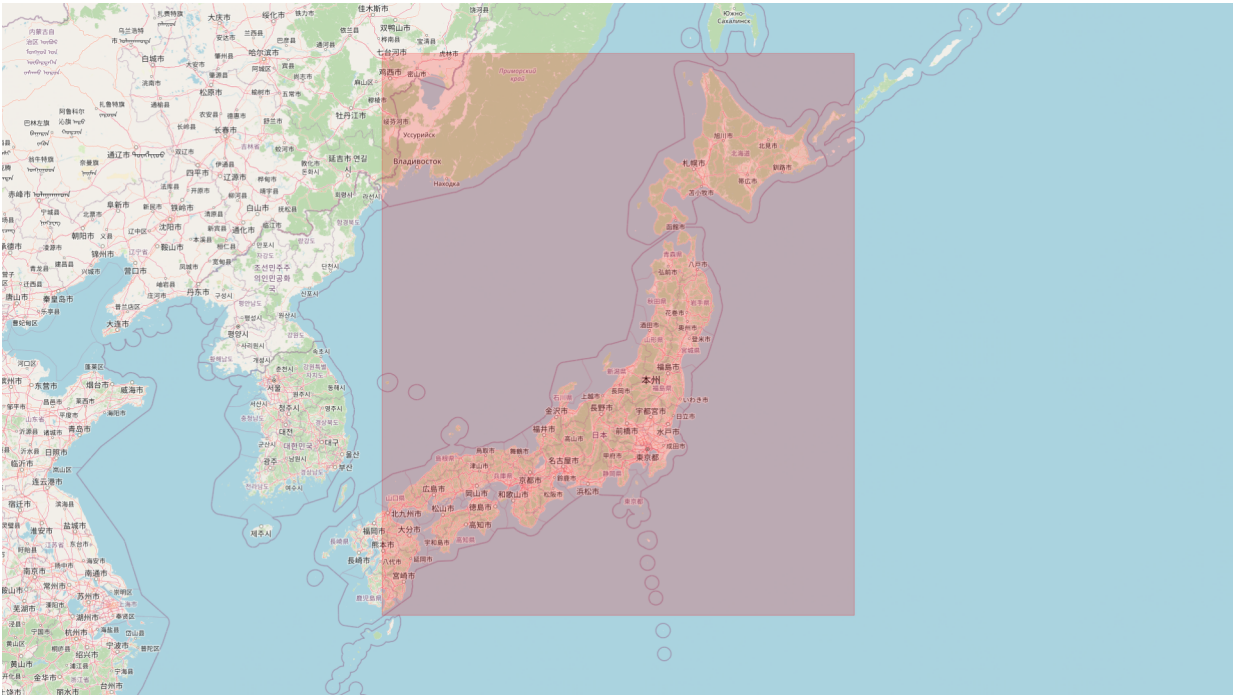


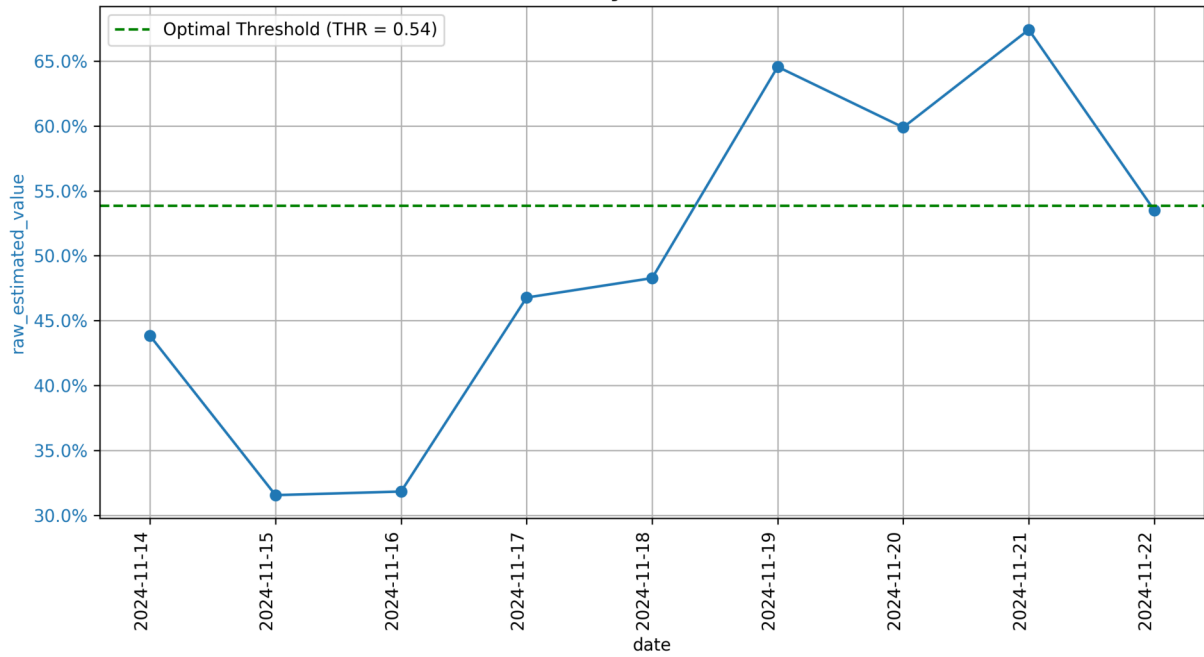
Earthquake magnitude forecast:
6.8+ probability for JAPAN.WHOLE



Zone coordinates

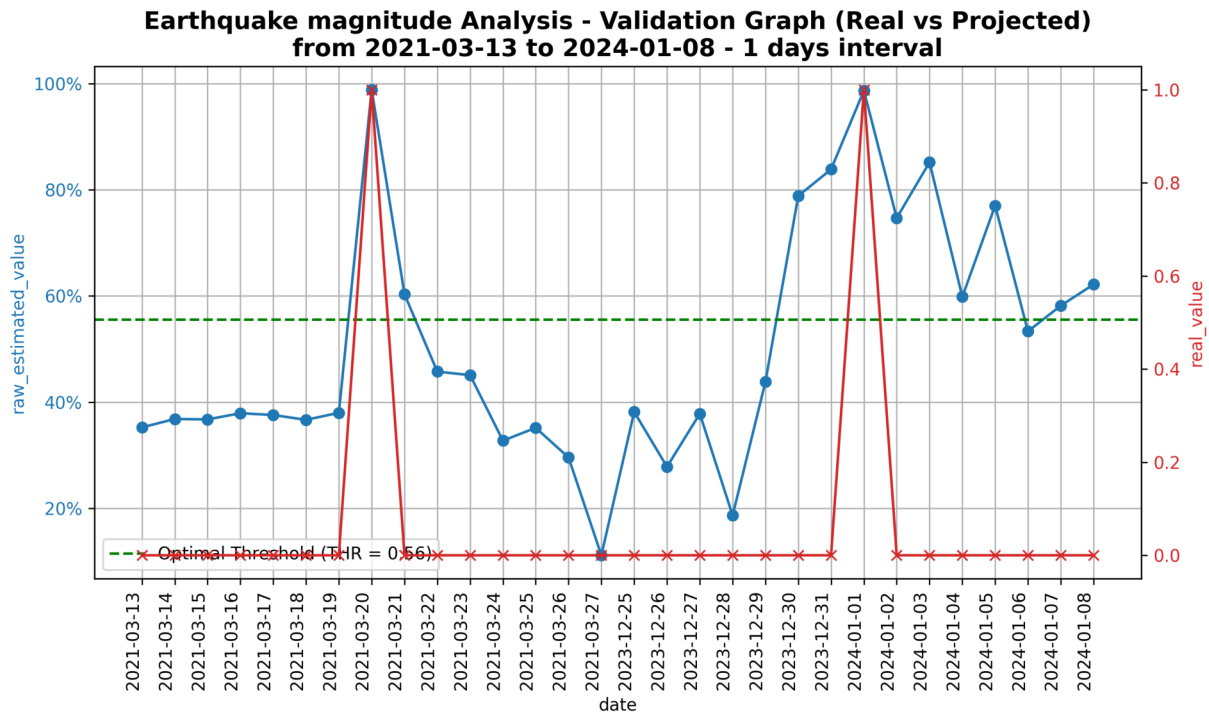
Zone	min Latitude	max Latitude	min Longitude	max Longitude
Zona 1	30.93	45.88	130.69	146.84
Zona 2	30.93	45.88	130.69	146.84
Zona 3	30.93	45.88	130.69	146.84
Zona 4	30.93	45.88	130.69	146.84
Zona 5	30.93	45.88	130.69	146.84
Zona 6	30.93	45.88	130.69	146.84
Zona 7	30.93	45.88	130.69	146.84
Zona 8	30.93	45.88	130.69	146.84
Zona 9	30.93	45.88	130.69	146.84

**Earthquake magnitude Analysis from 2024-11-14 to 2024-11-22 - Graph
 1 days interval**



**Earthquake magnitude Analysis from 2024-11-14 to 2024-11-22 - Table
 1 days interval**

date slot	raw estimated value	fpr	fnr	avg days	threshold	Optimal THR	Optimal fPr	Optimal fNr
2024-11-14	0.44	0.44	0.00	2.08	0.52	0.57	0.22	0.22
2024-11-15	0.32	0.41	0.00	1.72	0.47	0.52	0.21	0.21
2024-11-16	0.32	0.41	0.00	1.72	0.47	0.52	0.21	0.21
2024-11-17	0.47	0.41	0.00	1.72	0.47	0.52	0.21	0.21
2024-11-18	0.48	0.41	0.00	1.72	0.47	0.52	0.21	0.21
2024-11-19	0.65	0.41	0.00	1.72	0.47	0.52	0.21	0.21
2024-11-20	0.6	0.41	0.00	1.72	0.47	0.52	0.21	0.21
2024-11-21	0.67	0.44	0.00	2.08	0.52	0.57	0.22	0.22
2024-11-22	0.53	0.44	0.00	2.08	0.52	0.57	0.22	0.22



**Earthquake magnitude Analysis - Validation Time Table (Real vs Projected)
 from 2021-03-13 to 2024-01-08 - 1 days interval**

date slot	real value	raw estimated value	fpr	fnr	threshold	Optimal THR	Optimal fPr	Optimal fNr
2021-03-13	0.00	0.35	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-14	0.00	0.37	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-15	0.00	0.37	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-16	0.00	0.38	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-17	0.00	0.38	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-18	0.00	0.37	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-19	0.00	0.38	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-20	1.00	0.99	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-21	0.00	0.6	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-22	0.00	0.46	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-23	0.00	0.45	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-24	0.00	0.33	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-25	0.00	0.35	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-26	0.00	0.3	0.37	0.00	0.41	0.45	0.18	0.18
2021-03-27	0.00	0.11	0.37	0.00	0.41	0.45	0.18	0.18
2023-12-25	0.00	0.38	0.50	0.00	0.60	0.66	0.25	0.25
2023-12-26	0.00	0.28	0.50	0.00	0.60	0.66	0.25	0.25
2023-12-27	0.00	0.38	0.50	0.00	0.60	0.66	0.25	0.25
2023-12-28	0.00	0.19	0.50	0.00	0.60	0.66	0.25	0.25
2023-12-29	0.00	0.44	0.50	0.00	0.60	0.66	0.25	0.25