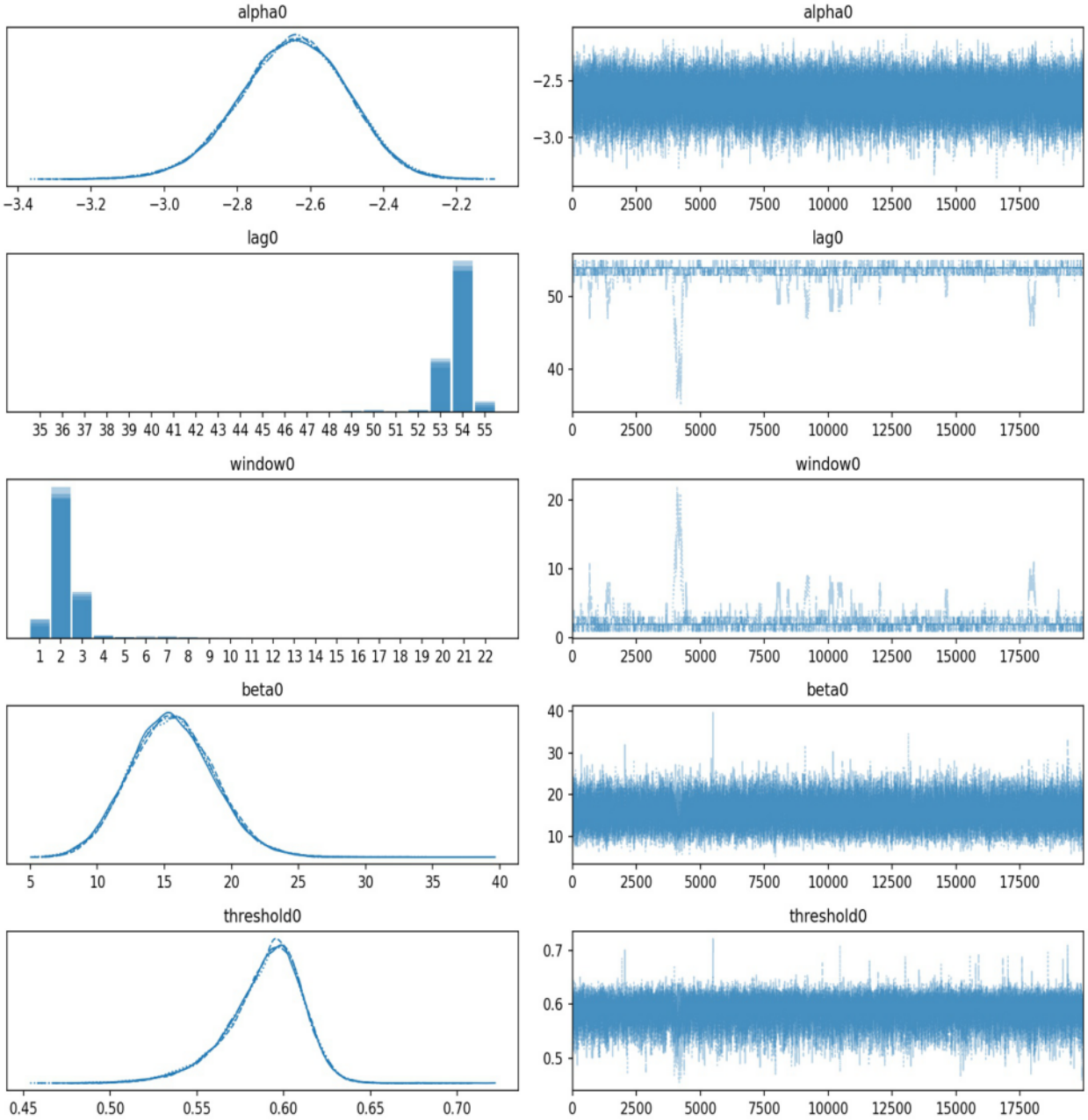
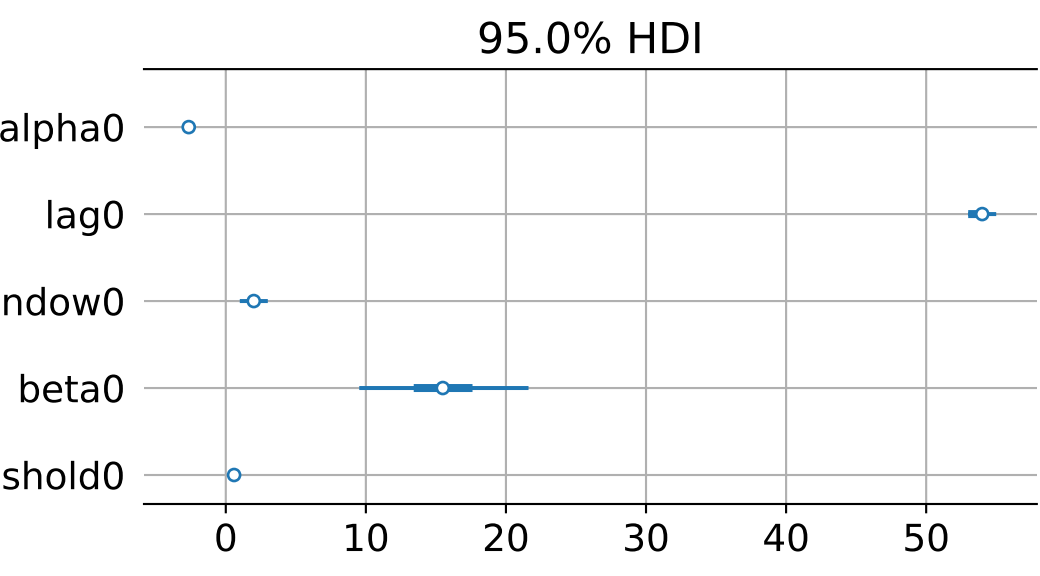
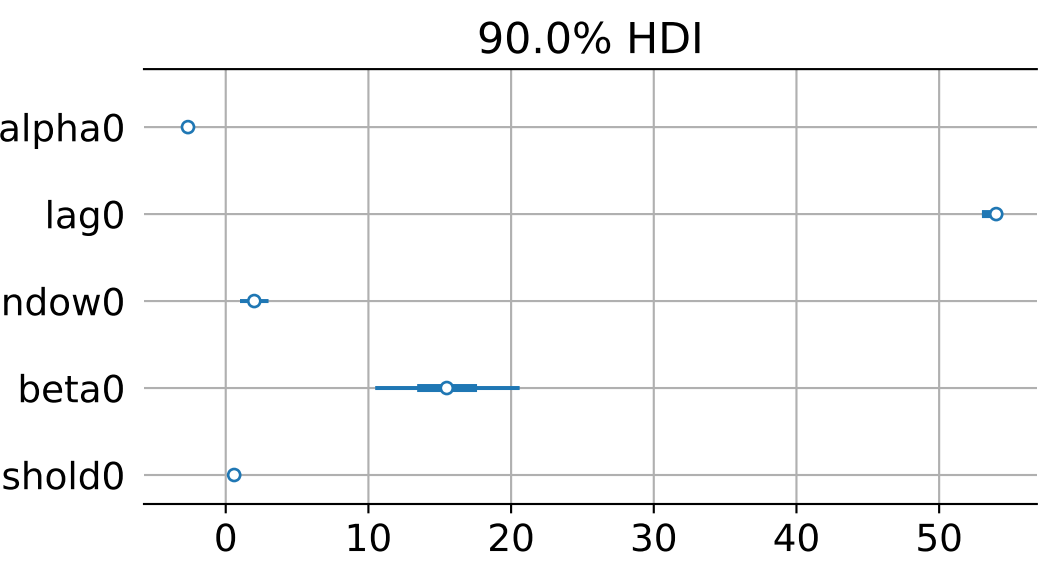
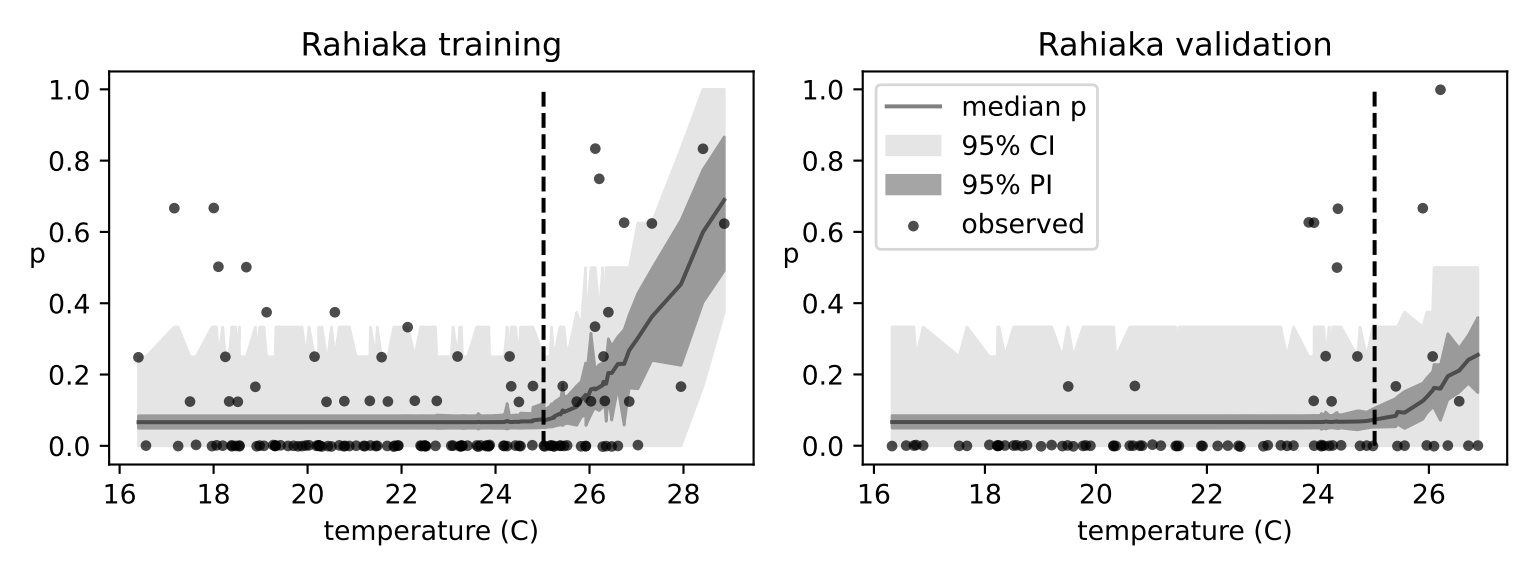
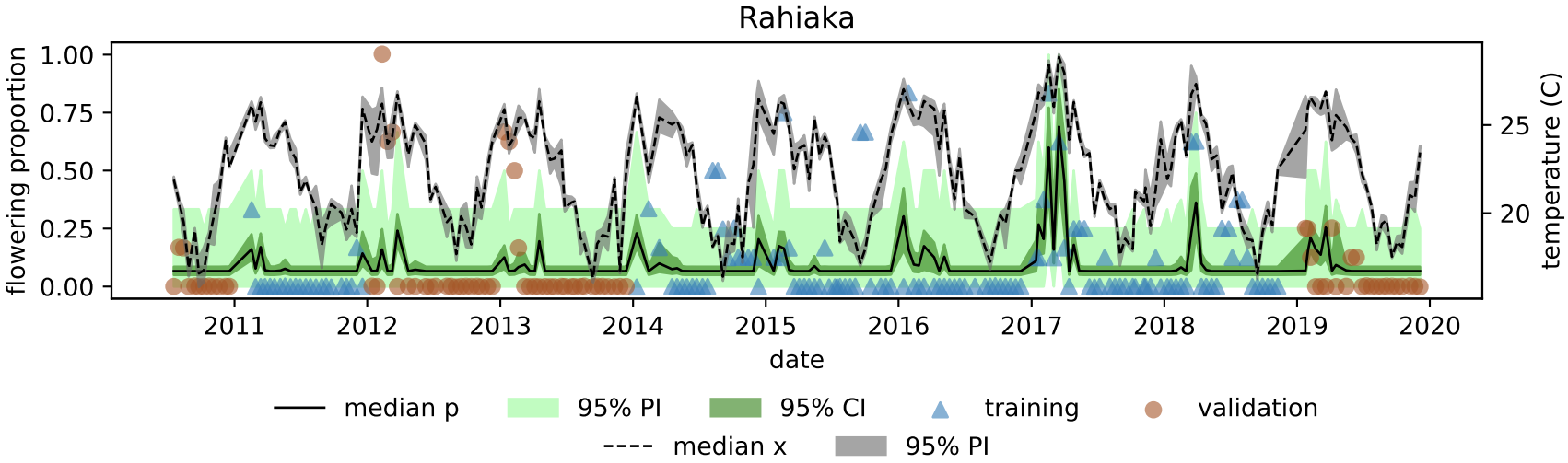
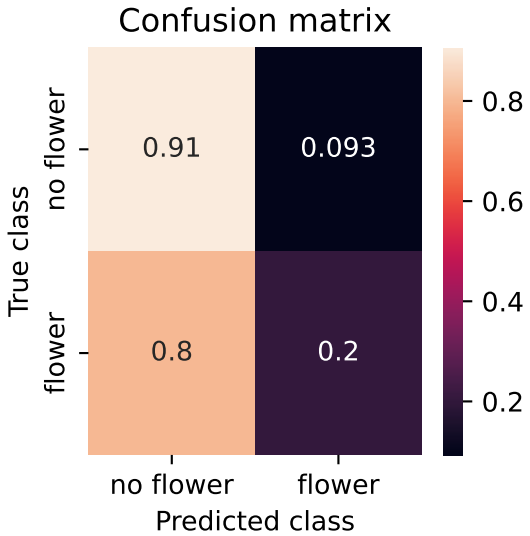

alpha0
−3.4 −3.2 −3.0 −2.8 −2.6 −2.4 −2.2
alpha0
−2.5
−3.0
0 2500 5000 7500 10000 12500 15000 17500
lag0
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55
lag0
50
40
0 2500 5000 7500 10000 12500 15000 17500
window0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
window0
20
10
0
0 2500 5000 7500 10000 12500 15000 17500
beta0
5 10 15 20 25 30 35 40
beta0
40
30
20
10
0 2500 5000 7500 10000 12500 15000 17500
threshold0
0.45 0.50 0.55 0.60 0.65 0.70
threshold0
0.7
0.6
0.5
0 2500 5000 7500 10000 12500 15000 17500

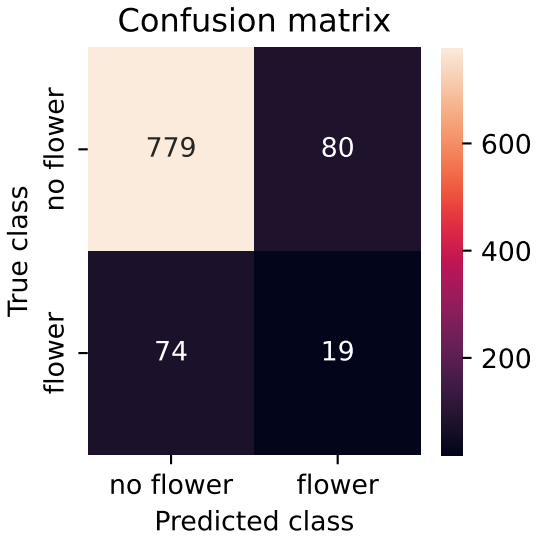

95.0% HDI
alpha0
lag0
ndow0
beta0
shold0
0
10
20
30
40
50

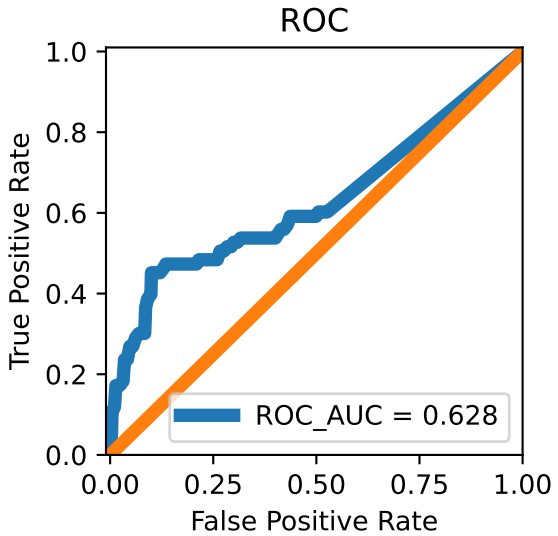

90.0% HDI
alpha0
lag0
ndow0
beta0
shold0
0
10
20
30
40
50

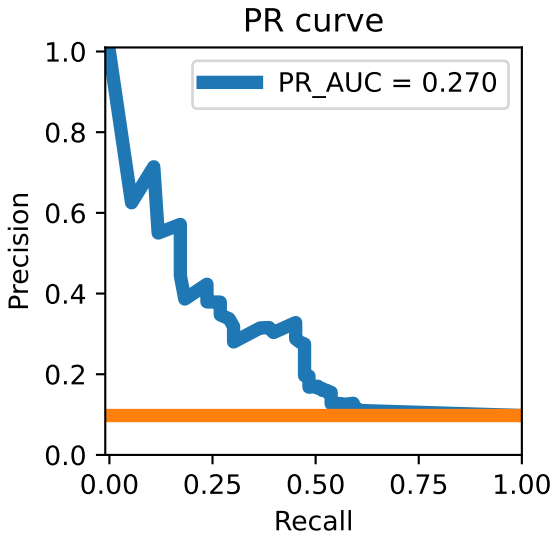

Rahiaka training
Rahiaka validation
p
temperature (C)
median p
95% CI
95% PI
observed
0.0
0.2
0.4
0.6
0.8
1.0
16
18
20
22
24
26
28

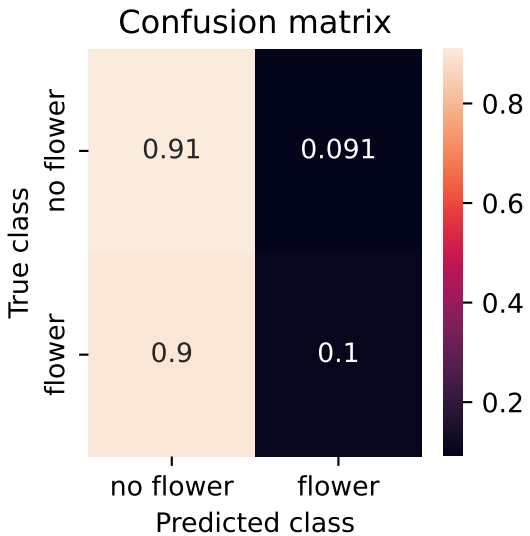

Rahiaka
flowering proportion
1.00
0.75
0.50
0.25
0.00
temperature (C)
25
20
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
date
median p
95% PI
95% CI
training
validation
median x
95% PI

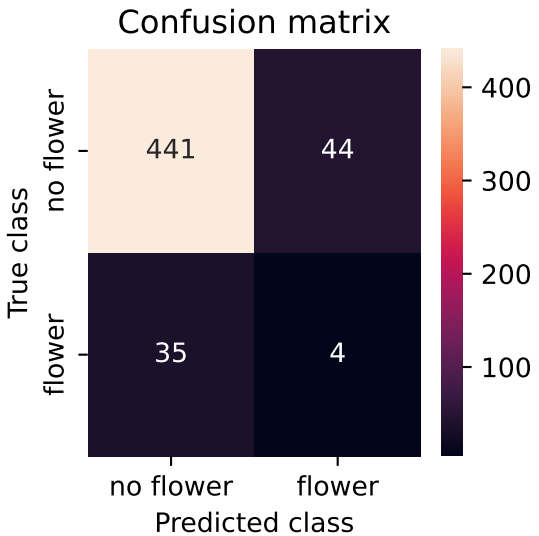

Confusion matrix
True class
no flower
flower
0.91
0.093
0.8
0.2
no flower
flower
Predicted class
0.8
0.6
0.4
0.2

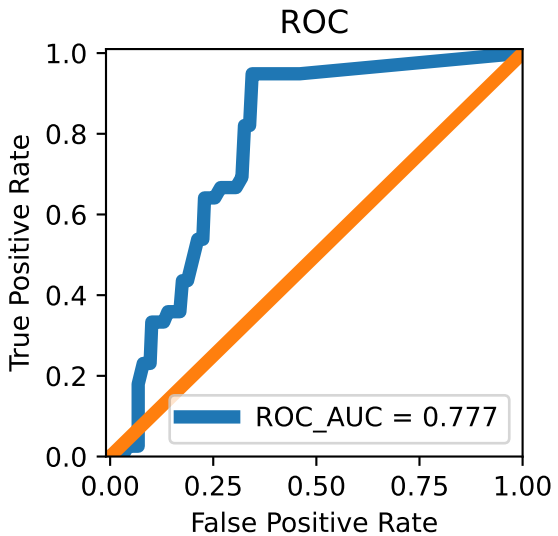

Confusion matrix
True class
no flower
flower
779
80
74
19
no flower
flower
Predicted class
600
400
200

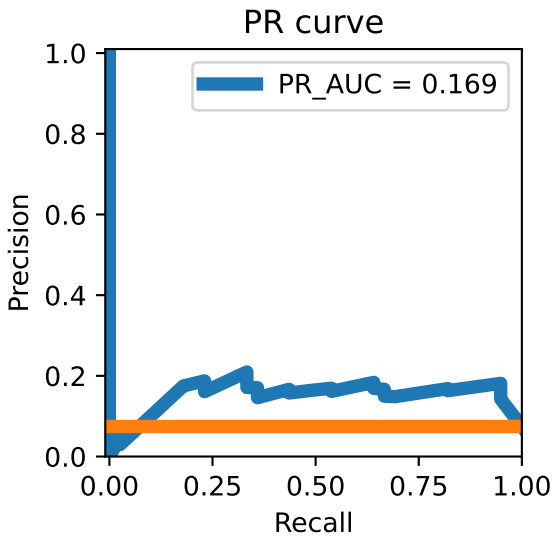

ROC
True Positive Rate
False Positive Rate
ROC_AUC = 0.628
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.25
0.50
0.75
1.00


PR curve
Precision
Recall
PR_AUC = 0.270
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.25
0.50
0.75
1.00


Confusion matrix
True class
no flower
flower
0.91
0.091
0.9
0.1
no flower
flower
Predicted class
0.8
0.6
0.4
0.2


Confusion matrix
True class
no flower
flower
441
44
35
4
no flower
flower
Predicted class
400
300
200
100


ROC
True Positive Rate
False Positive Rate
ROC_AUC = 0.777
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.25
0.50
0.75
1.00


PR curve
Precision
Recall
PR_AUC = 0.169
0.0
0.2
0.4
0.6
0.8
1.0
0.00
0.25
0.50
0.75
1.00

	train_precision	train_recall	train_f1-score	train_support	valid_precision	valid_recall	valid_f1-score	valid_support
0.0	0.913	0.907	0.91	859.0	0.926	0.909	0.918	485.0
1.0	0.192	0.204	0.198	93.0	0.083	0.103	0.092	39.0
accuracy	0.838	0.838	0.838	0.838	0.849	0.849	0.849	0.849
macro avg	0.553	0.556	0.554	952.0	0.505	0.506	0.505	524.0
weighted avg	0.843	0.838	0.84	952.0	0.864	0.849	0.856	524.0

	median	mean	sd	hdi_3%	hdi_97%	mcse_mean	mcse_sd	ess_bulk	ess_tail	r_hat
alpha0	-2.645	-2.648	0.146	-2.921	-2.374	0.001	0.001	32032.0	43844.0	1.0
lag0	54.0	53.652	1.117	53.0	55.0	0.062	0.044	684.0	806.0	1.01
window0	2.0	2.301	1.2	1.0	3.0	0.065	0.049	748.0	514.0	1.01
beta0	15.494	15.562	3.108	9.747	21.355	0.025	0.018	14640.0	19977.0	1.0
threshold0	25.022	24.966	15.094	24.218	25.628	0.0	0.0	11591.0	13976.0	1.0

	lower_95	upper_95	lower_90	upper_90	lower_80	upper_80	lower_50	upper_50
alpha0	-2.942	-2.37	-2.884	-2.406	-2.832	-2.457	-2.738	-2.54
lag0	53.0	55.0	53.0	54.0	53.0	54.0	54.0	54.0
window0	1.0	3.0	1.0	3.0	2.0	3.0	2.0	2.0
beta0	9.529	21.612	10.475	20.599	11.523	19.439	13.225	17.408
threshold0	24.152	25.64	24.357	25.562	24.571	25.475	24.863	25.311

	metric	se	p	n_samples	n_datapoints
loo	-172.057	20.169	11.824	80000.0	137.0
waic	-170.601	19.927	10.368	80000.0	137.0
deviance	344.115	40.338	11.824	80000.0	137.0