Distribution of Log Return Values

	Corn	Cotton	Soybeans	Wheat
statistic --- str	value --- f64			
count	6301.0	6451.0	6293.0	6313
null_count	0.0	0.0	0.0	0.0
mean	0.000133	0.000033	0.000117	0.000119
std	0.018004	0.018806	0.015902	0.020373
min	-0.26862	-0.272925	-0.234109	-0.112971
25%	-0.009472	-0.009609	-0.007798	-0.01239
50%	0.0	0.0	0.000606	-0.000533
75%	0.009687	0.009642	0.008586	0.011736
max	0.127571	0.136218	0.203209	0.197014

Target Definition for Classification (Target)

	Corn	Cotton	Soybeans	Wheat
Target --- i64	count --- u32			
1	3065	3258	3238	3302
0	3236	3193	3055	3011

Corn	
target --- i64	proportion --- f64
1	0.486431
0	0.513569

Soybeans	
target --- i64	proportion --- f64
1	0.51454
0	0.48546

Wheat	
target --- i64	proportion --- f64
1	0.476952
0	0.523048

Cotton	
target --- i64	proportion --- f64
1	0.505038
0	0.494962

Corn

trialNumber --- str	features --- str	aic --- f64
1696	4 8 9 10	8724.138958
441	4 9 10	8724.405753
4657	4 8 9 10 11	8725.541811
1576	3 8 9 10	8725.691169
4587	4 6 8 9 10	8725.765199
1711	4 9 10 11	8725.766223
396	3 9 10	8725.825948
1697	4 8 9 11	8726.041787
1660	4 6 9 10	8726.047408
4531	4 5 8 9 10	8726.062405

Soybeans

trialNumber --- str	features --- str	aic --- f64
922	0 9 10 13	8717.41689
923	0 9 10 14	8717.965109
505	6 9 10	8718.340386
106	9 10	8718.85203
2928	0 9 10 11 13	8718.89144
705	0 2 9 10	8719.167831
1930	9 10 12 14	8719.229885
1929	9 10 12 13	8719.254605
28	0 13	8719.278576
2594	0 3 9 10 13	8719.31603

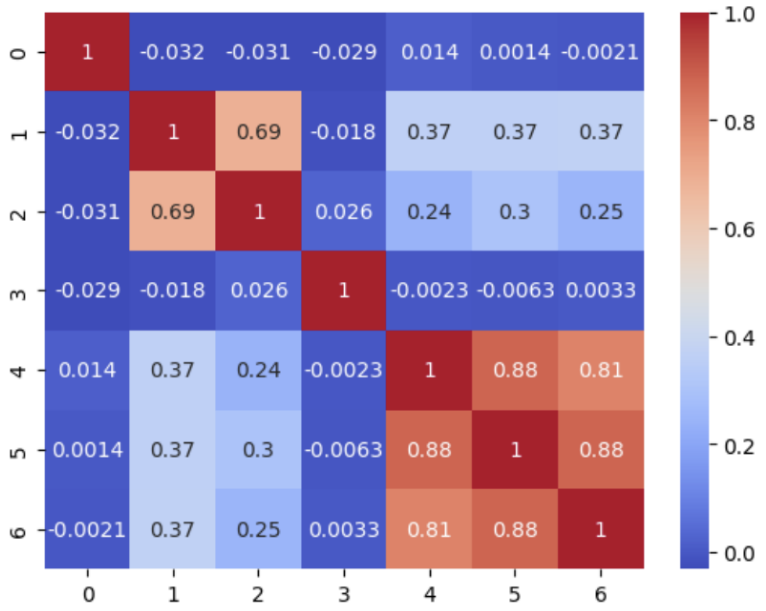
Cotton

trialNumber --- str	features --- str	aic --- f64
369	3 5 9	8940.888858
1512	3 5 9 10	8941.525907
1632	4 5 9 10	8941.650423
56	3 5	8941.957649
10	9	8942.019154
414	4 5 9	8942.05857
1516	3 5 9 14	8942.090105
1449	3 4 5 9	8942.101681
1239	2 3 5 9	8942.114618
106	9 10	8942.136316

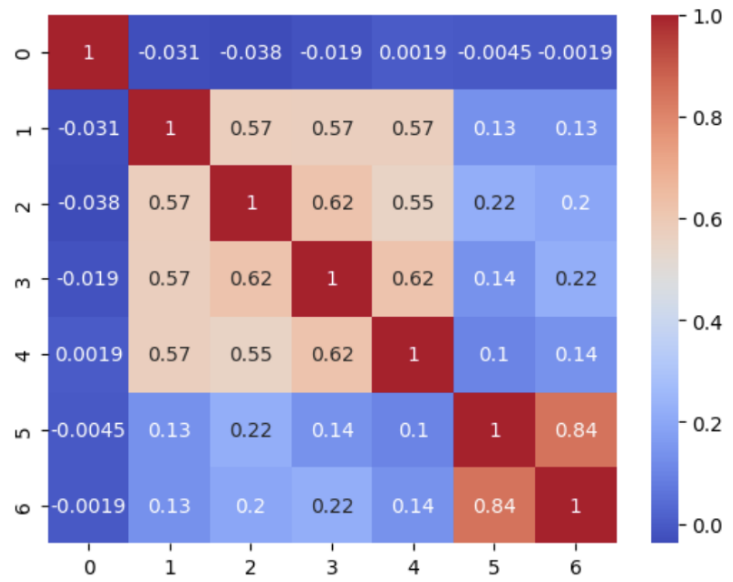
Wheat

trialNumber --- str	features --- str	aic --- f64
922	0 9 10 13	8736.505627
923	0 9 10 14	8737.173083
2594	0 3 9 10 13	8737.582429
28	0 13	8737.616861
2889	0 7 9 10 13	8737.636924
1540	3 6 9 10	8737.668231
6256	0 3 4 9 10 13	8737.749358
2429	0 2 9 10 13	8737.749358
2714	0 4 9 10 13	8737.950651
505	6 9 10	8737.98513

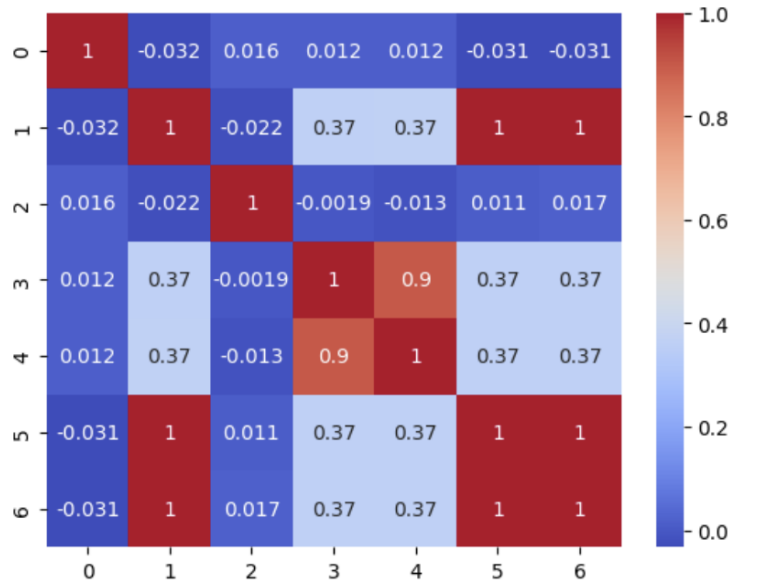
Corn



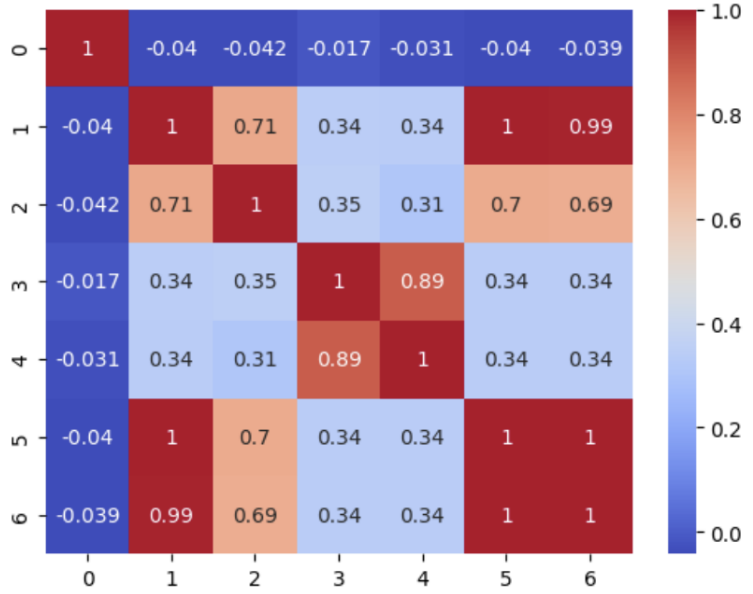
Cotton



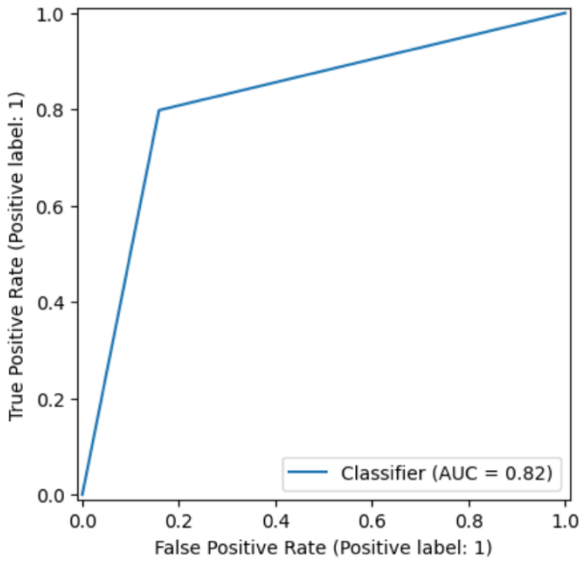
Soybeans



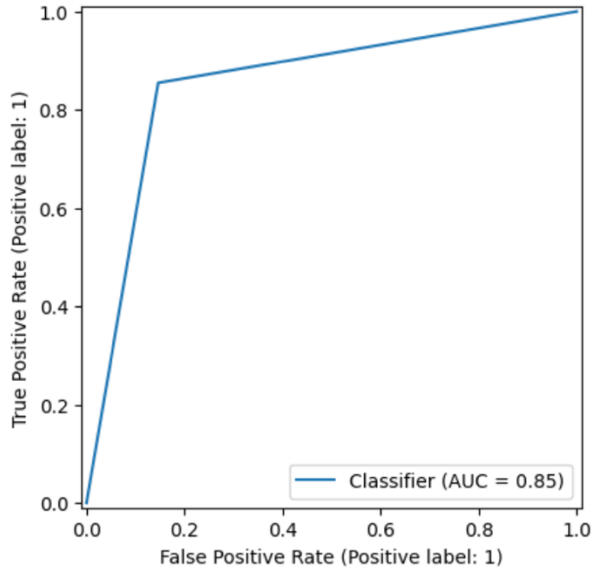
Wheat



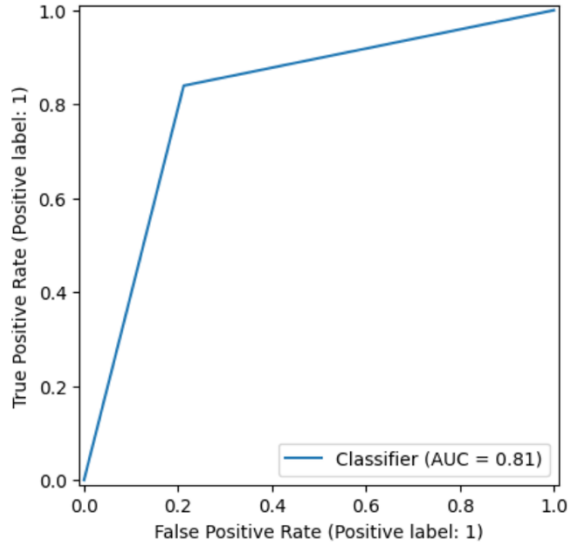
Corn



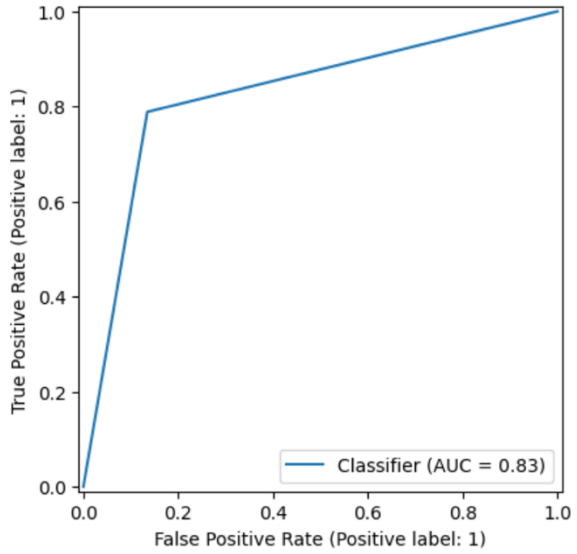
Cotton



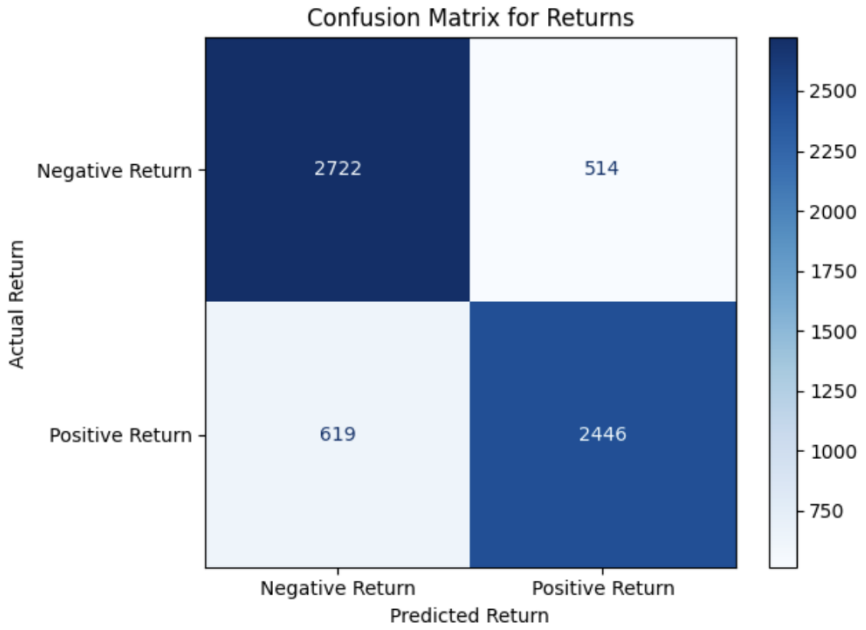
Soybeans



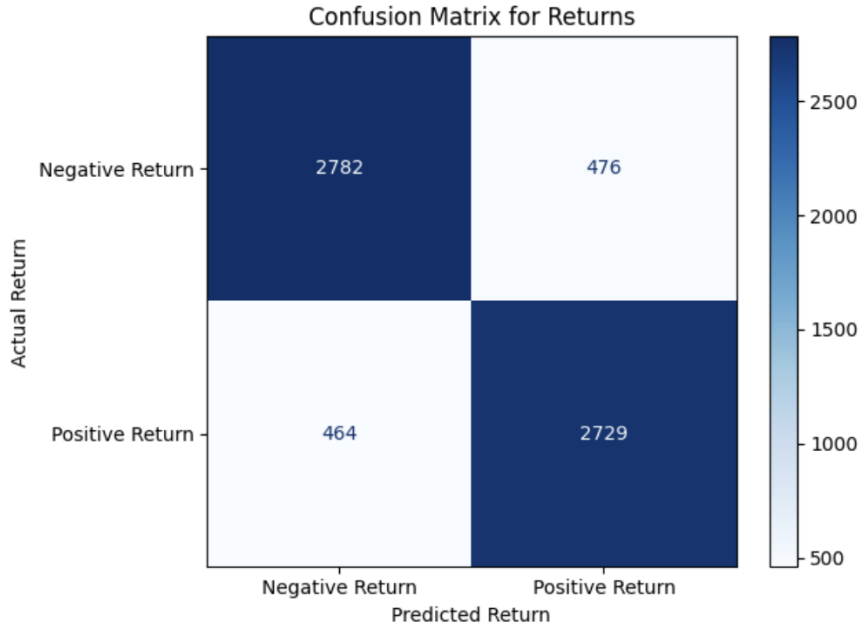
Wheat



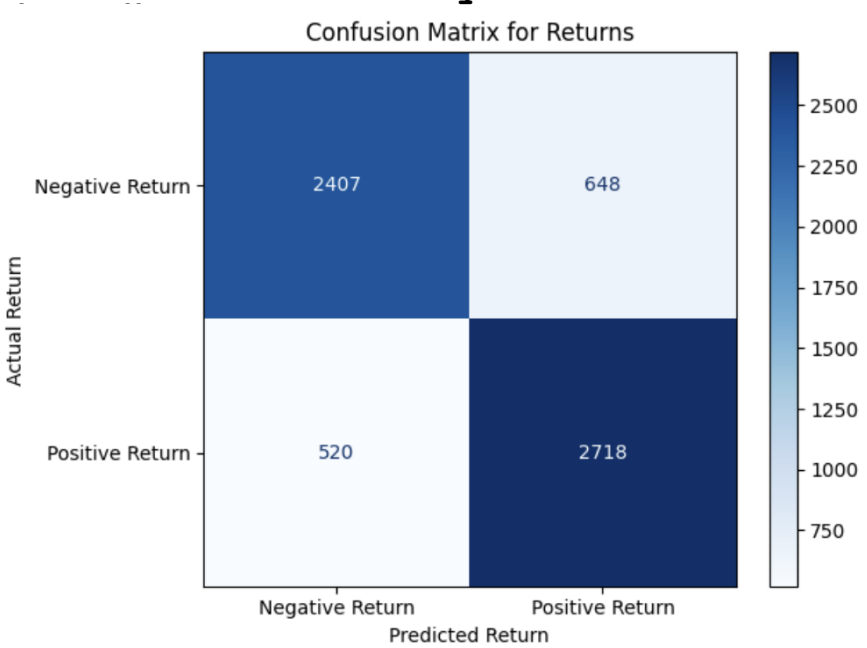
Corn



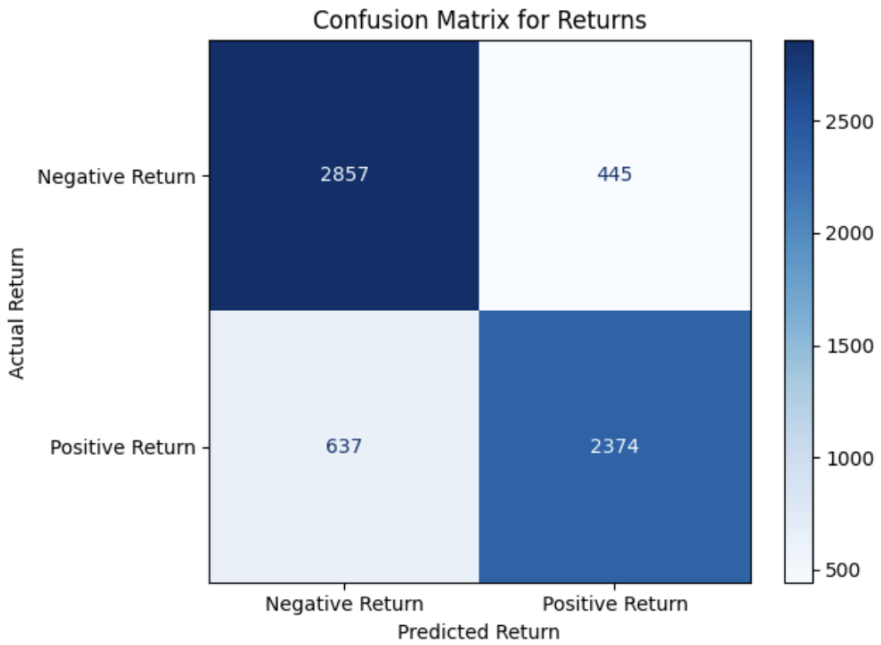
Cotton



Soybeans



Wheat



Corn	Predicted negative return	predicted total positive return	total totals
actual negative return	2722	514	3236
actual positive return	619	2446	3065
totals	3341	2960	6301

Cotton	Predicted negative return	predicted total positive return	total totals
actual negative return	2782	476	3258
actual positive return	464	2729	3193
totals	3246	3205	6451

Soybeans	Predicted negative return	predicted total positive return	total totals
actual negative return	2407	648	3055
actual positive return	520	2718	3238
totals	2927	3366	6301

Wheat	Predicted negative return	predicted total positive return	total totals
actual negative return	2857	445	3302
actual positive return	637	2374	3011
totals	3494	2819	6313