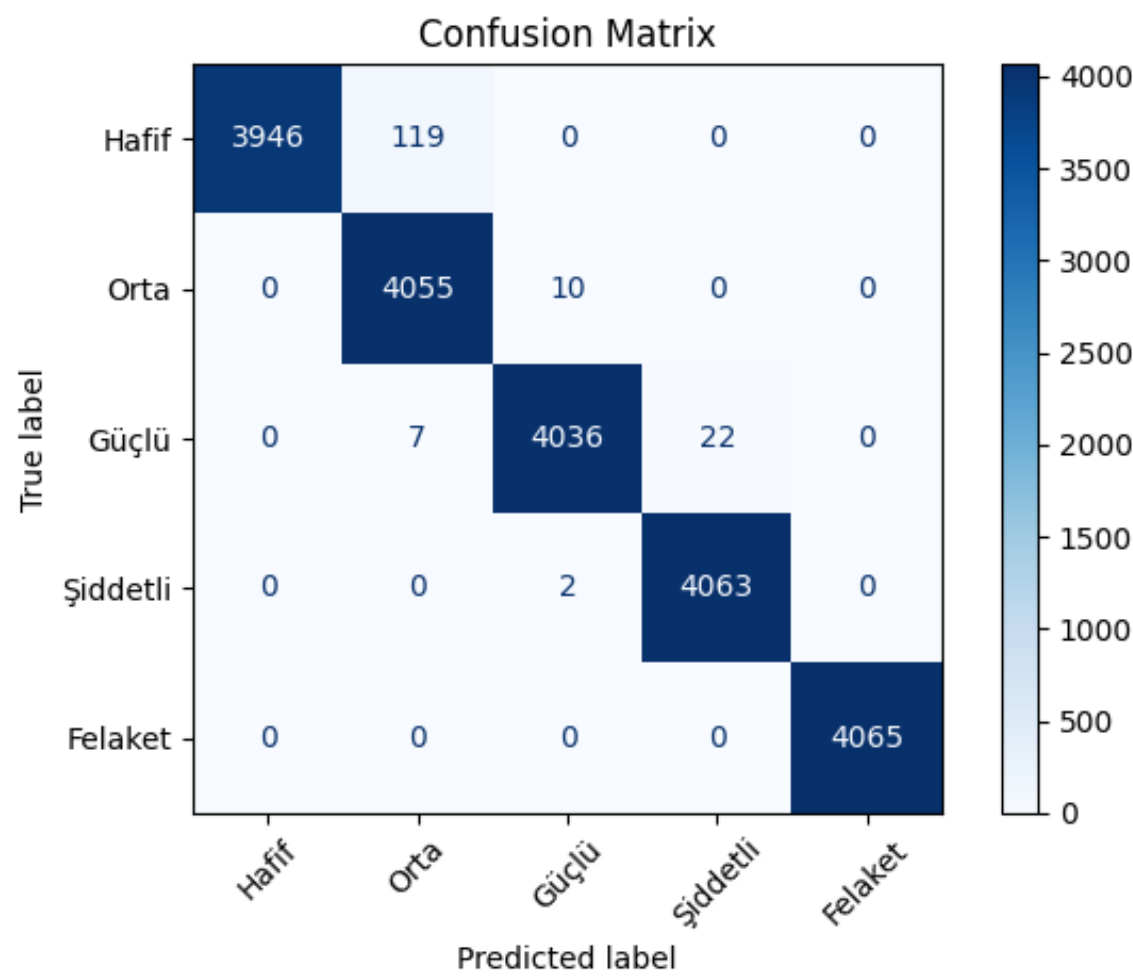
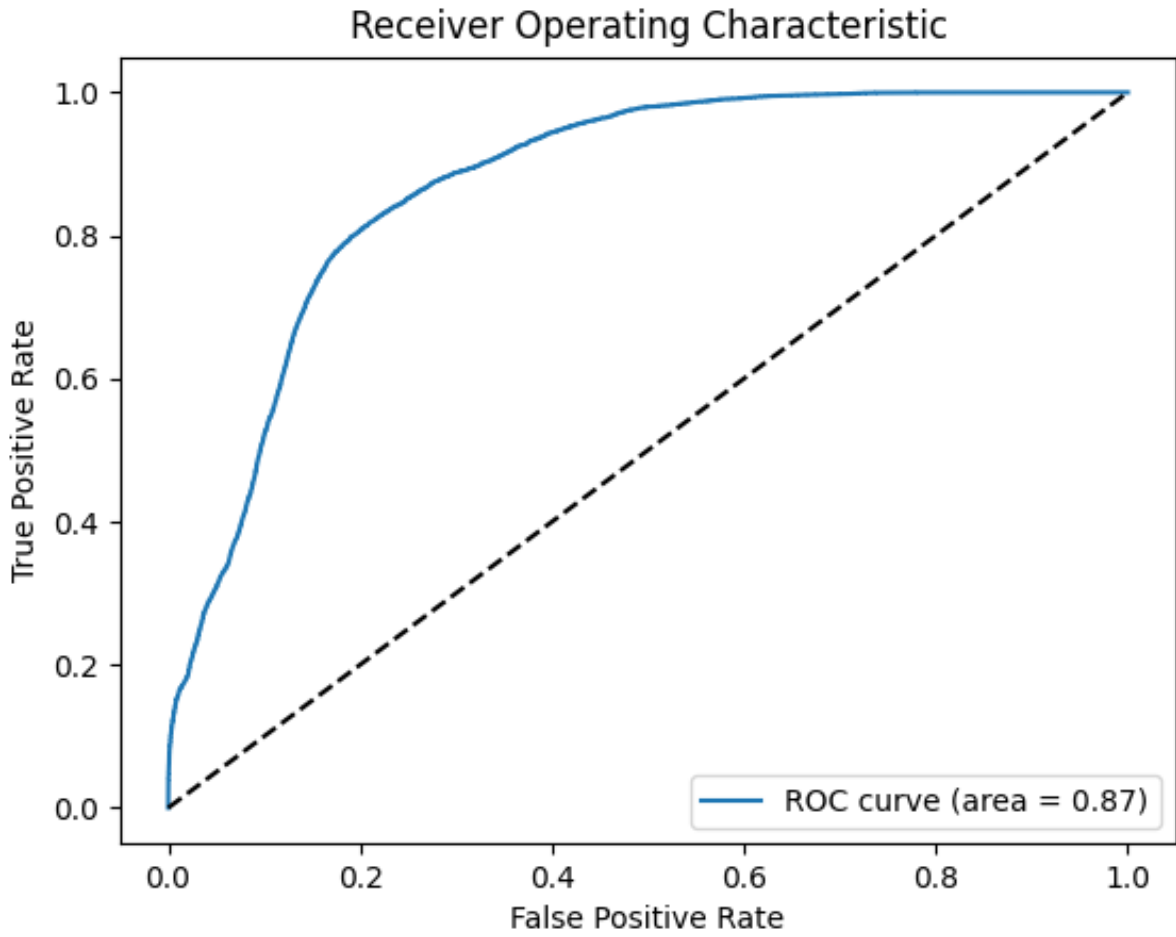


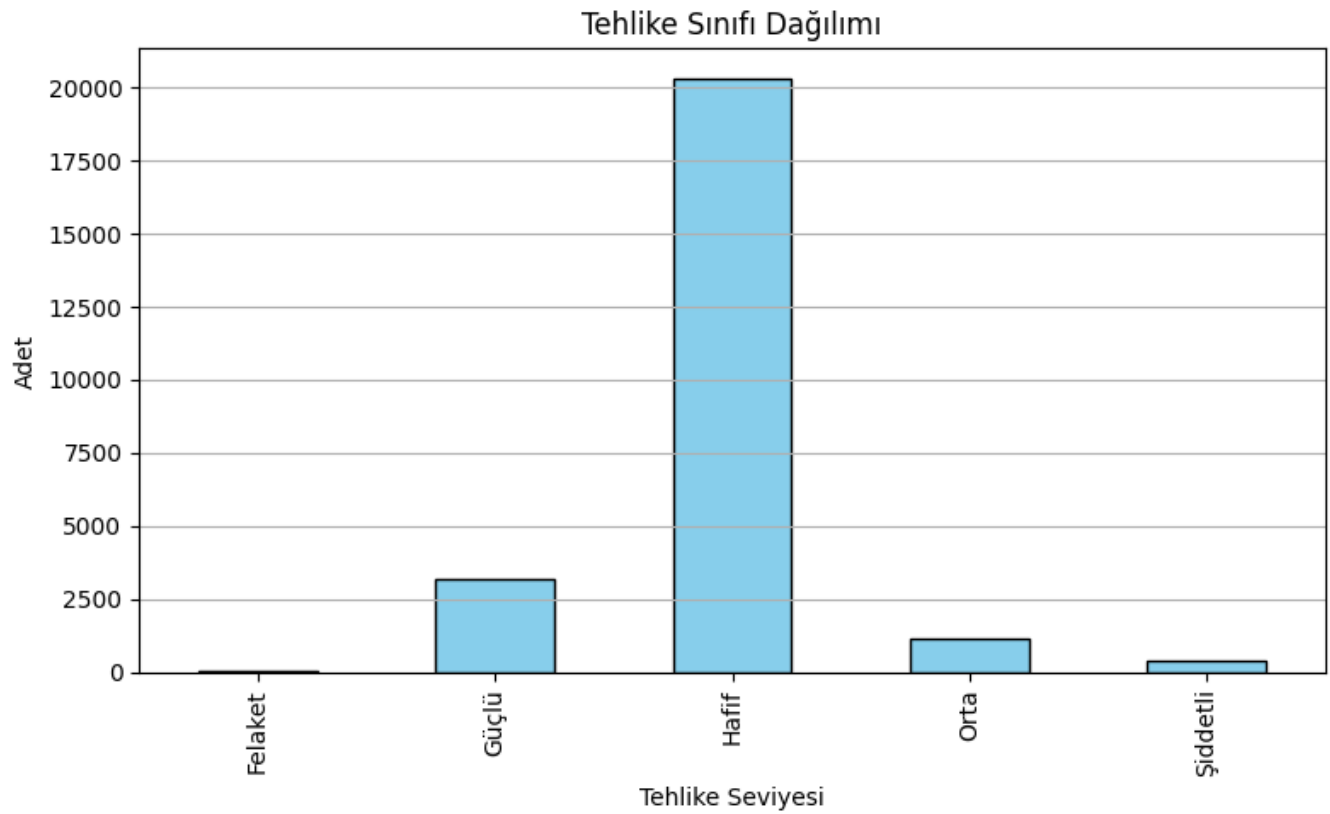
Earthquake Risk Analysis Report

Confusion Matrix / ROC Curve:

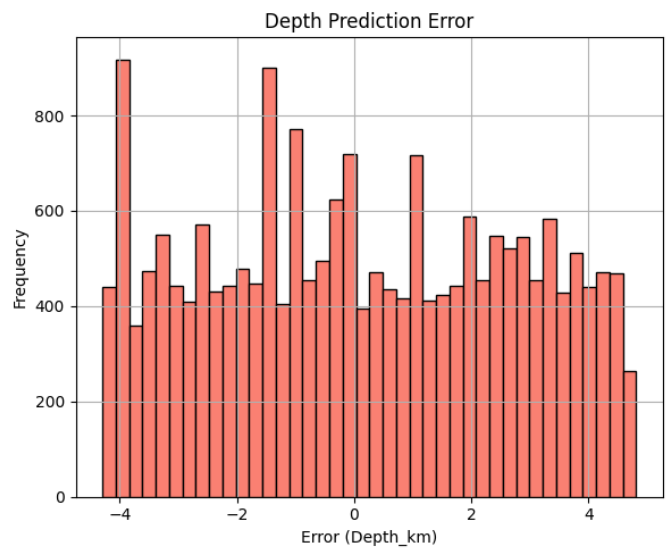
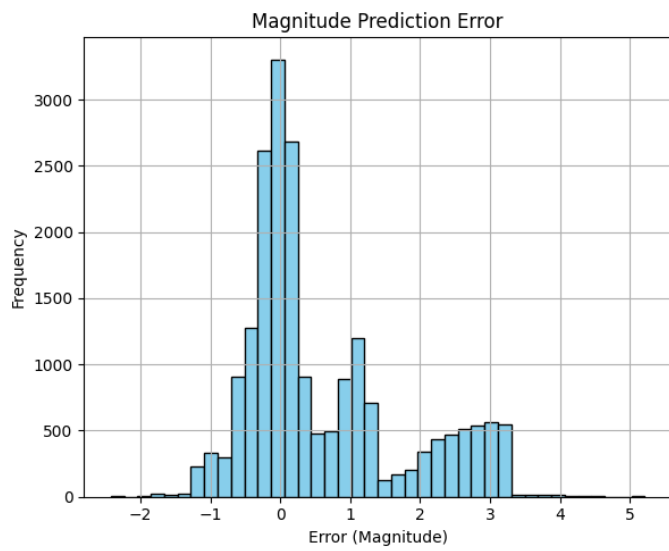




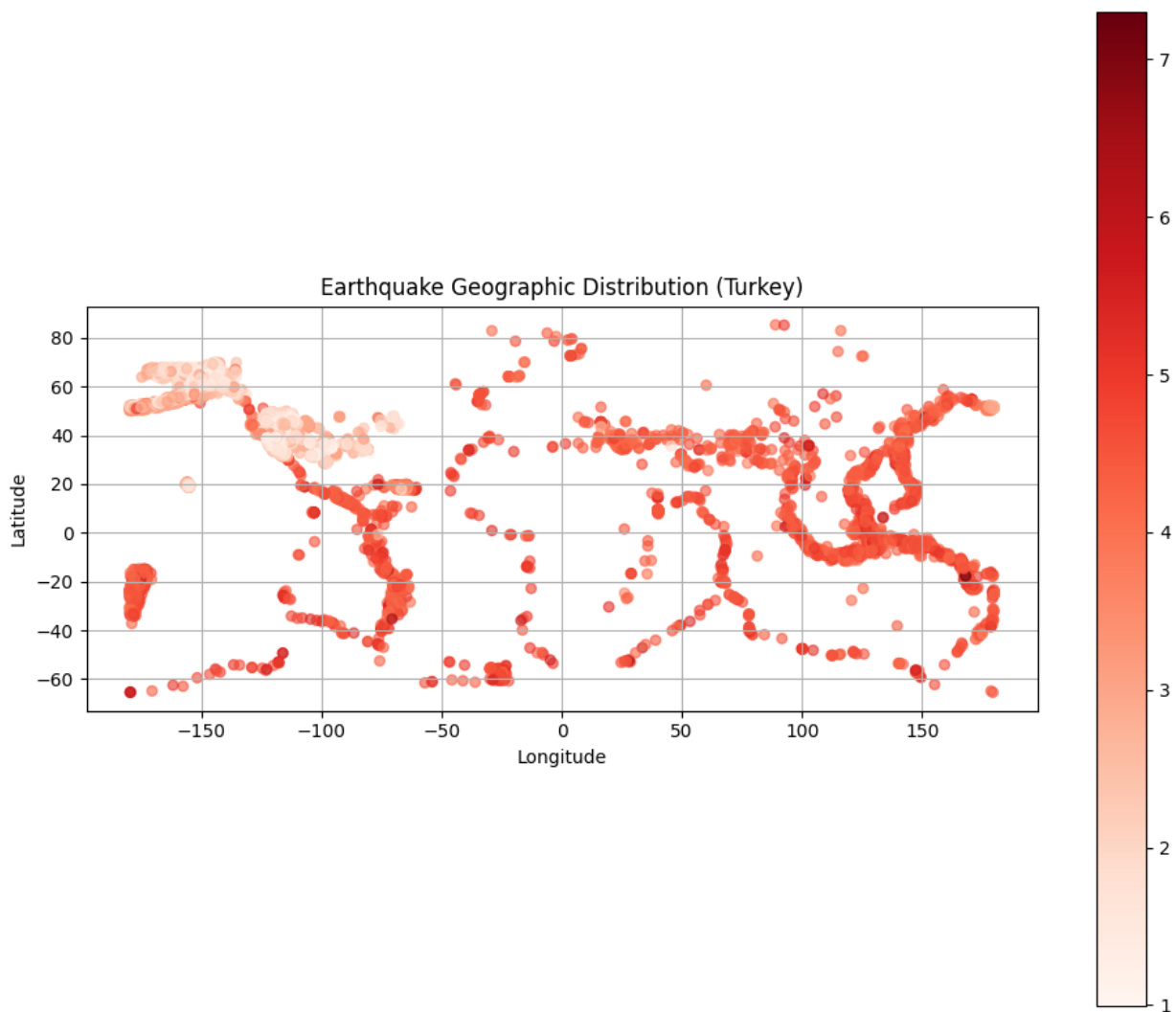
Class Distribution:



Regression Error Distribution:

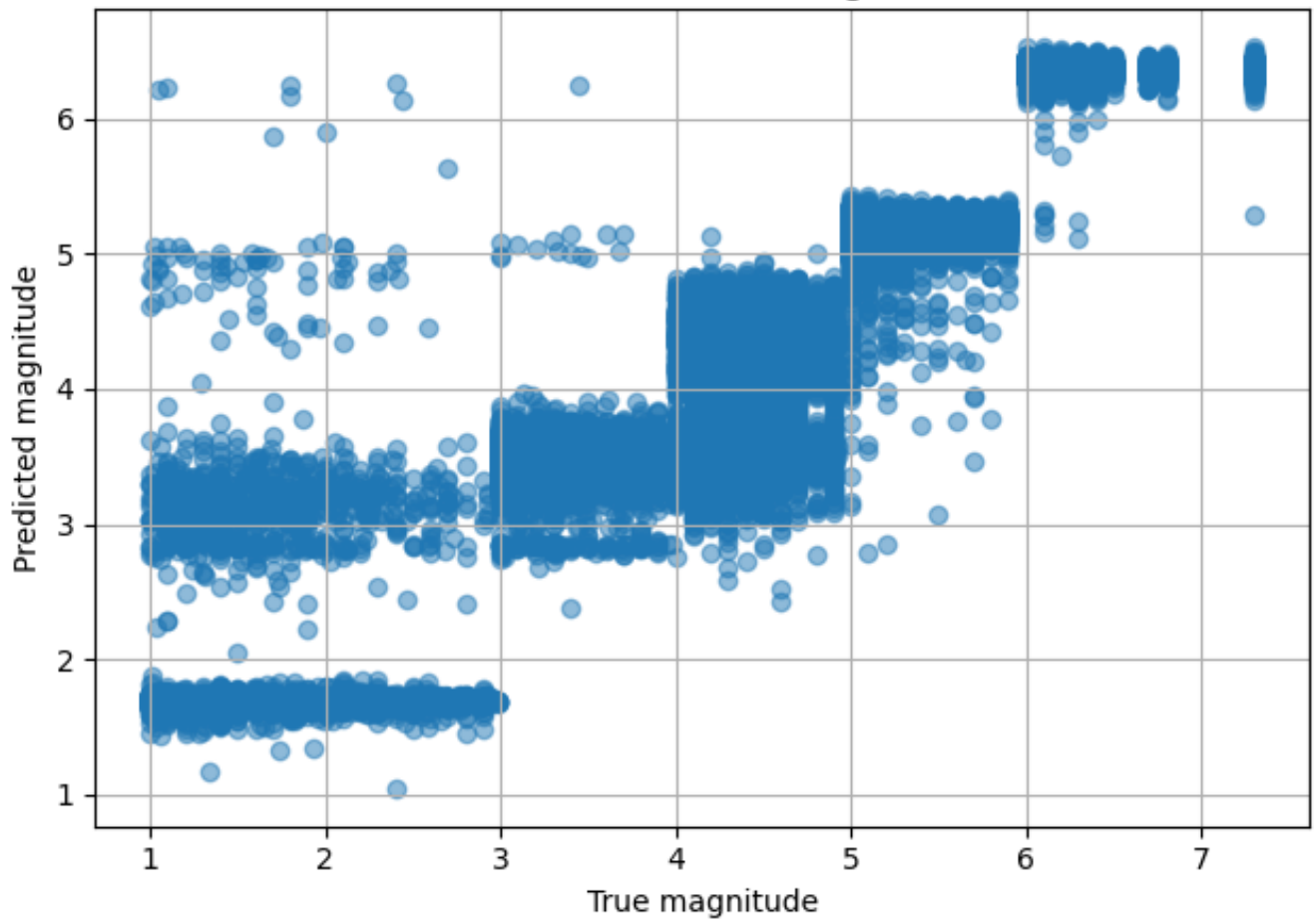


Geographic Risk Map:

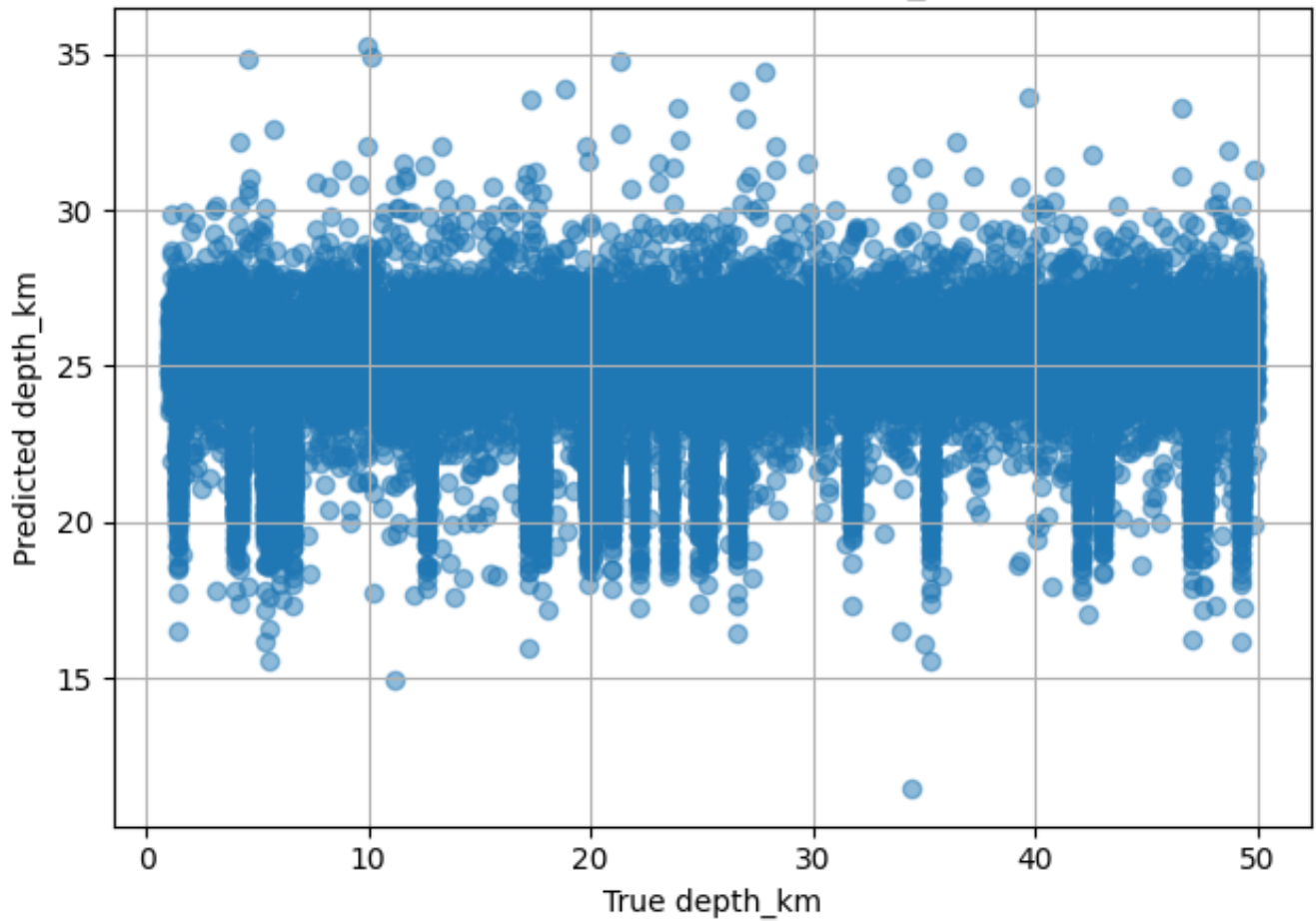


XGBoost Results:

XGBoost Prediction: magnitude



XGBoost Prediction: depth_km



Prediction Summary Statistics:

	feat_0	feat_1	feat_2	feat_3	feat_4	feat_5	feat_6	feat_7	feat_8	feat_9	feat_10	target
count	20325.00	20325.00	20325.00	20325.00	20325.0	20325.00	20325.00	20325.00	20325.00	20325.00	20325.00	20325.00
mean	-0.05	1.82	-0.92	1.01	0.0	0.03	0.01	-0.03	2.02	0.76	0.16	0.0
std	0.96	1.45	1.39	1.50	0.0	0.93	0.93	0.96	10.73	1.79	1.42	0.0
min	-1.73	-1.05	-4.45	-0.89	0.0	-1.52	-1.41	-0.76	-0.02	-0.63	-4.98	0.0
25%	-0.88	0.86	-1.99	-0.38	0.0	-0.74	-0.71	-0.76	-0.02	-0.20	-0.46	0.0
50%	-0.07	2.00	-0.82	0.48	0.0	0.03	0.00	-0.76	-0.01	0.13	-0.01	0.0
75%	0.77	2.85	0.16	2.78	0.0	0.82	0.71	1.31	0.11	0.86	0.91	0.0
max	1.74	4.59	1.96	3.46	0.0	1.58	1.41	1.31	90.28	14.67	3.93	0.0