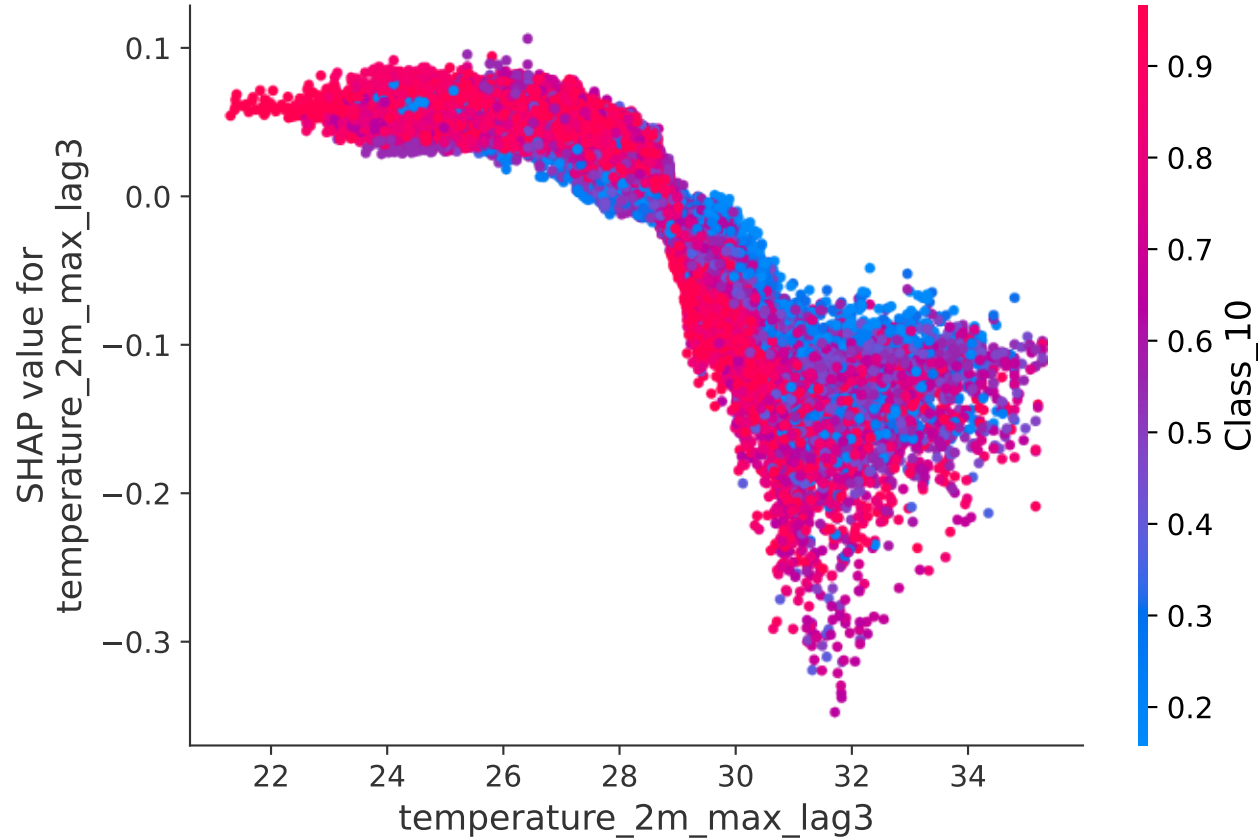


SHAP Dependence Plot for Class\_20, Class 0 - Nationwide (Train\_Val Set)

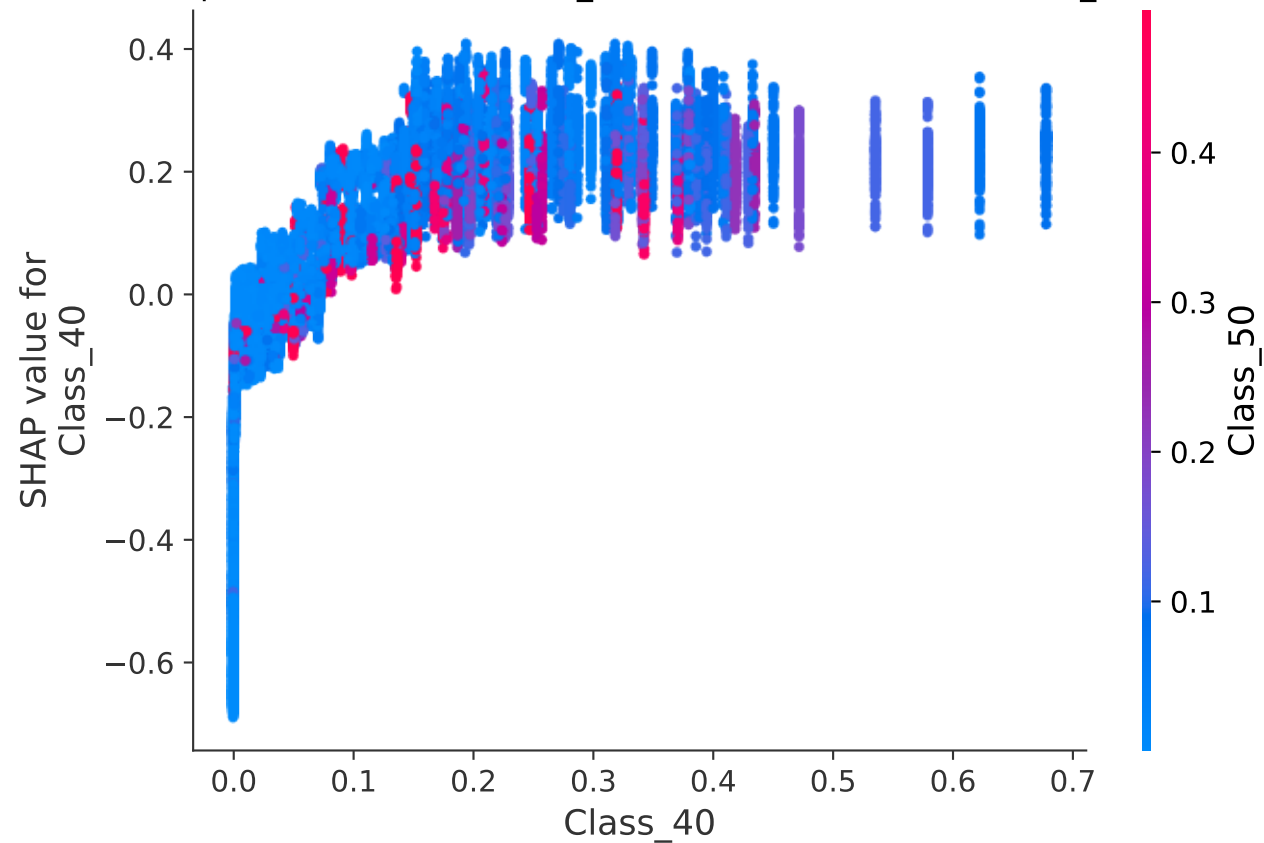




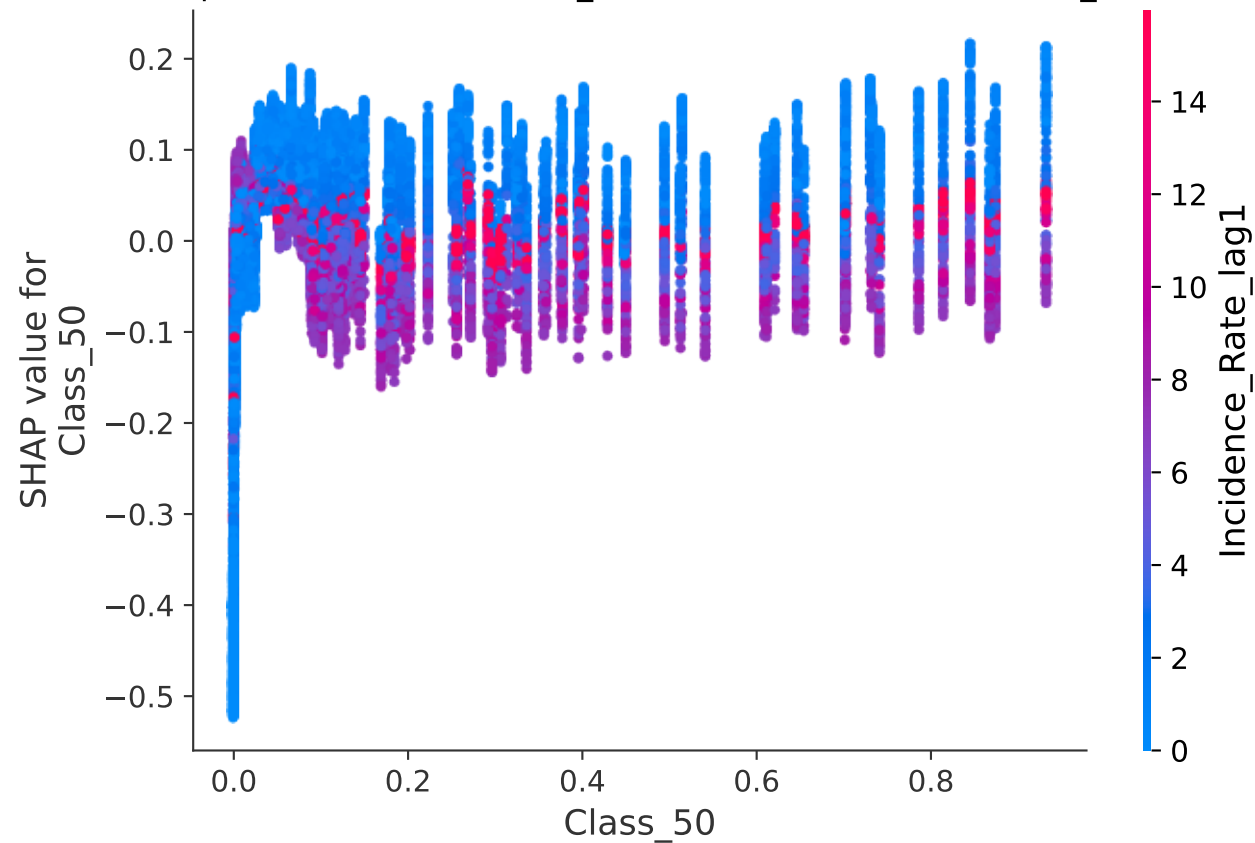
SHAP Dependence Plot for temperature\_2m\_max\_lag3, Class 0 - Nationwide (Train\_Val Set)



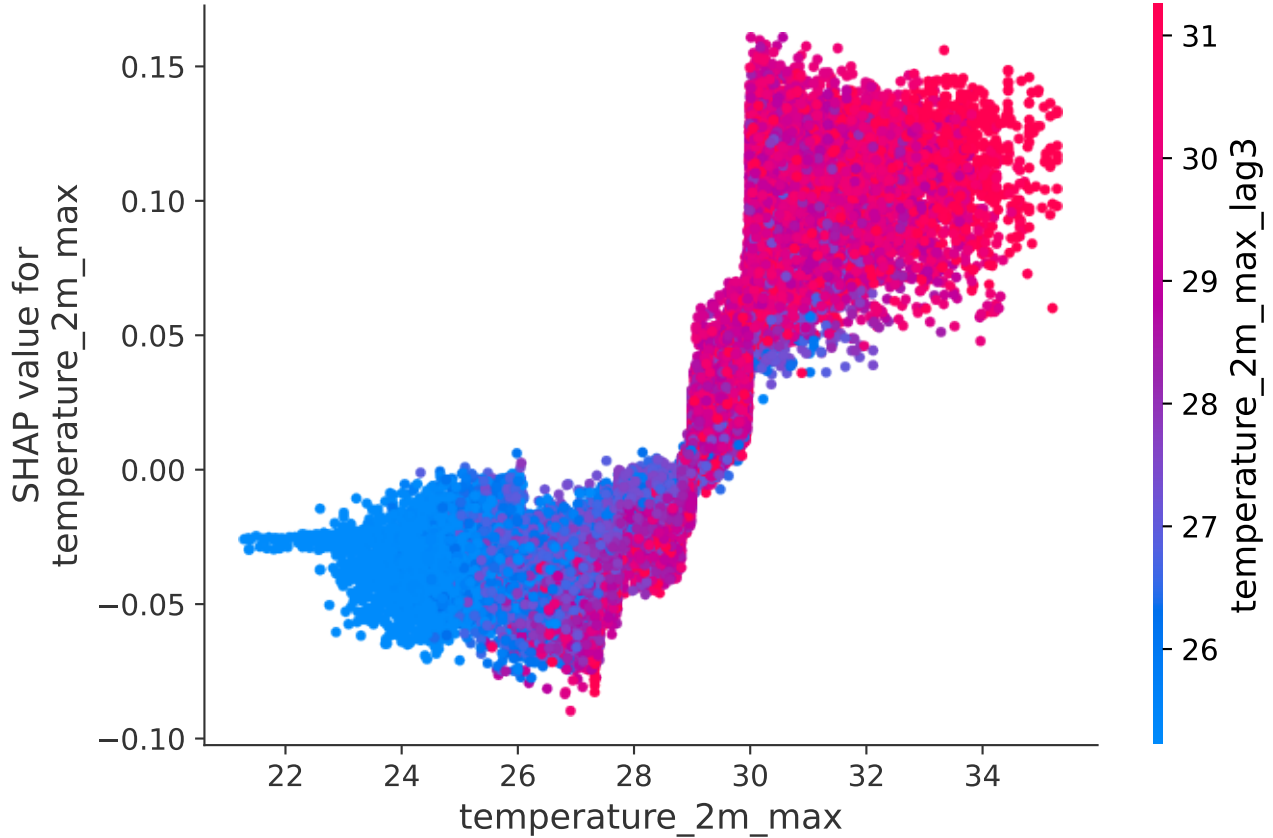
SHAP Dependence Plot for Class\_40, Class 1 - Nationwide (Train\_Val Set)



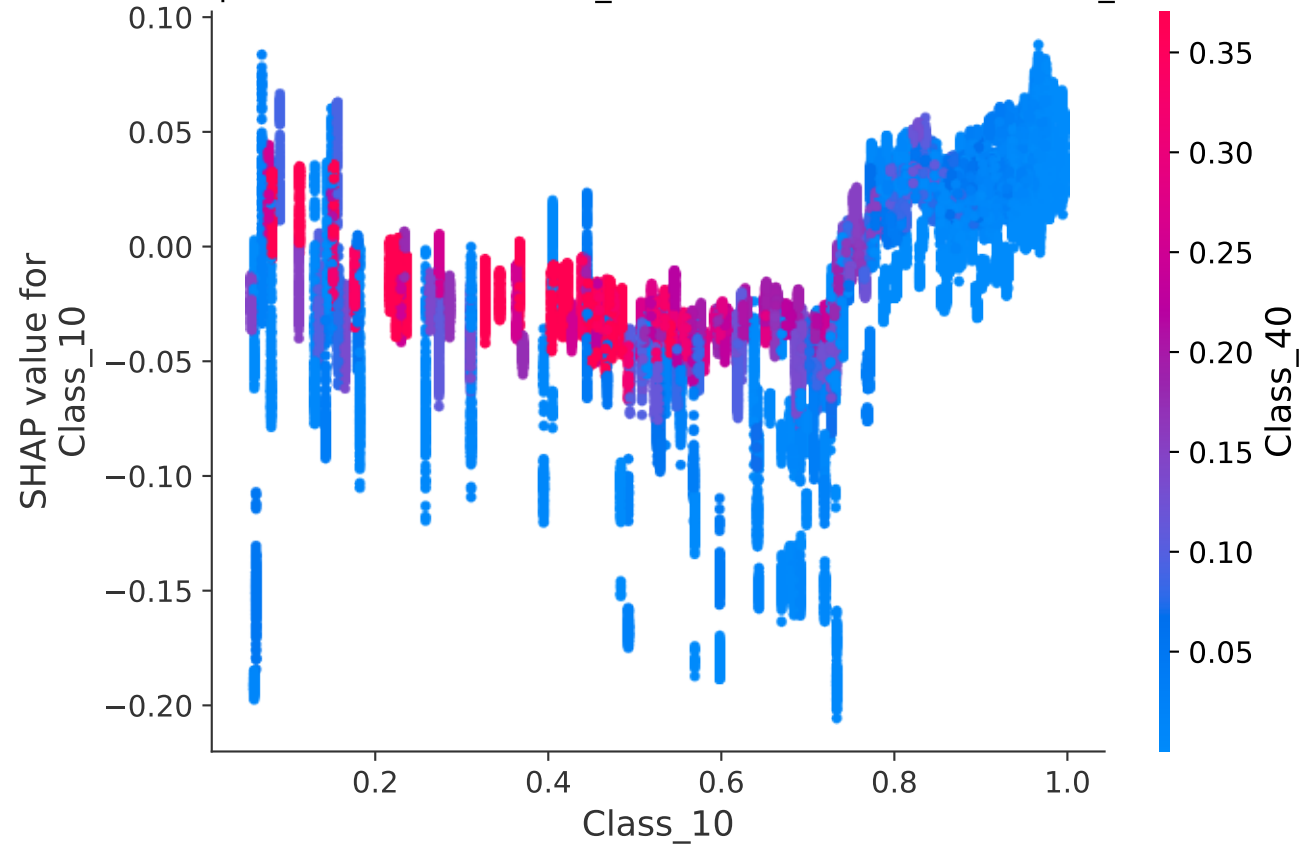
SHAP Dependence Plot for Class\_50, Class 1 - Nationwide (Train\_Val Set)



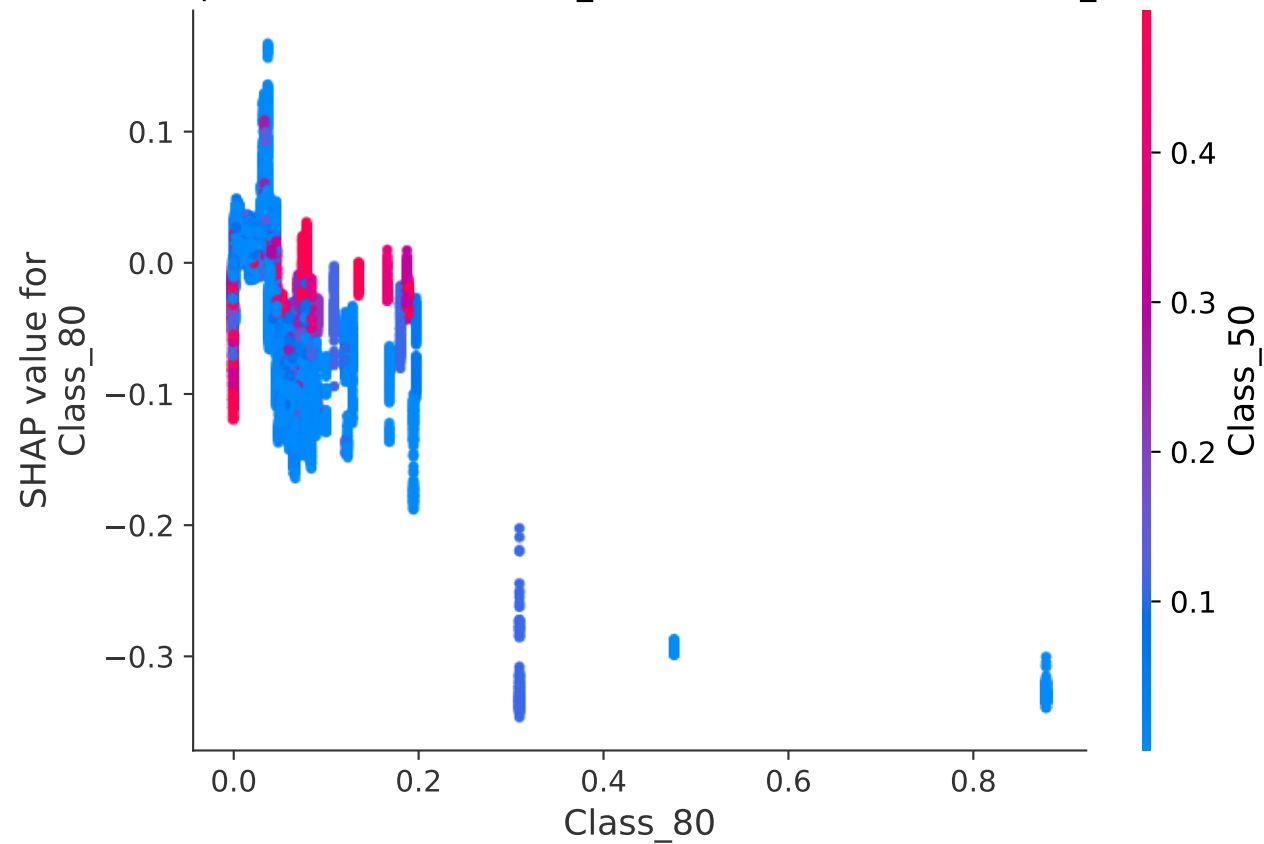
SHAP Dependence Plot for temperature\_2m\_max, Class 1 - Nationwide (Train\_Val Set)



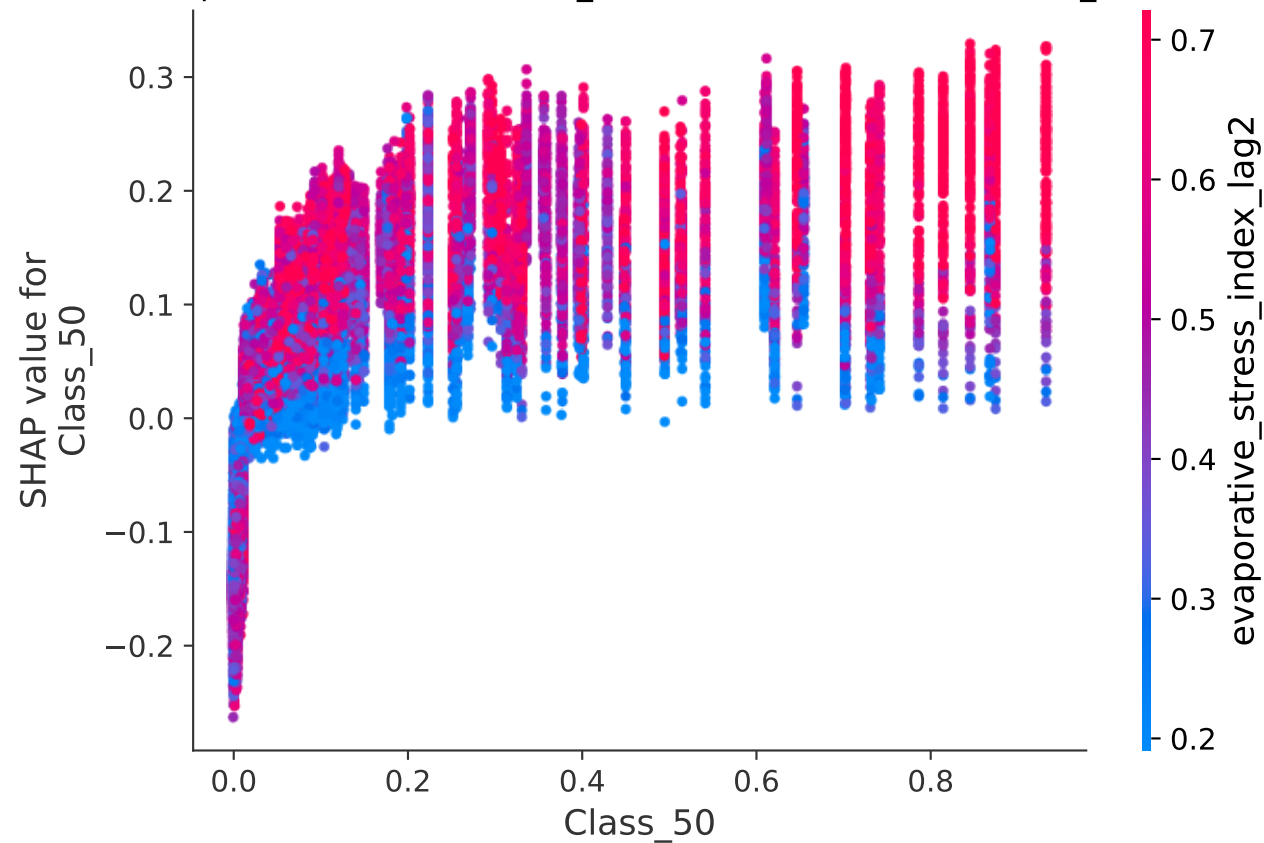
SHAP Dependence Plot for Class\_10, Class 1 - Nationwide (Train\_Val Set)



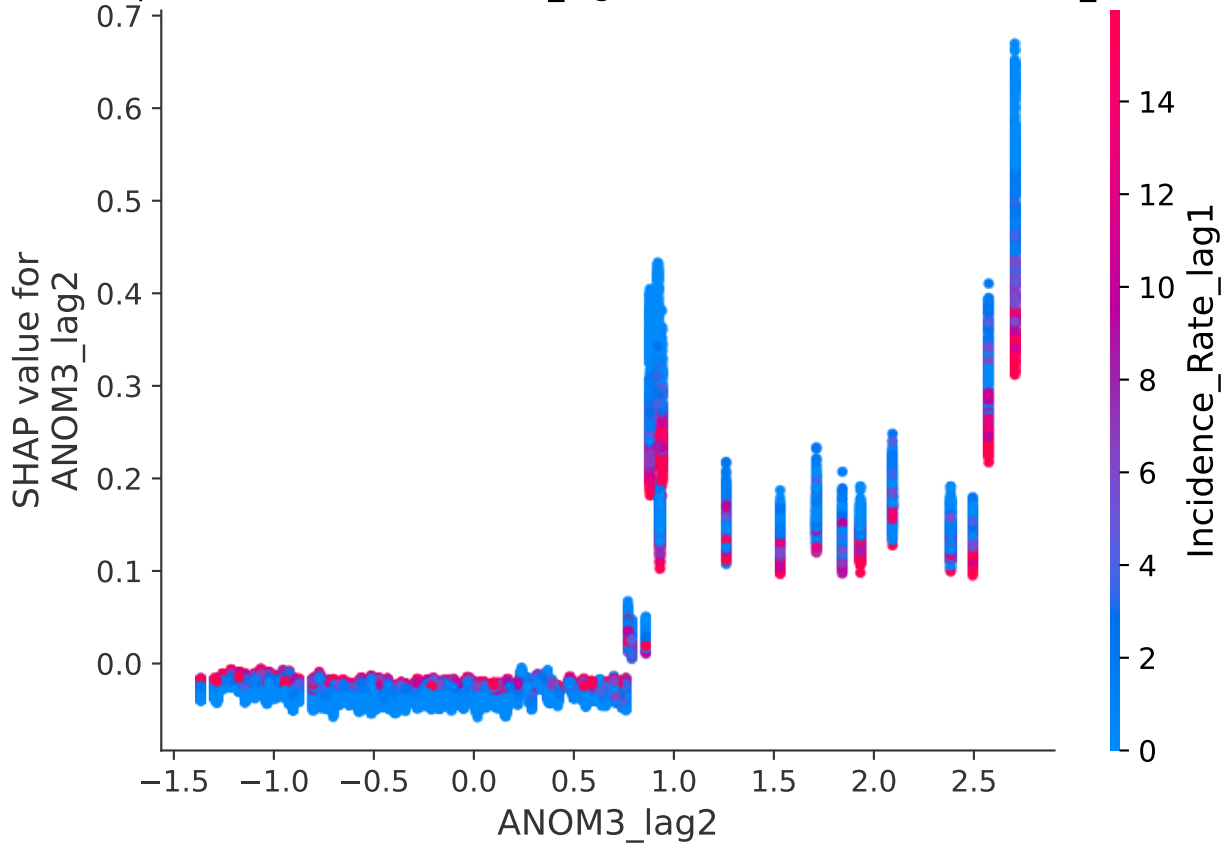
SHAP Dependence Plot for Class\_80, Class 1 - Nationwide (Train\_Val Set)



SHAP Dependence Plot for Class\_50, Class 2 - Nationwide (Train\_Val Set)

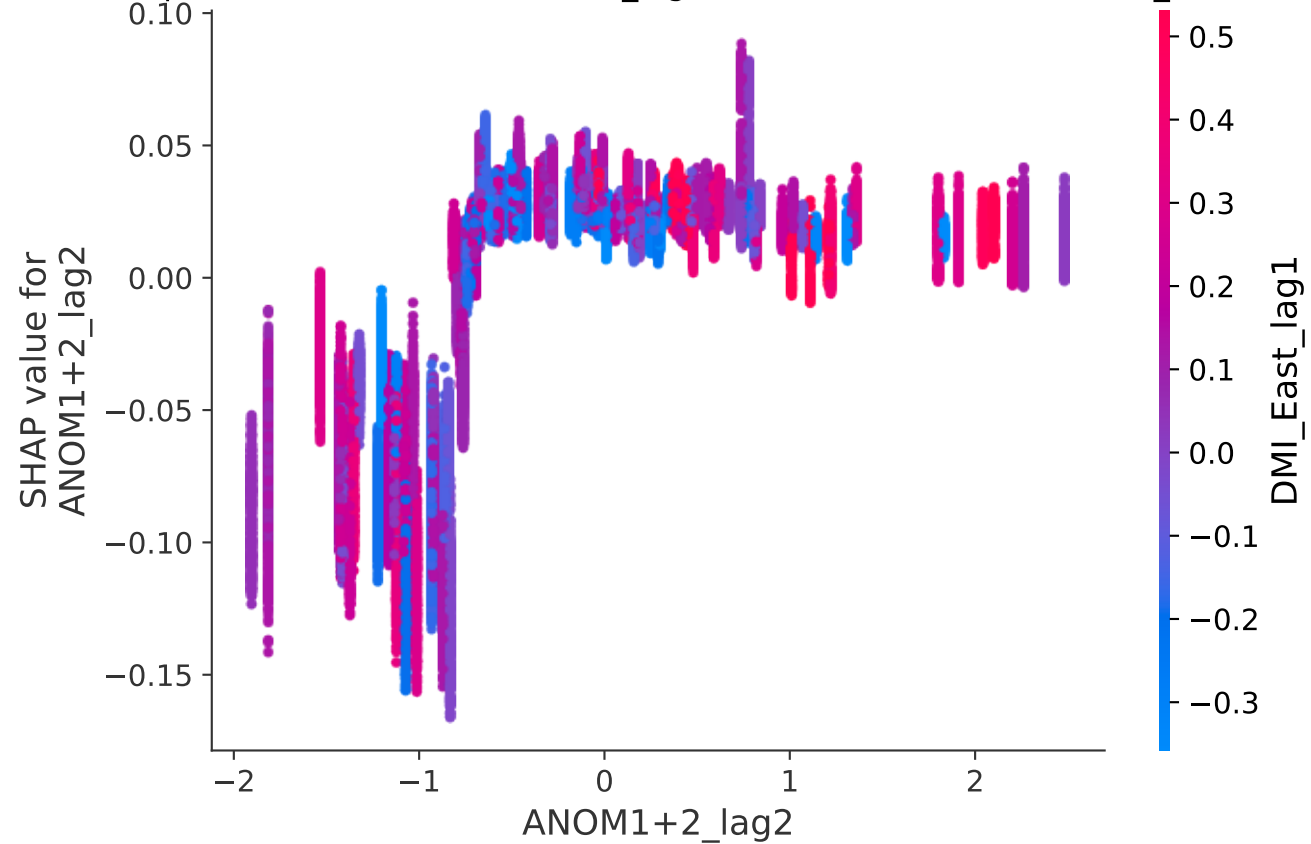


SHAP Dependence Plot for ANOM3\_lag2, Class 2 - Nationwide (Train\_Val Set)

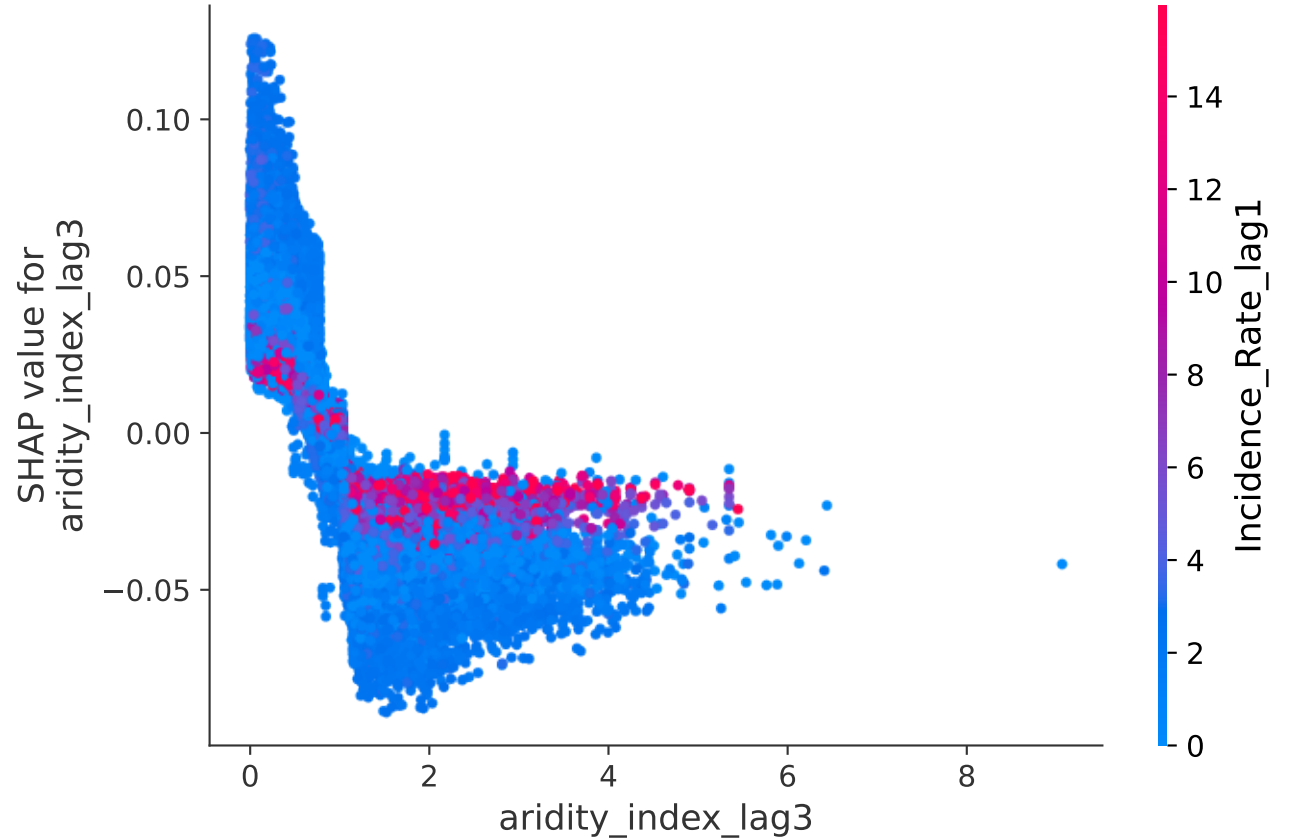




SHAP Dependence Plot for ANOM1+2\_lag2, Class 2 - Nationwide (Train\_Val Set)



SHAP Dependence Plot for aridity\_index\_lag3, Class 2 - Nationwide (Train\_Val Set)



SHAP Dependence Plot for evaporative\_stress\_index\_lag3, Class 2 - Nationwide (Train\_Val Set)

