

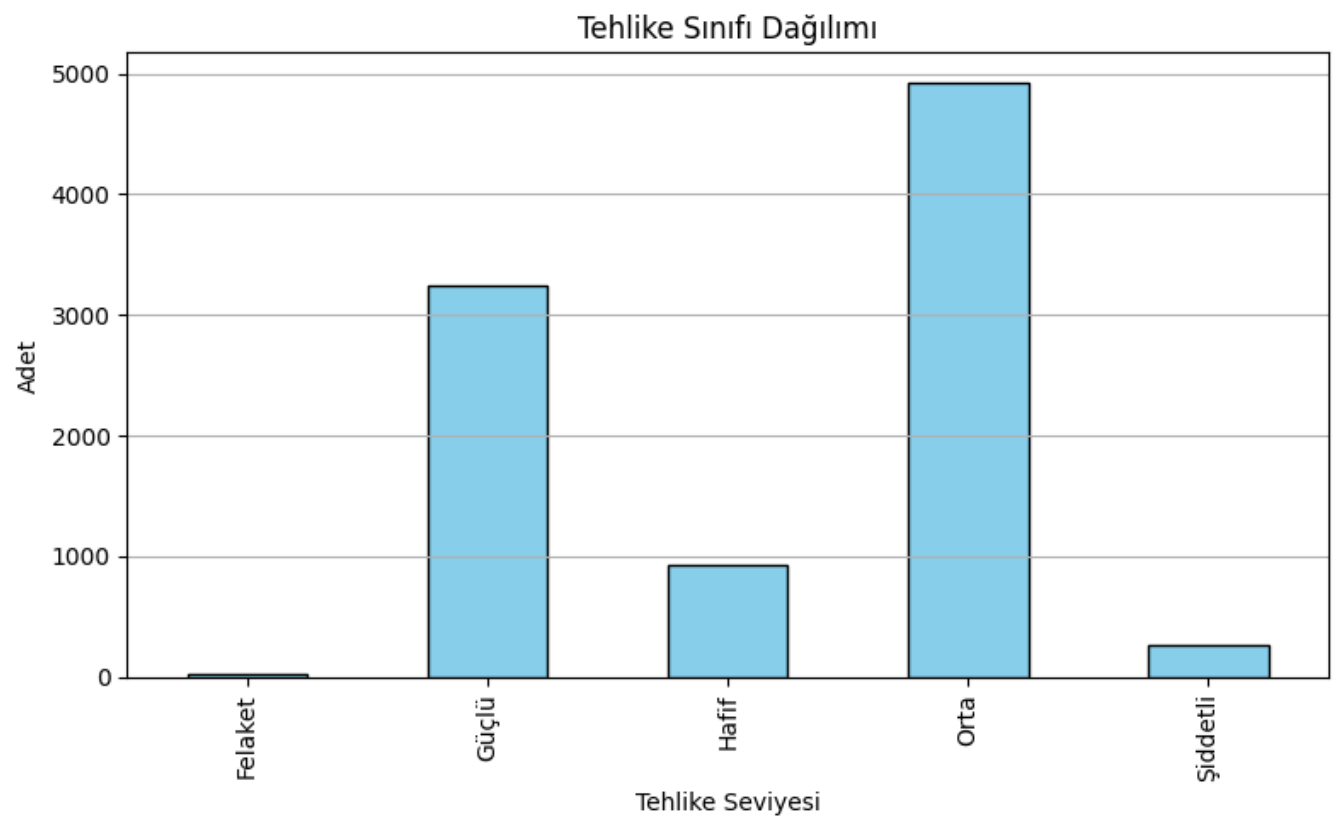
Earthquake Risk Analysis Report

Confusion Matrix / ROC Curve:

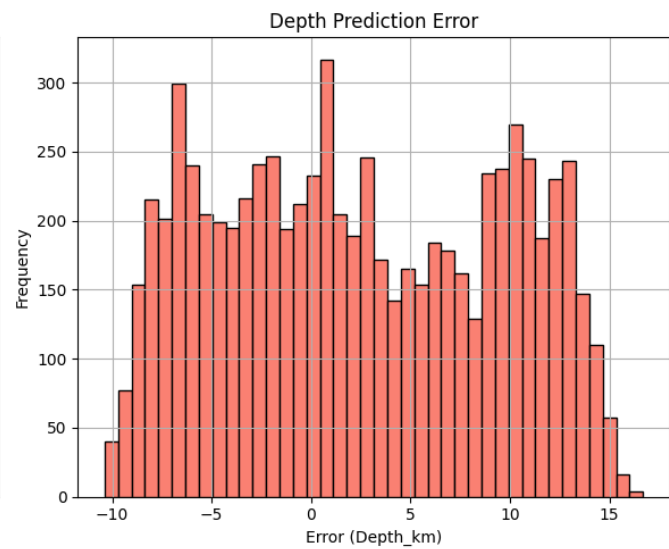
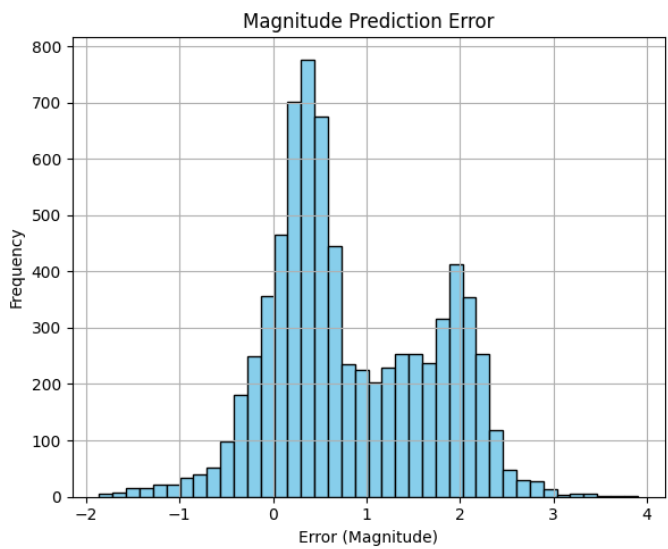
[Missing Image] data\confusion_matrix.png

[Missing Image] data\roc_curve.png

Class Distribution:



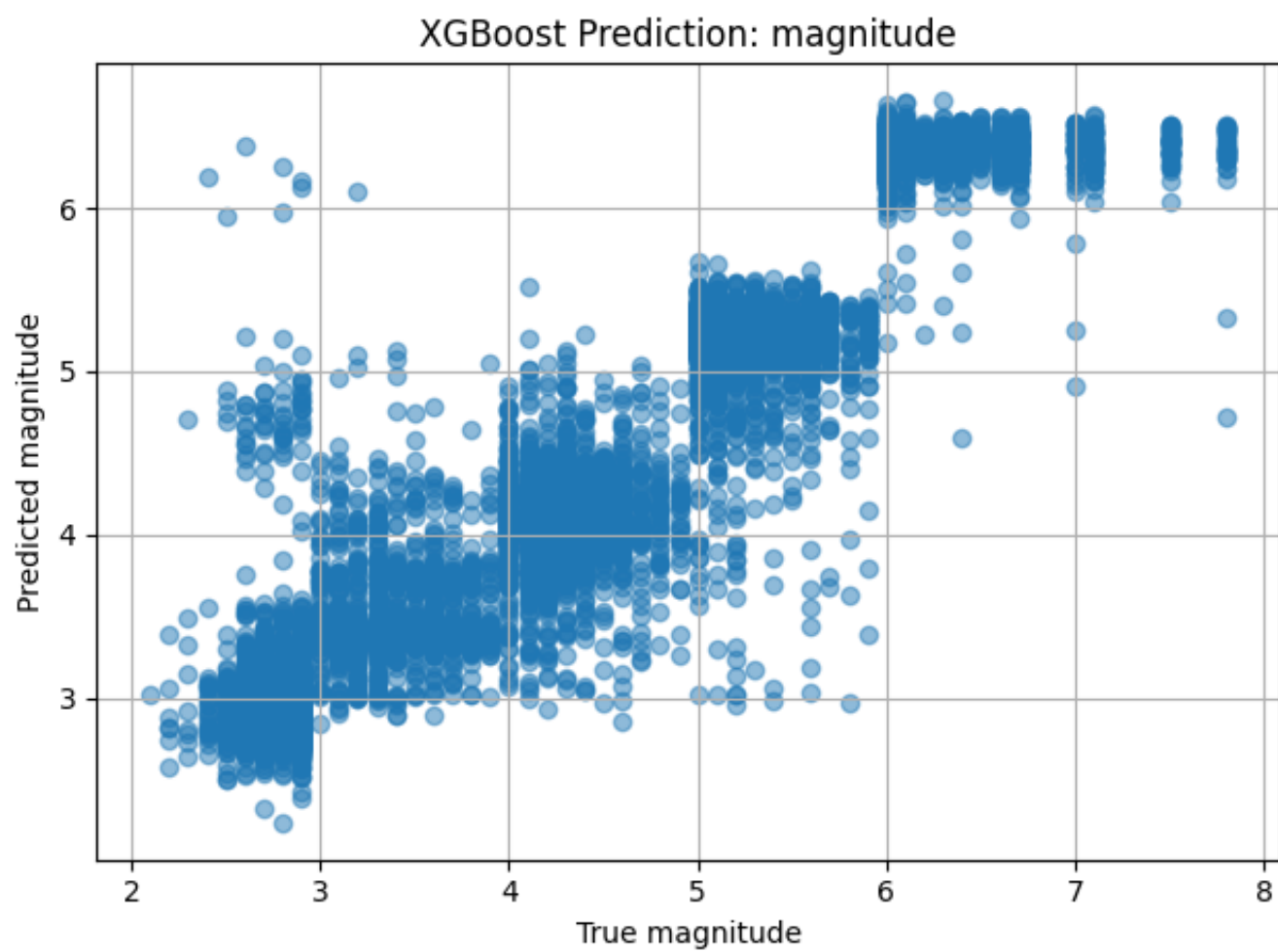
Regression Error Distribution:



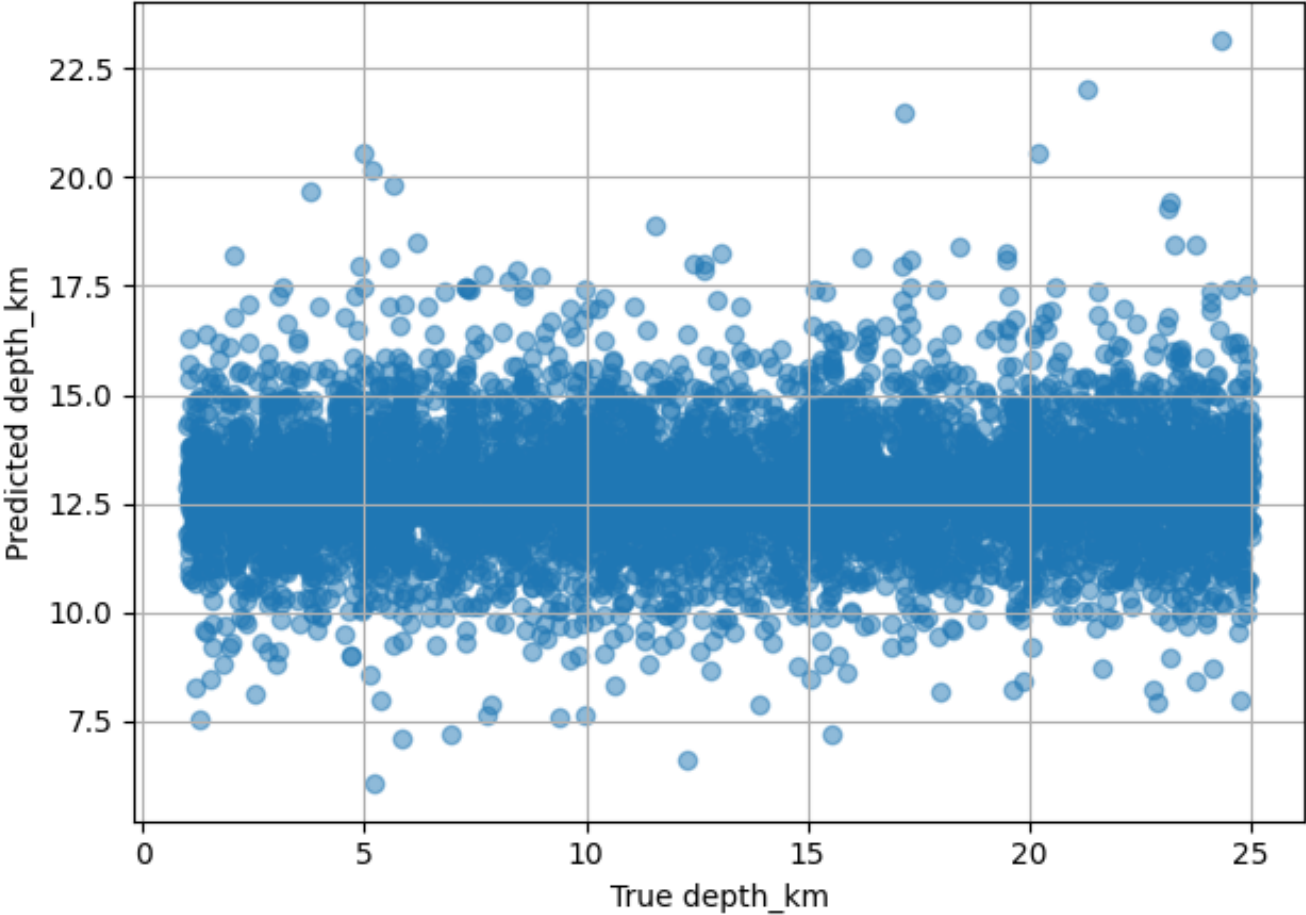
Geographic Risk Map:

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XGBoost Results:



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	true_class
count	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00	7392.00
mean	0.02	1.11	0.08	0.22	-0.11	-0.06	0.26	-0.05	0.58	0.15	-0.17	2.00
std	0.95	2.04	0.96	1.04	0.96	0.98	1.11	0.96	4.40	1.08	1.00	1.41
min	-1.72	-3.12	-1.63	-0.92	-1.52	-1.42	-1.25	-0.81	-0.02	-0.88	-3.08	0.00
25%	-0.78	-0.78	-0.70	-0.63	-0.95	-0.93	-0.67	-0.81	-0.02	-0.54	-0.92	1.00
50%	0.02	0.89	0.18	-0.26	-0.11	-0.02	-0.23	-0.81	-0.02	-0.20	-0.07	2.00
75%	0.84	2.66	0.76	1.17	0.76	0.79	1.37	1.24	0.01	0.39	0.62	3.00
max	1.71	6.35	2.51	2.76	1.61	1.53	2.24	1.24	87.87	6.40	2.51	4.00