Figure 1. The confusion matrix on the test set for Logistic Regression.
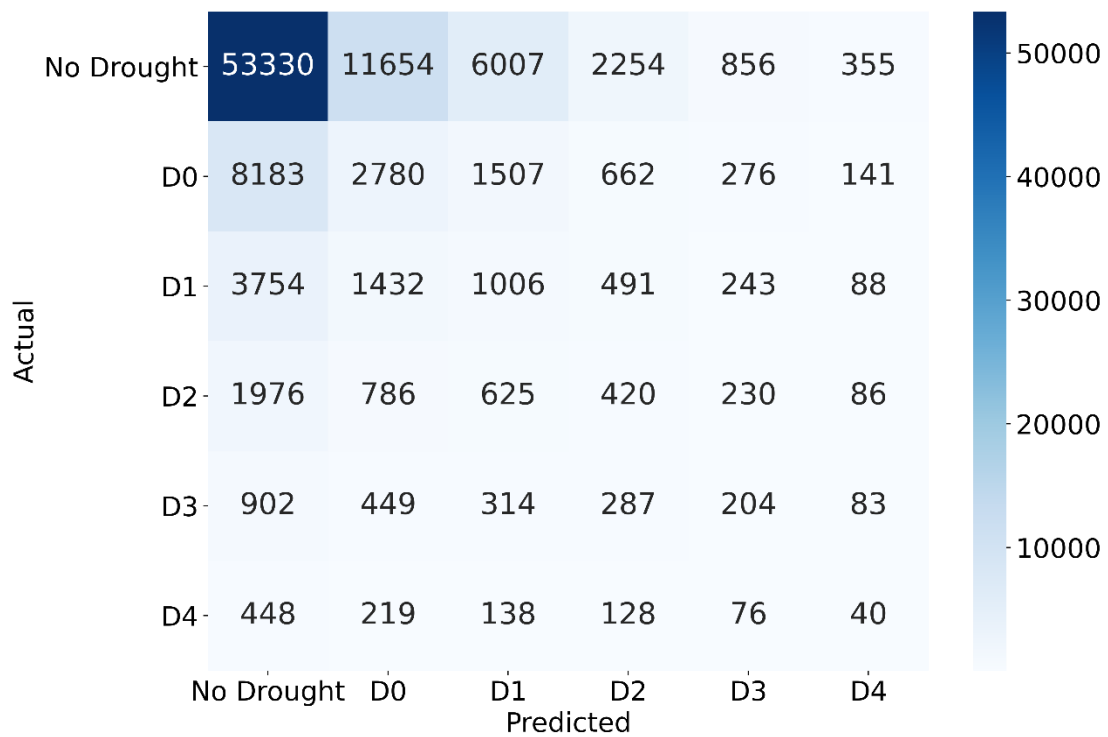

Figure 2. The confusion matrix on the test set for k Nearest Neighbor.
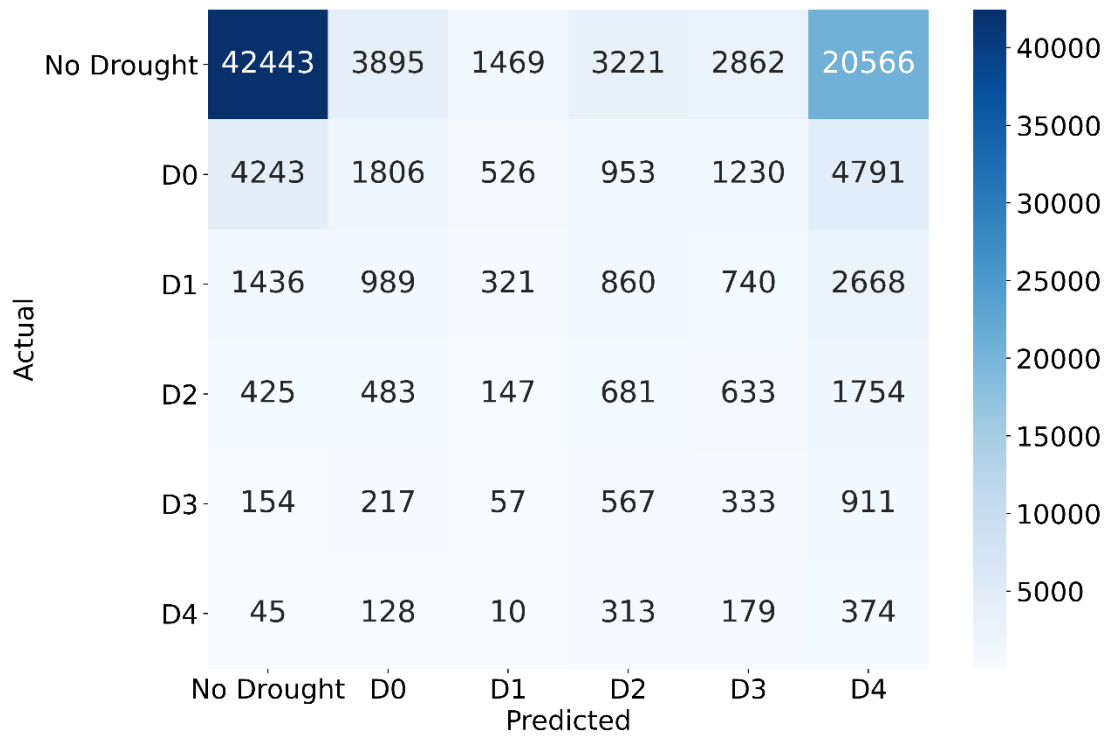
Figure 3. The confusion matrix on the test set for Naivers Bayes.
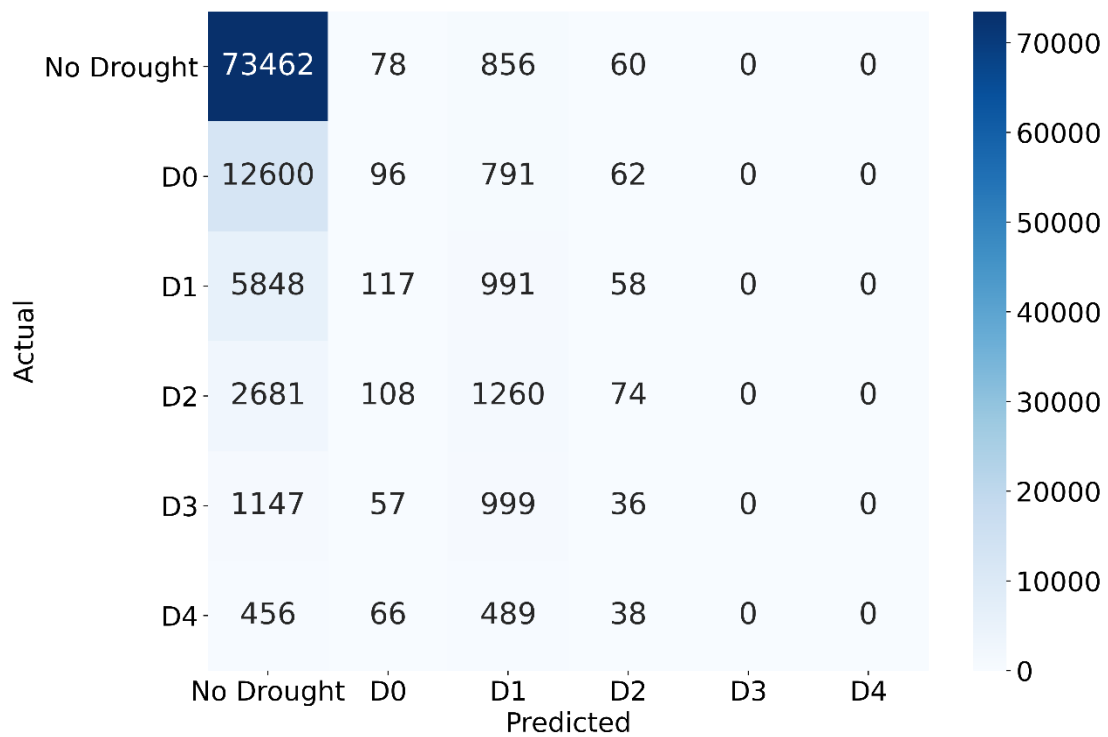

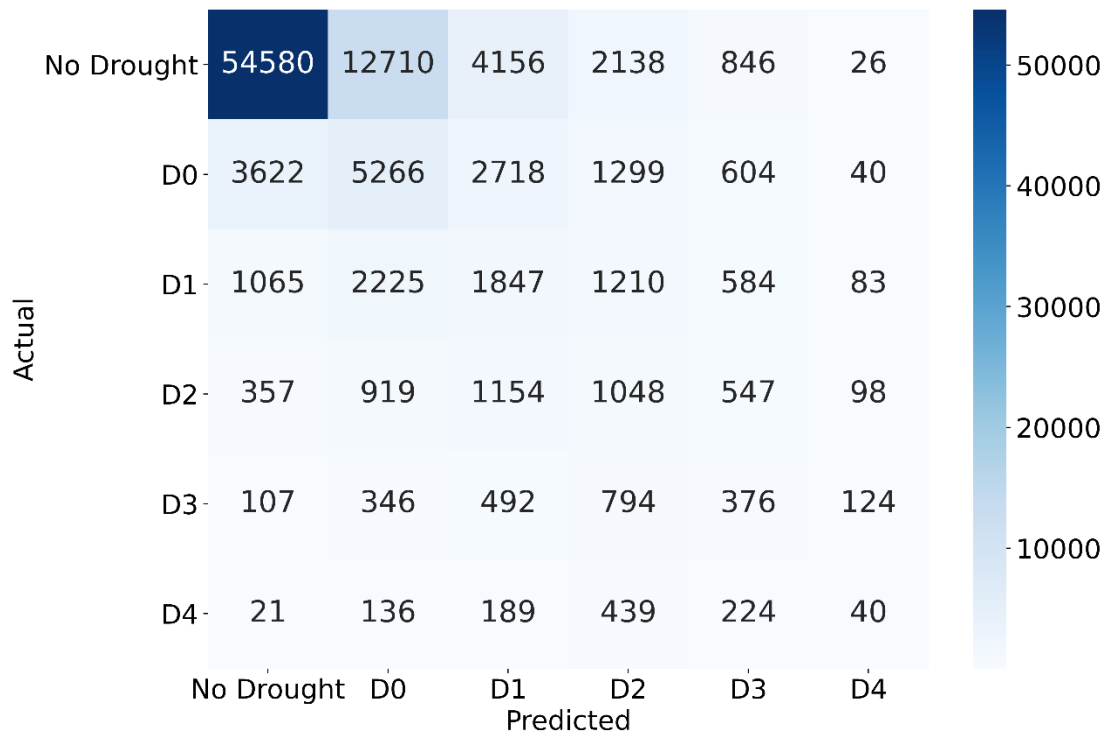Figure 4. The confusion matrix on the test set for SVM (Linear).

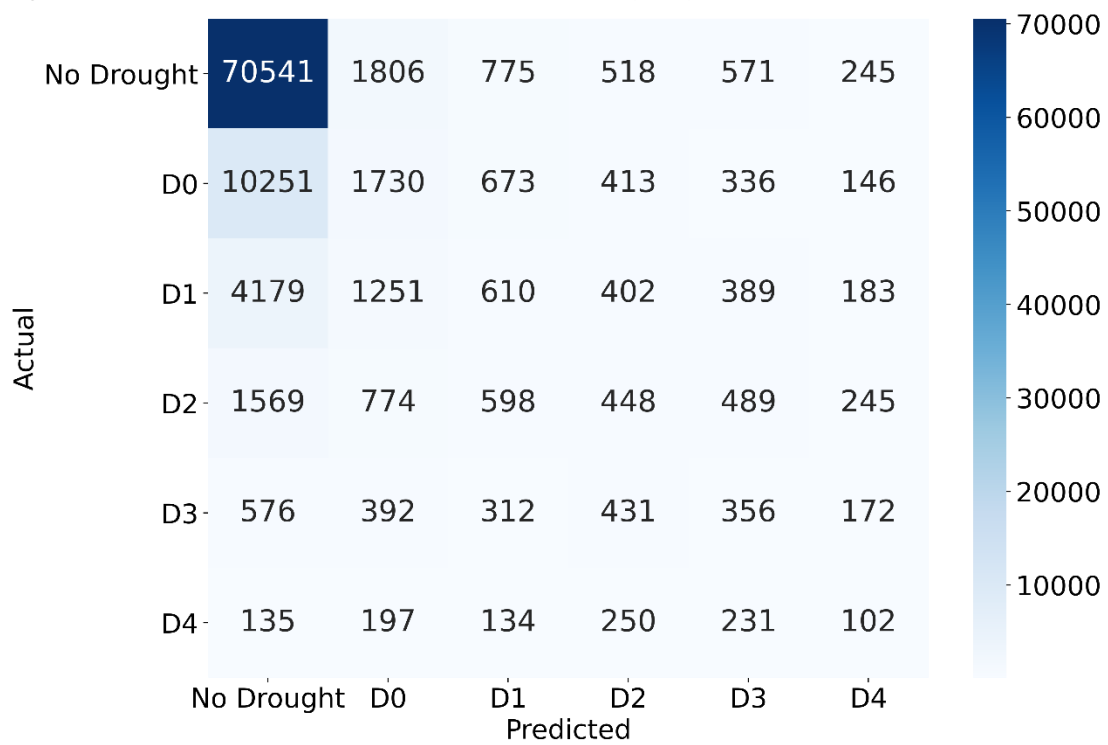Figure 5. The confusion matrix on the test set for SVM (RBF).

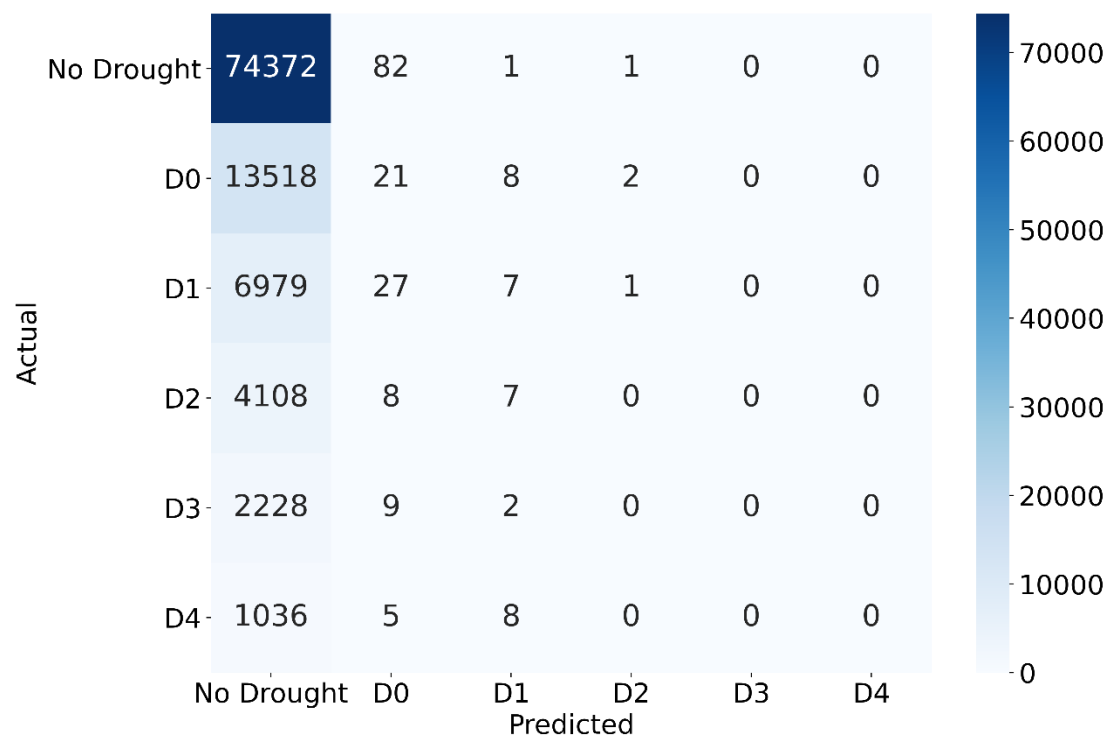Figure 6. The confusion matrix on the test set for Linear Discriminant Analysis.

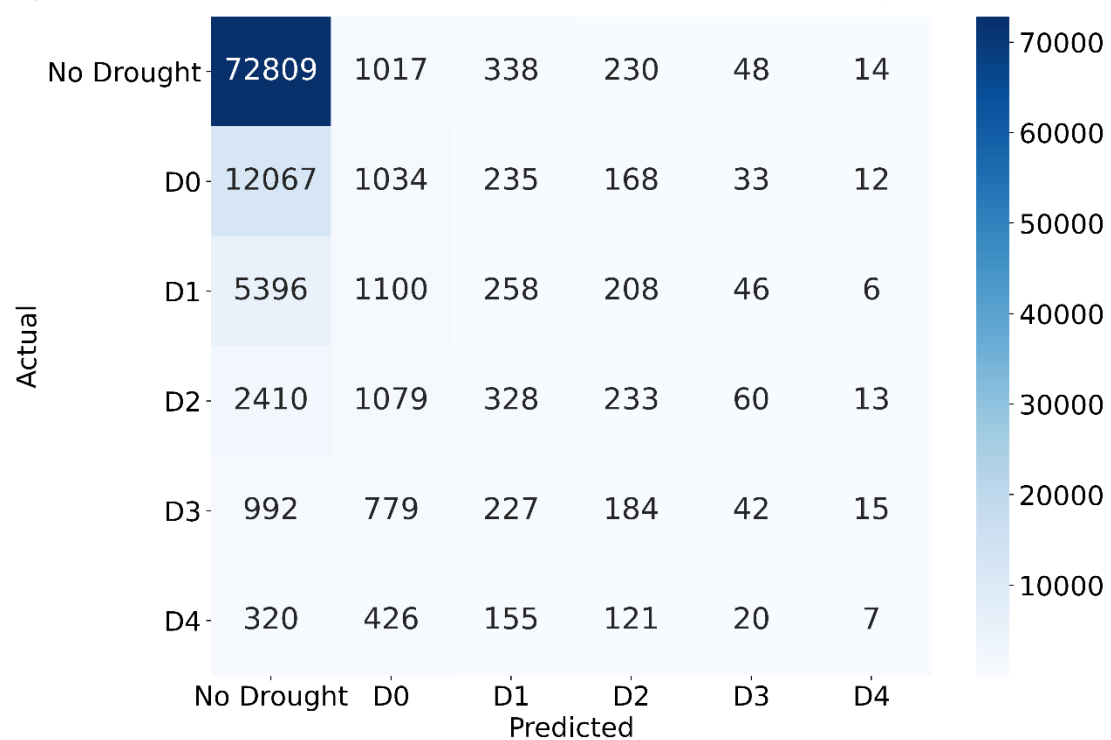Figure 7. The confusion matrix on the test set for Quadratic Discriminant Analysis.

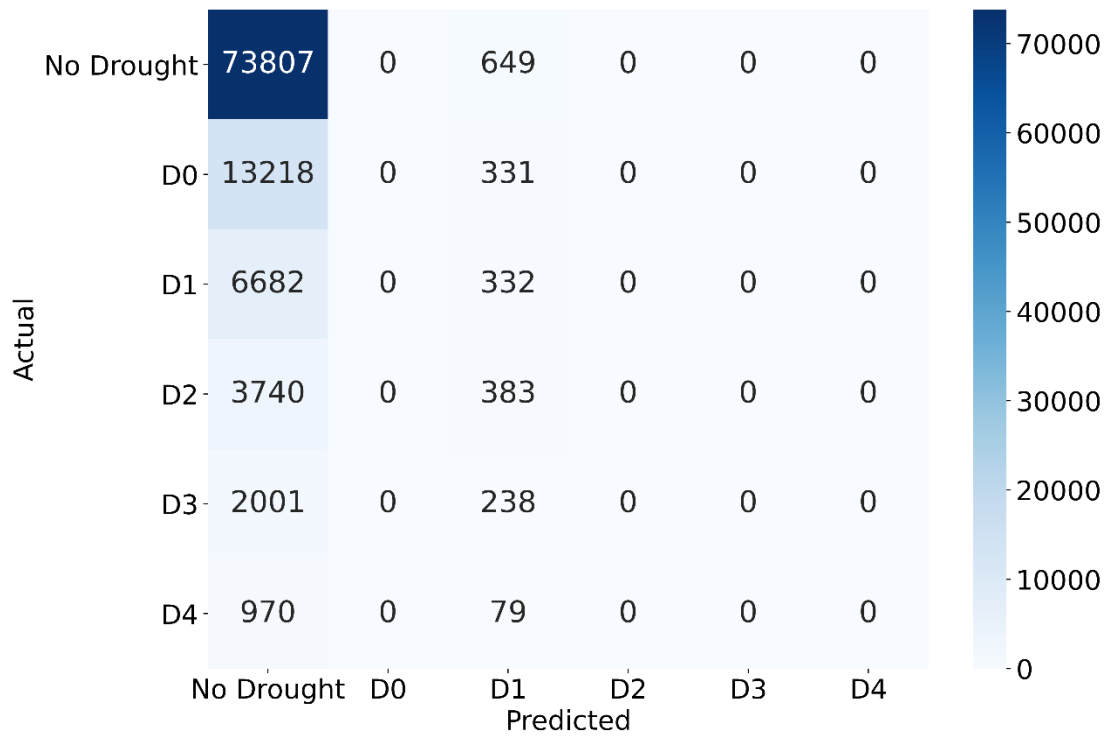Figure 8. The confusion matrix on the test set for Ridge.

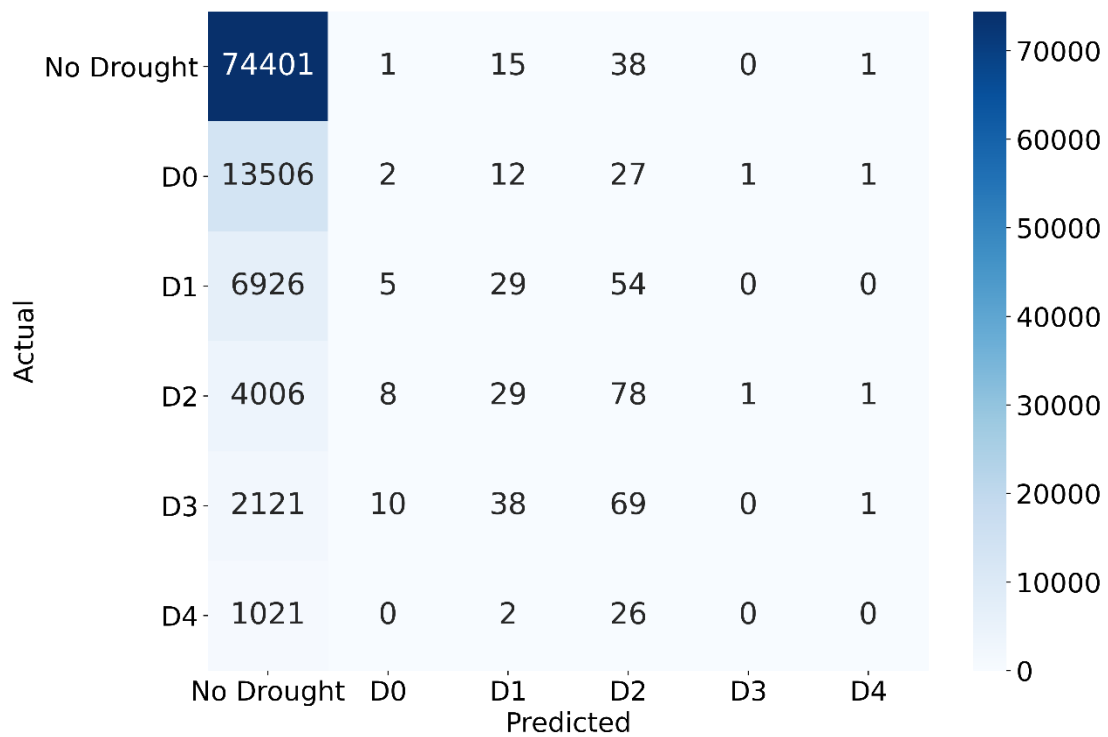Figure 9. The confusion matrix on the test set for Decision Tree.

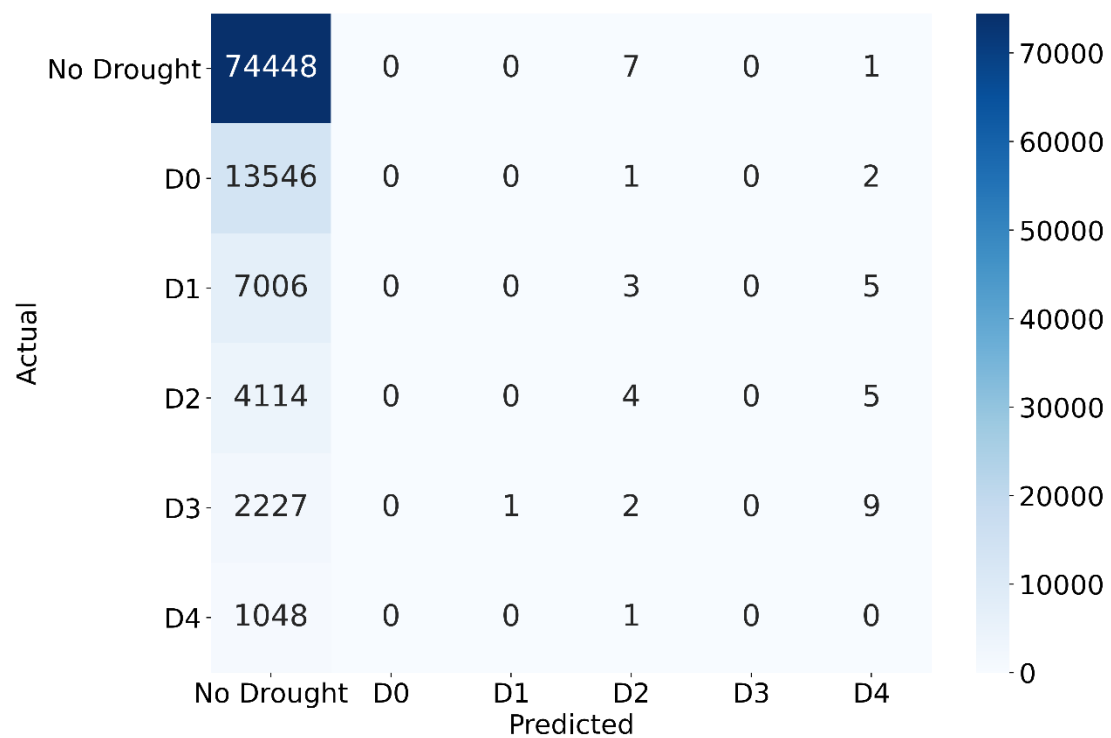Figure 10. The confusion matrix on the test set for Random Forest.

Actual \ Predicted	No Drought	D0	D1	D2	D3	D4
No Drought	74448	0	0	7	0	1
D0	13546	0	0	1	0	2
D1	7006	0	0	3	0	5
D2	4114	0	0	4	0	5
D3	2227	0	1	2	0	9
D4	1048	0	0	1	0	0

Figure 11. The confusion matrix on the test set for Extra Trees.

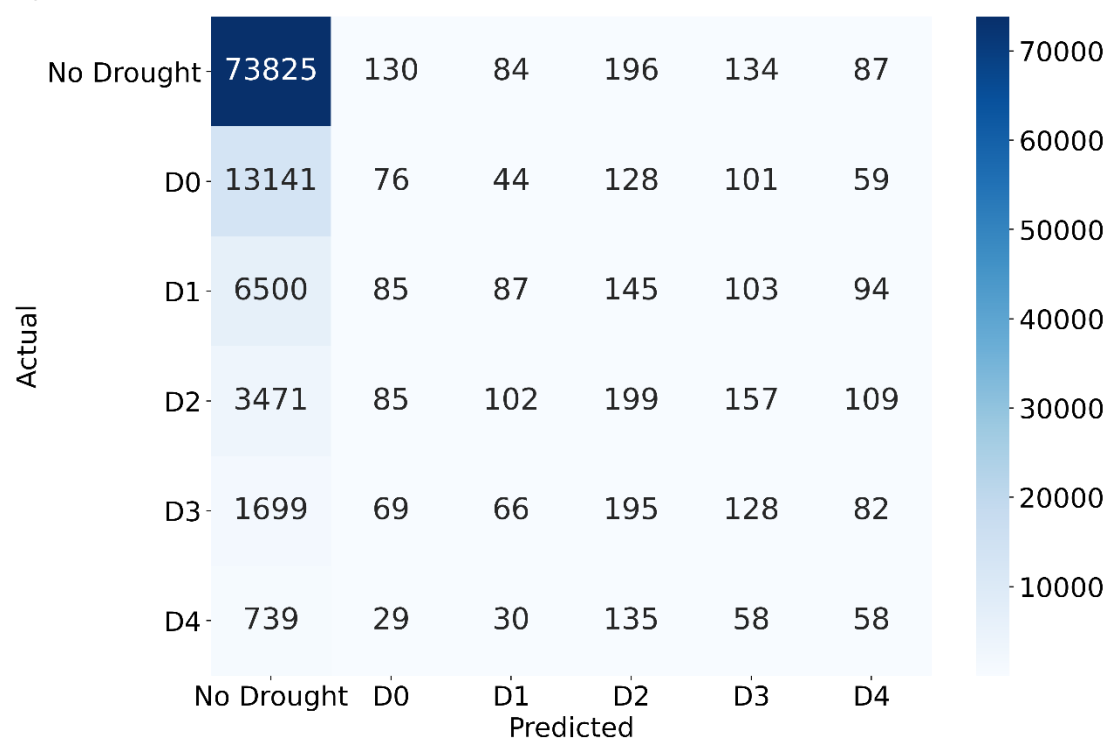| Actual \ Predicted	No Drought	D0	D1	D2	D3	D4
No Drought	73825	130	84	196	134	87
D0	13141	76	44	128	101	59
D1	6500	85	87	145	103	94
D2	3471	85	102	199	157	109
D3	1699	69	66	195	128	82
D4	739	29	30	135	58	58

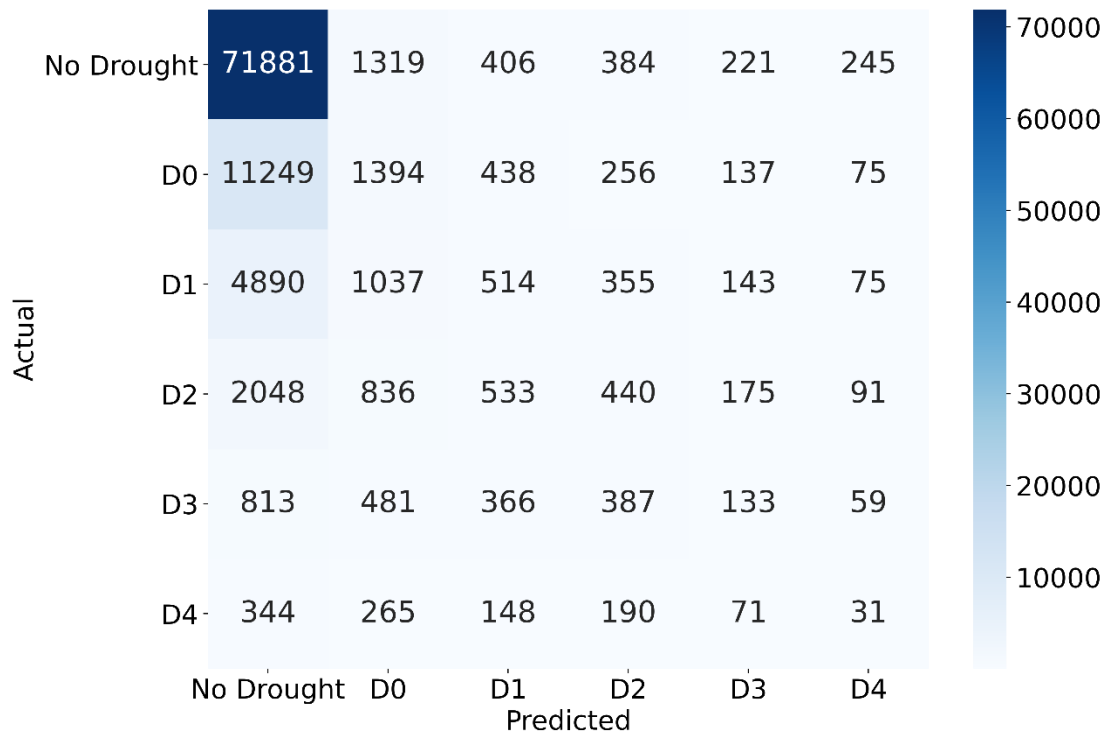Figure 12. The confusion matrix on the test set for AdaBoost.

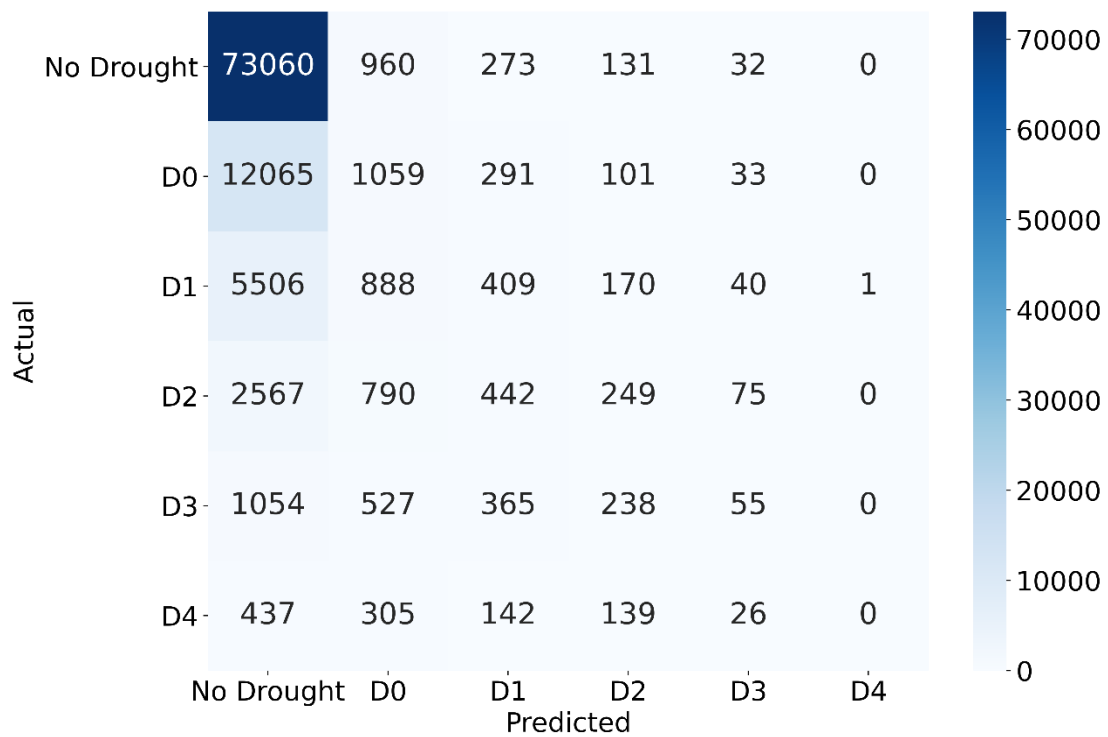Figure 13. The confusion matrix on the test set for Gradient Boosting.

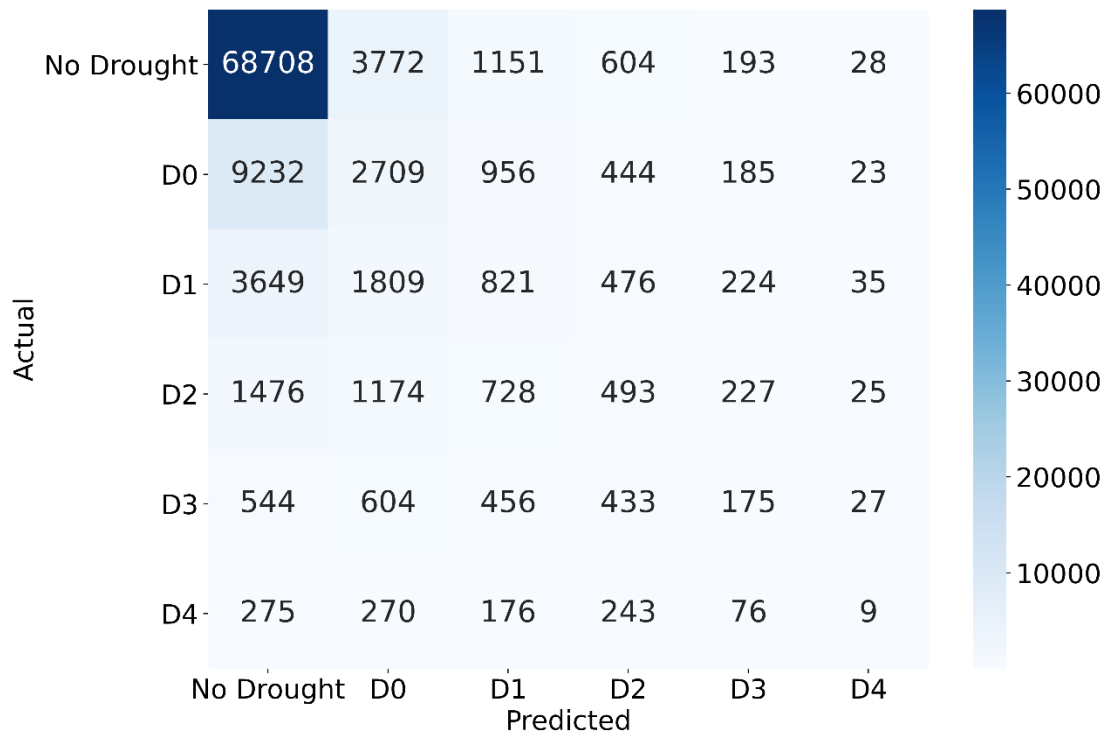Figure 14. The confusion matrix on the test set for Extreme Gradient Boosting.

Figure 15. The confusion matrix on the test set for Light Gradient Boosting.
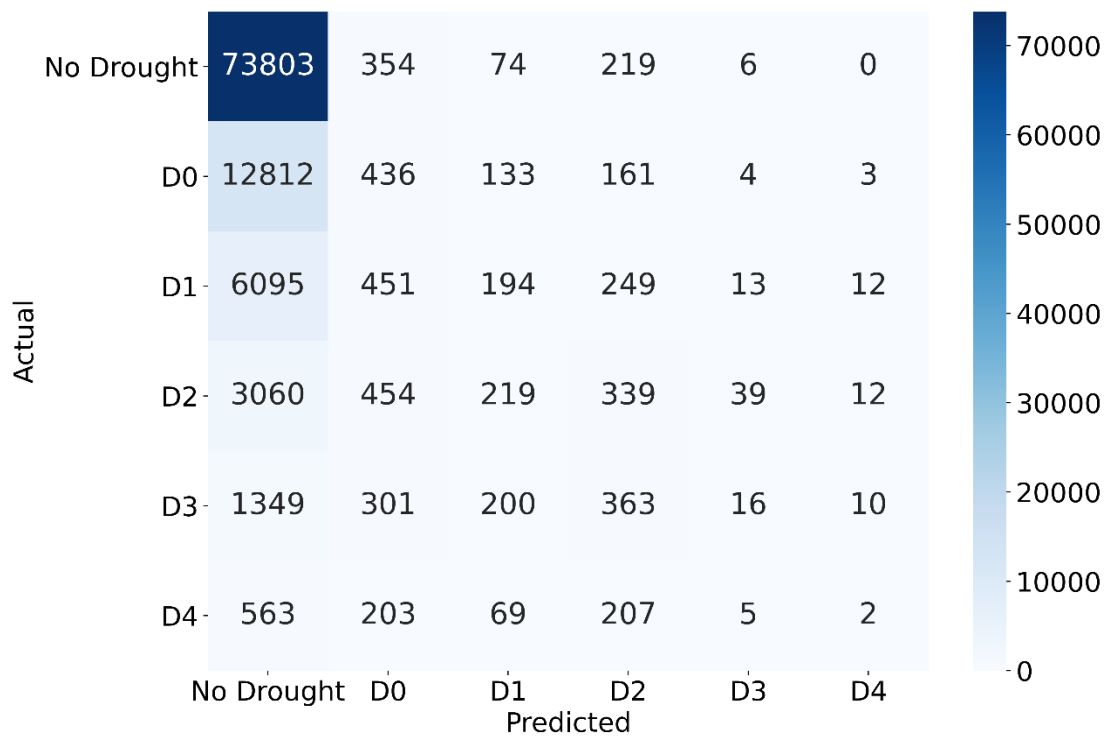

Figure 16. The confusion matrix on the test set for CatBoost.
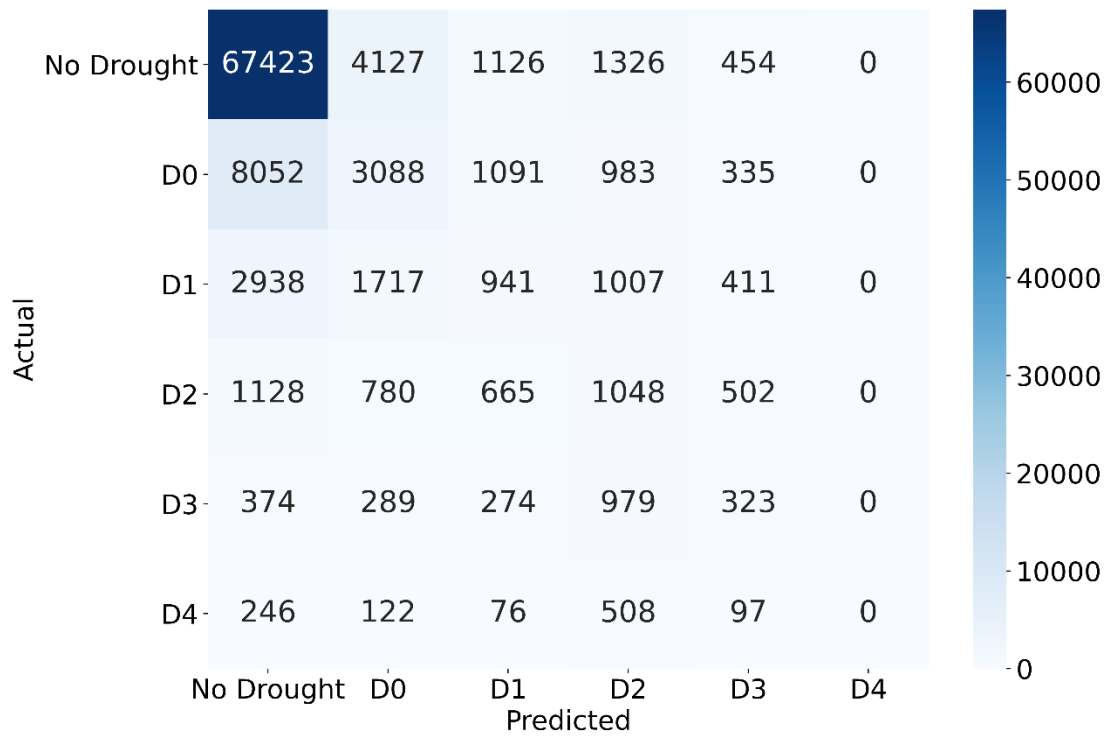
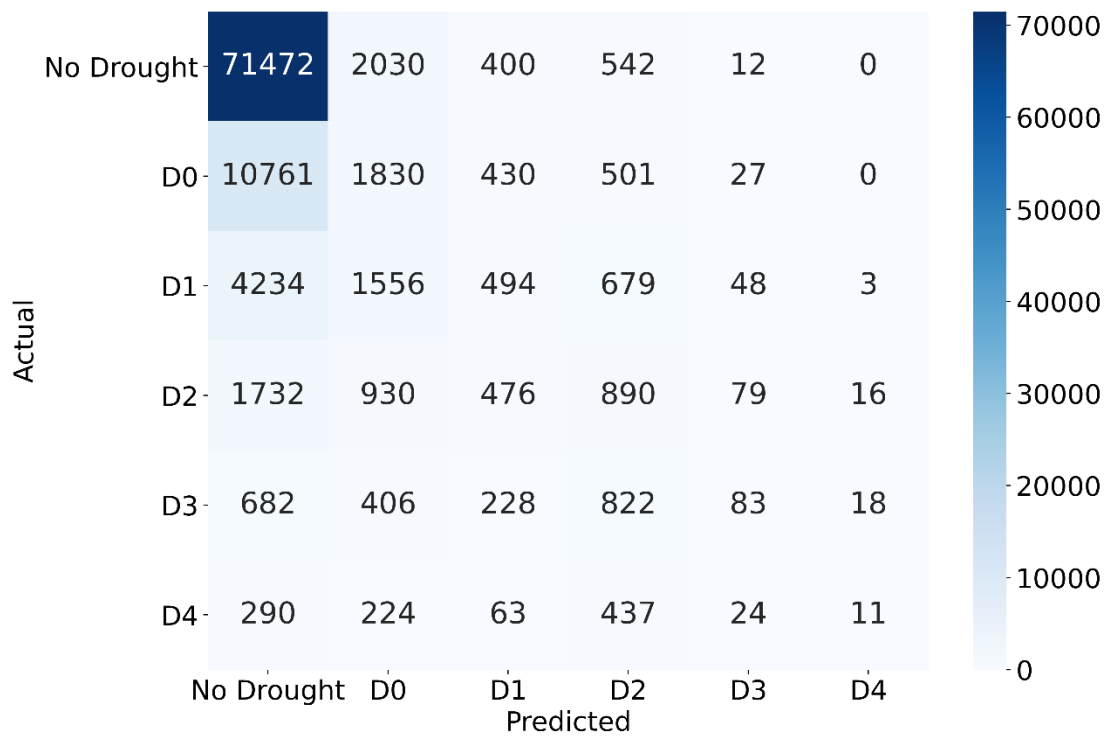Figure 17. The confusion matrix on the test set for MLP.

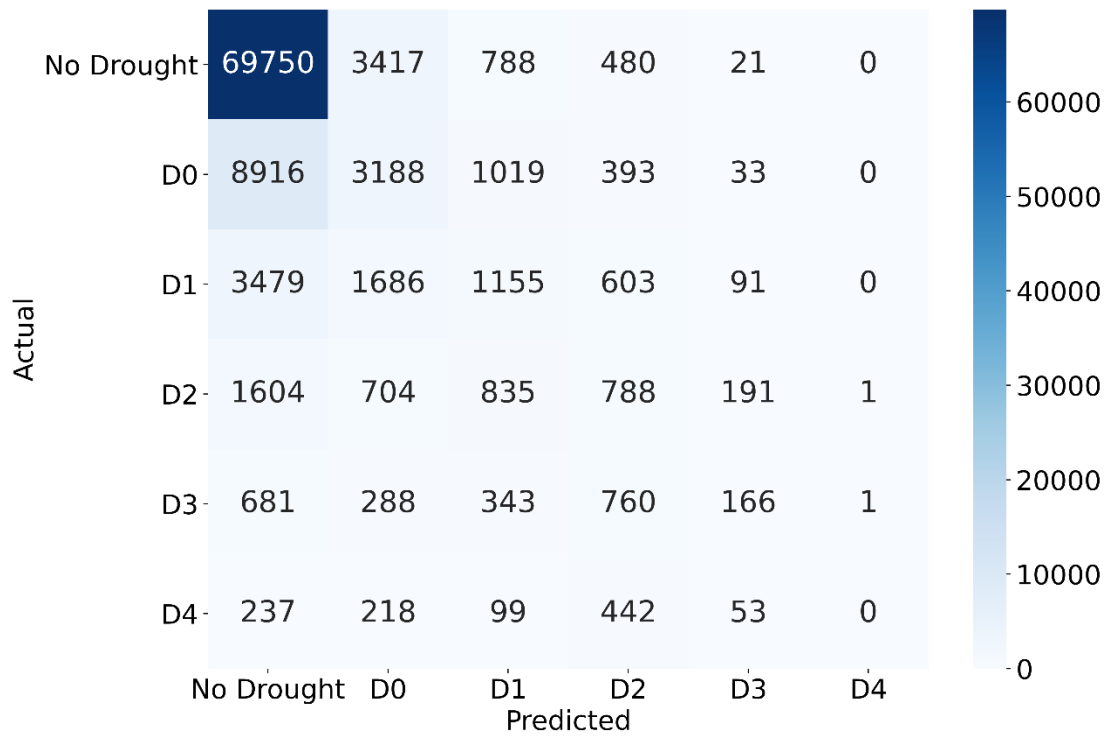Figure 18. The confusion matrix on the test set for RNN.

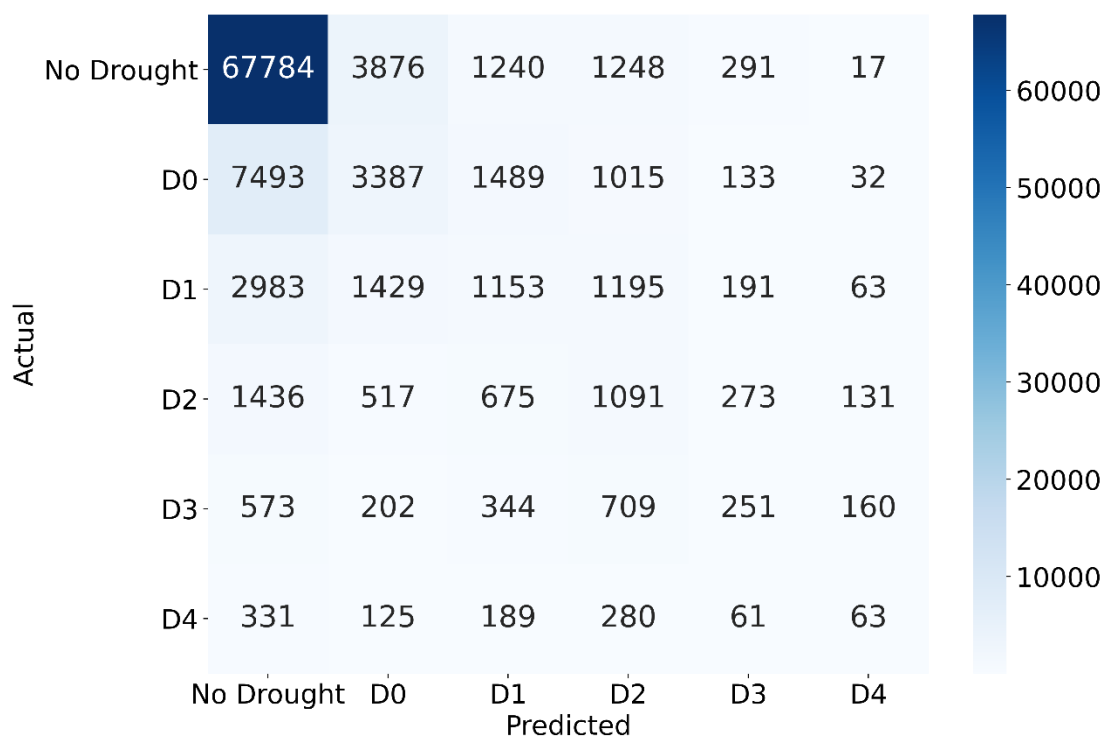Figure 19. The confusion matrix on the test set for GRU.

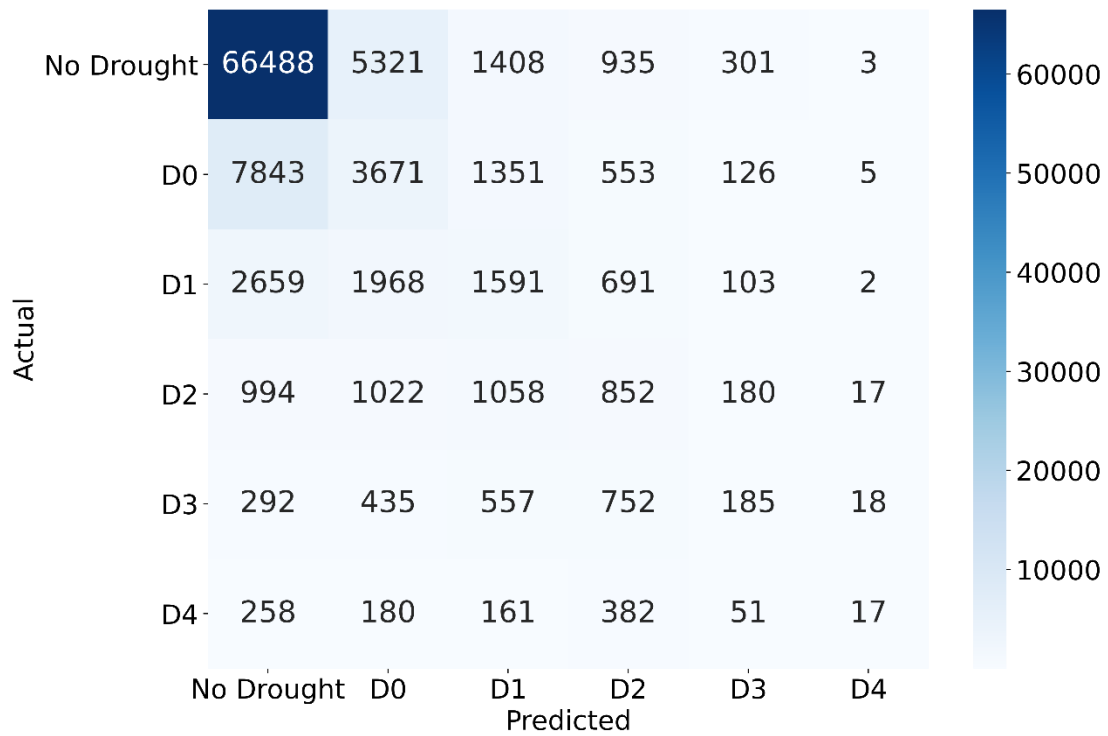Figure 20. The confusion matrix on the test set for LSTM.

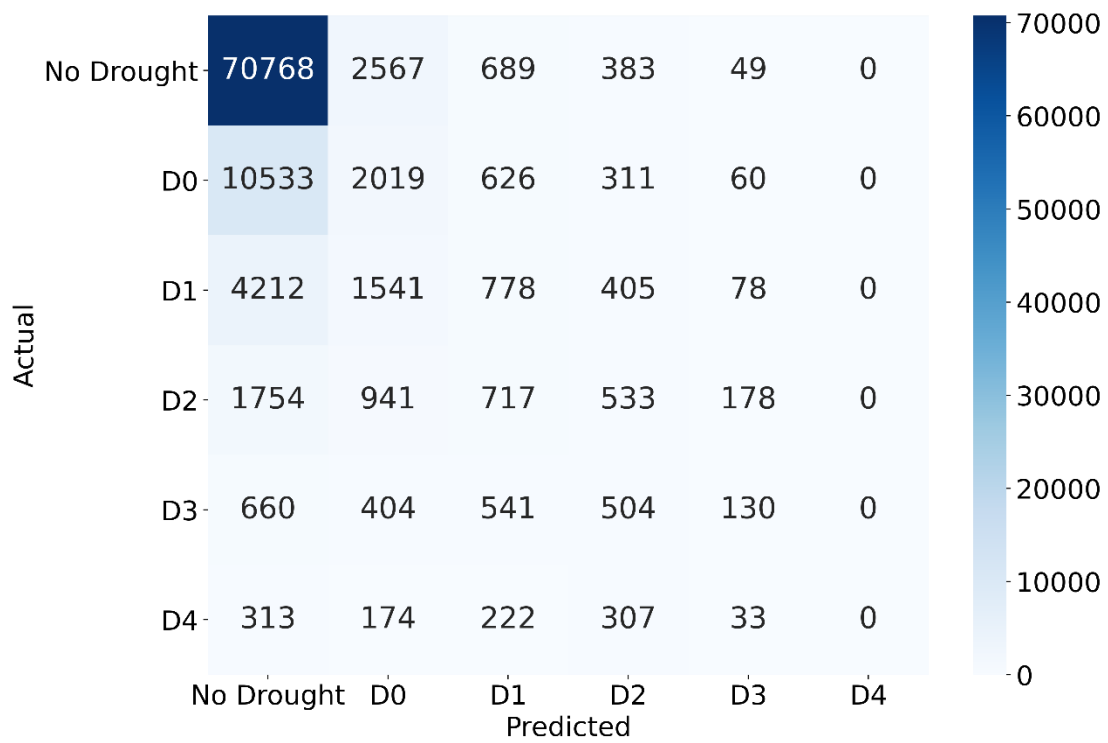Figure 21. The confusion matrix on the test set for FCN.

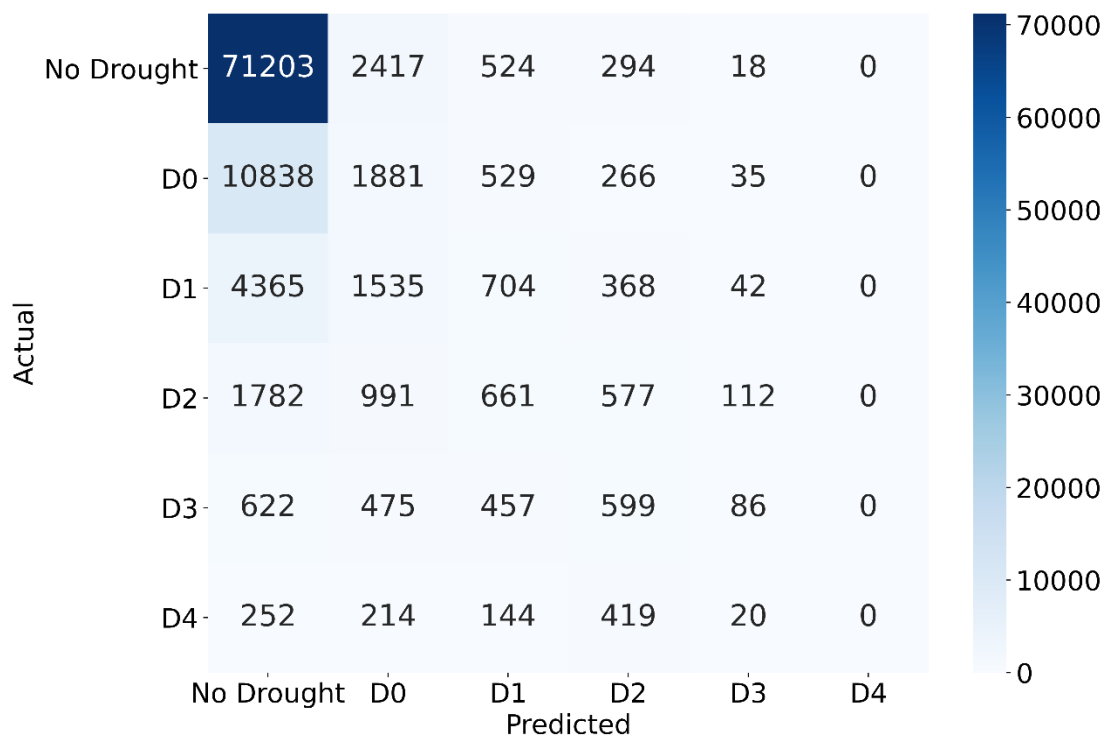Figure 22. The confusion matrix on the test set for ResNet.

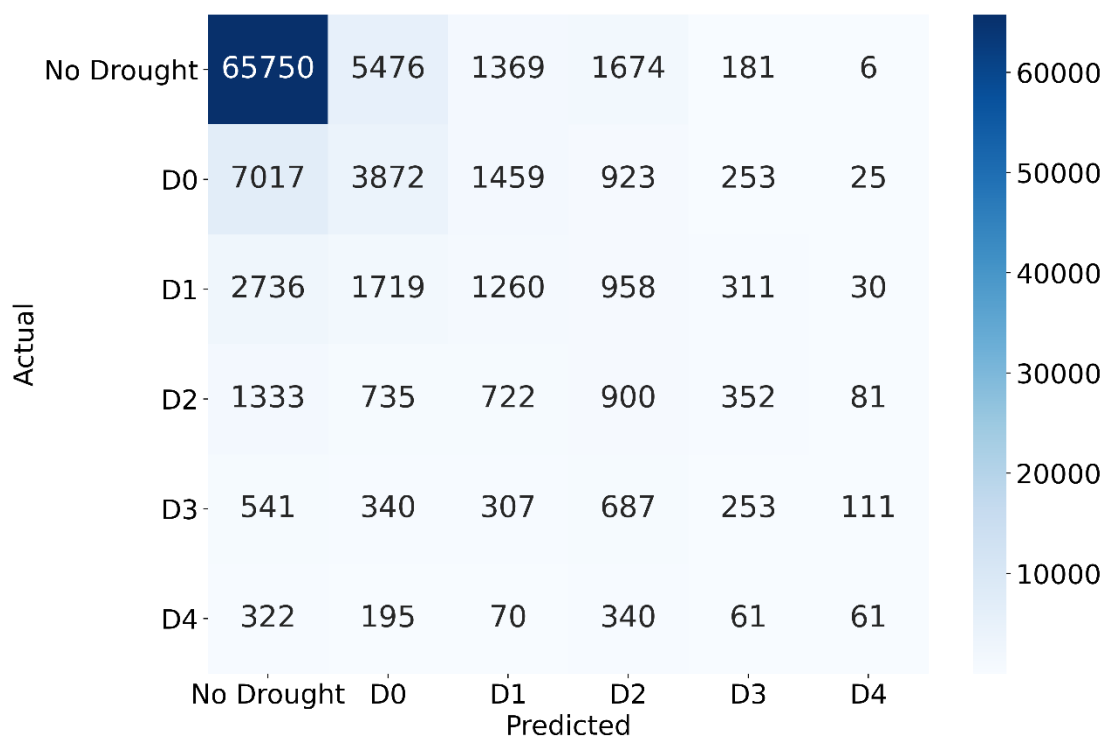Figure 23. The confusion matrix on the test set for ResCNN.

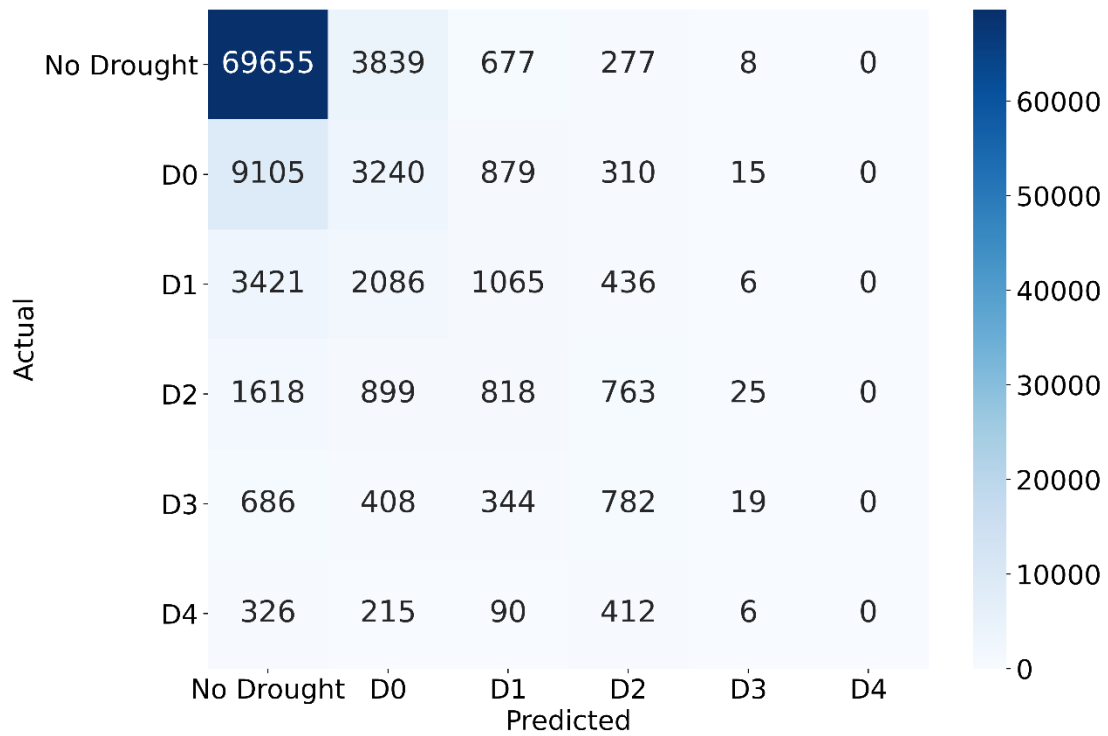Figure 24. The confusion matrix on the test set for TCN.

Figure 25. The confusion matrix on the test set for InceptionTime.
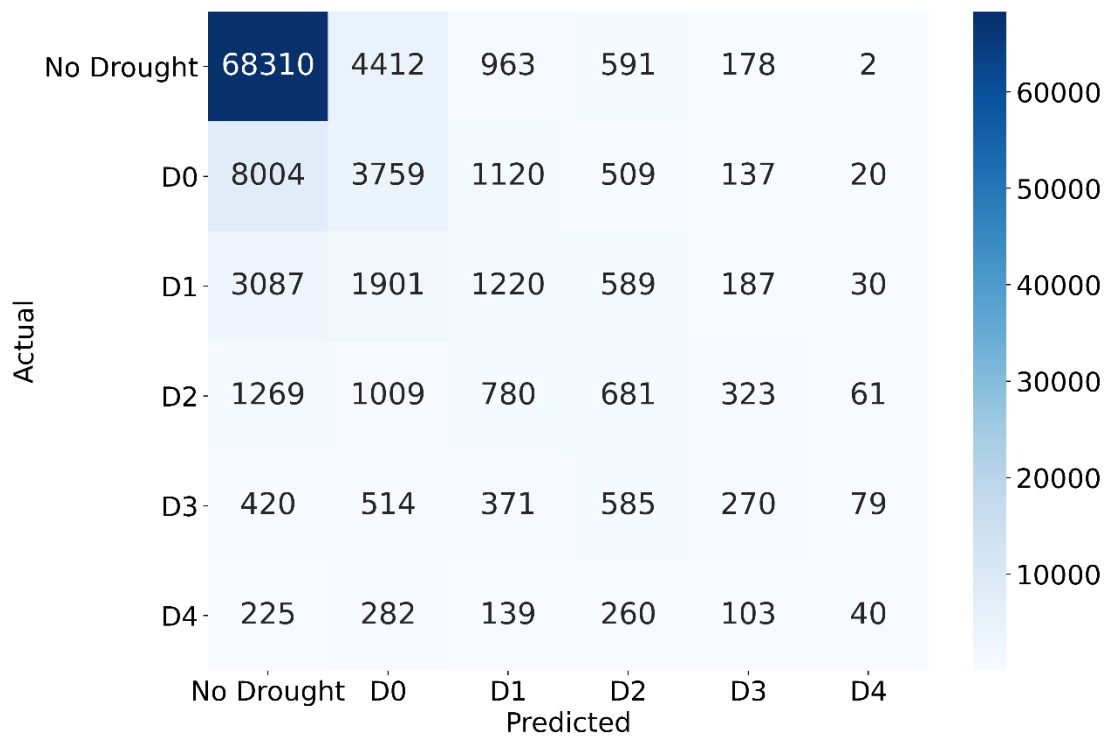

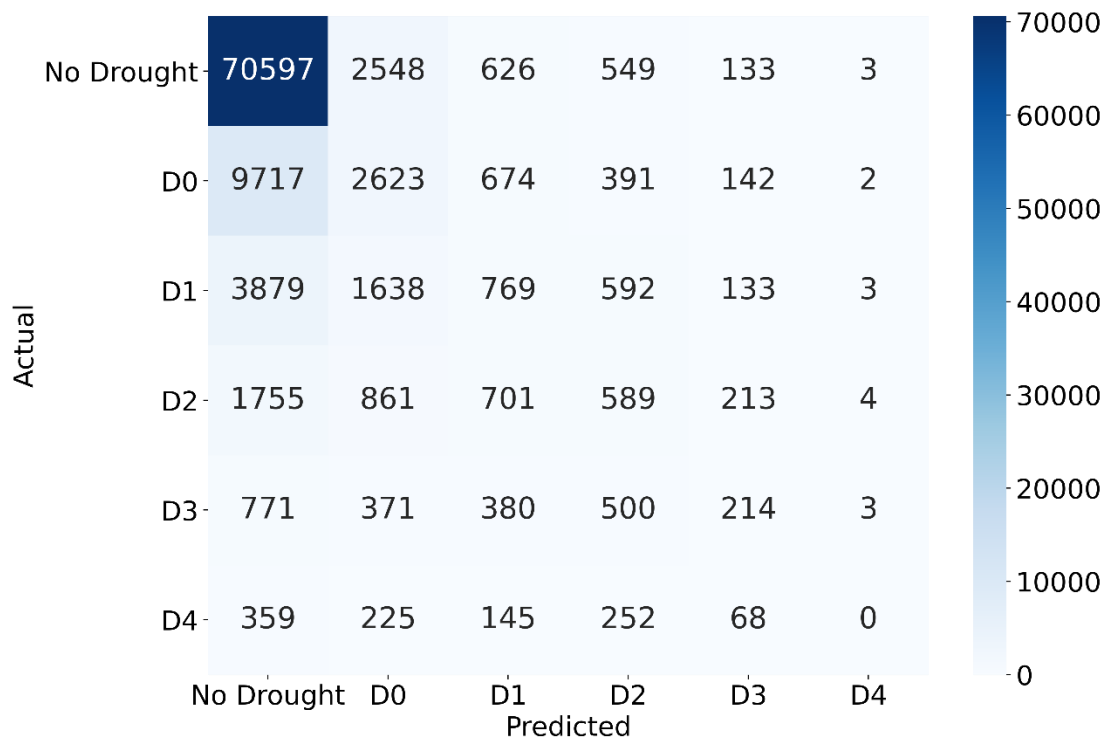Figure 26. The confusion matrix on the test set for XceptionTime.

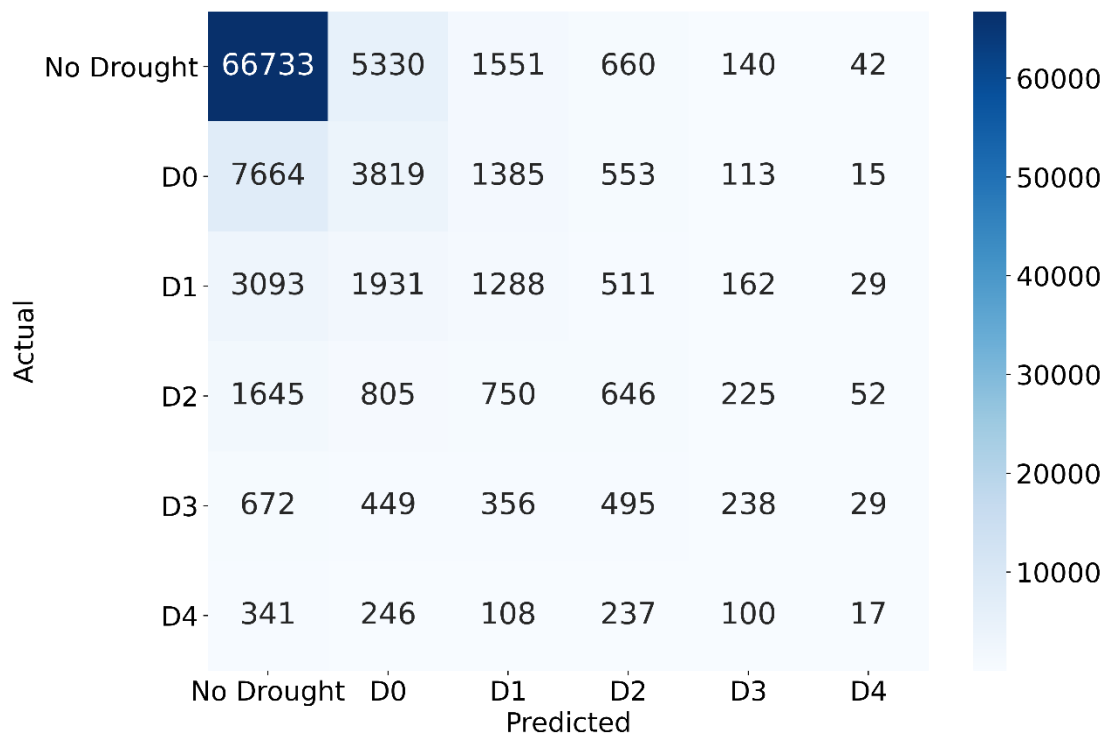Figure 27. The confusion matrix on the test set for OS-CNN.

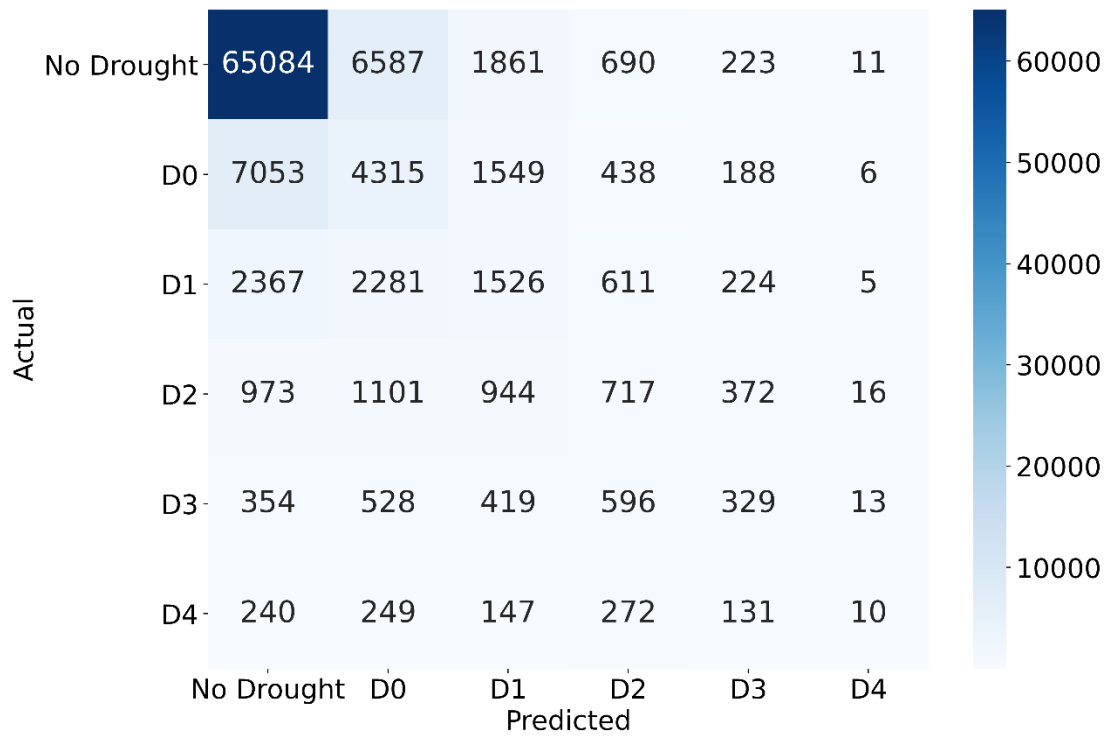Figure 28. The confusion matrix on the test set for XCM.

	No Drought	D0	D1	D2	D3	D4
No Drought	65084	6587	1861	690	223	11
D0	7053	4315	1549	438	188	6
D1	2367	2281	1526	611	224	5
D2	973	1101	944	717	372	16
D3	354	528	419	596	329	13
D4	240	249	147	272	131	10

Figure 29. The confusion matrix on the test set for RNN_FCN.

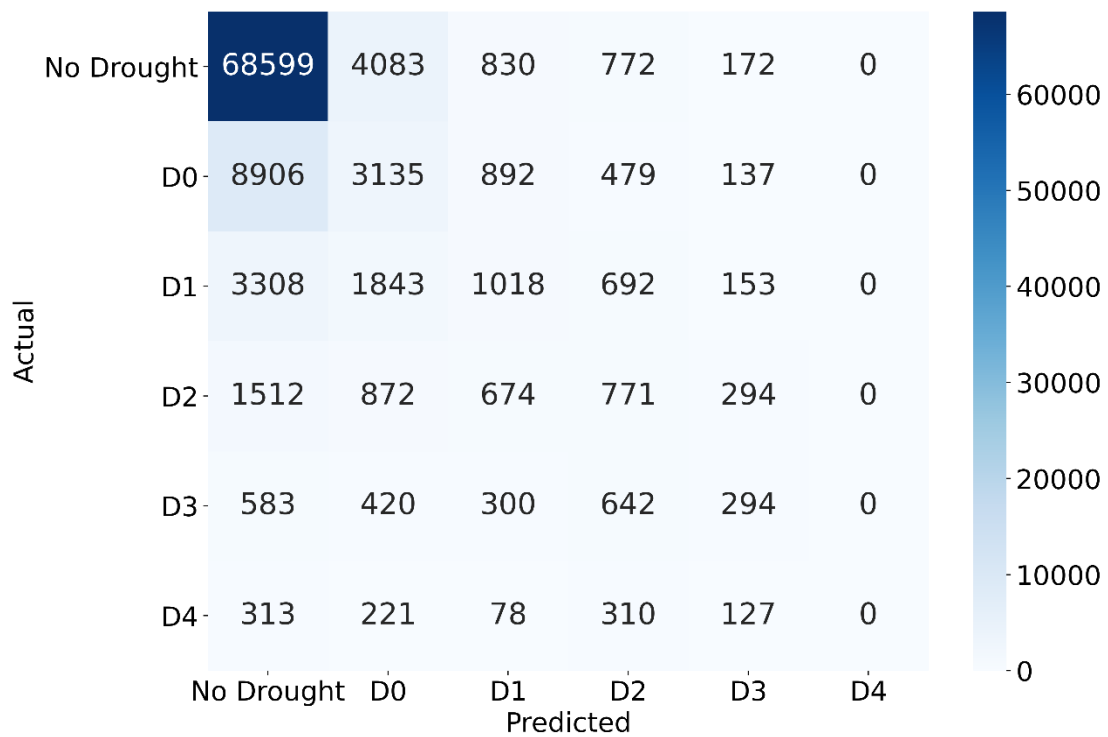|	No Drought	D0	D1	D2	D3	D4
No Drought	68599	4083	830	772	172	0
D0	8906	3135	892	479	137	0
D1	3308	1843	1018	692	153	0
D2	1512	872	674	771	294	0
D3	583	420	300	642	294	0
D4	313	221	78	310	127	0

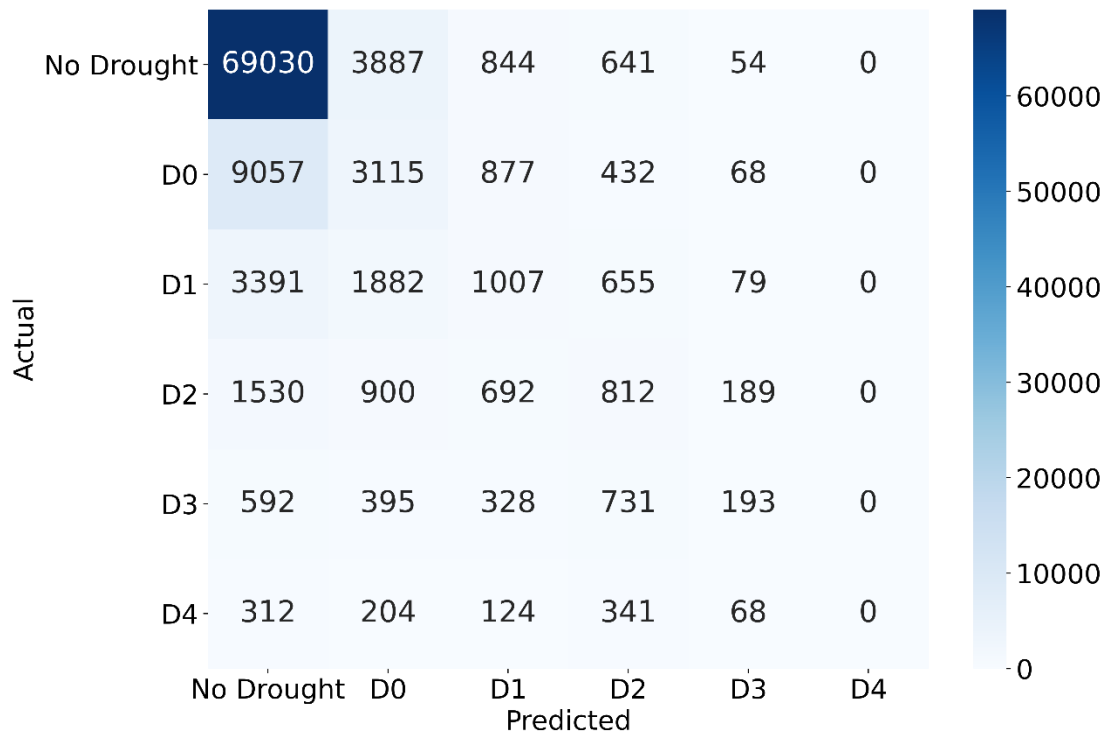Figure 30. The confusion matrix on the test set for GRU_FCN.
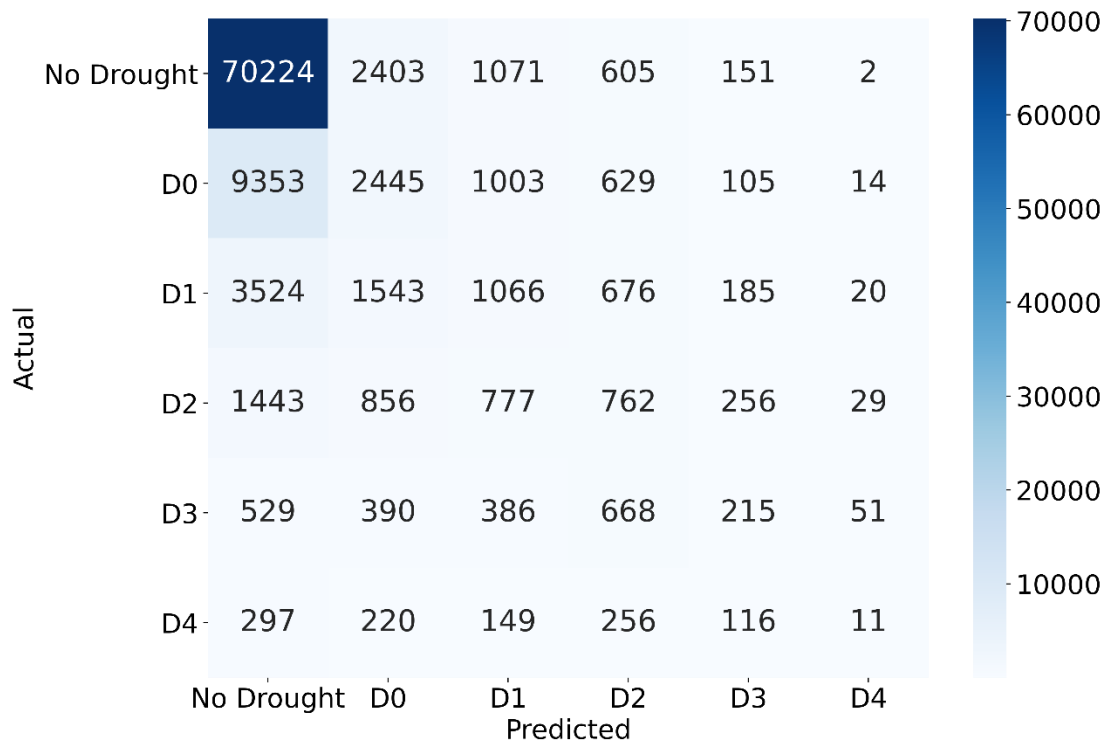
Figure 31. The confusion matrix on the test set for LSTM_FCN.

Figure 32. The confusion matrix on the test set for TST.