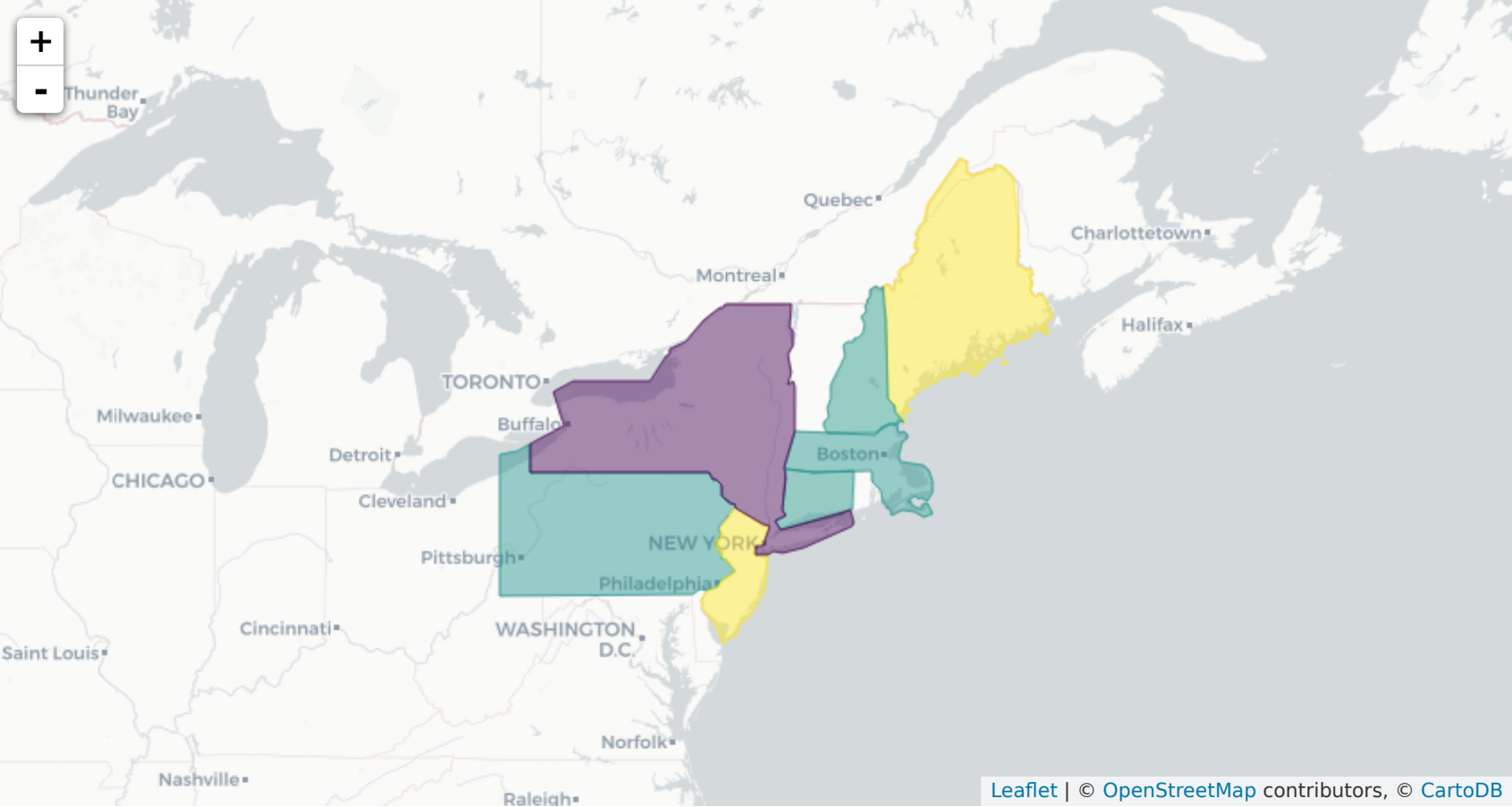
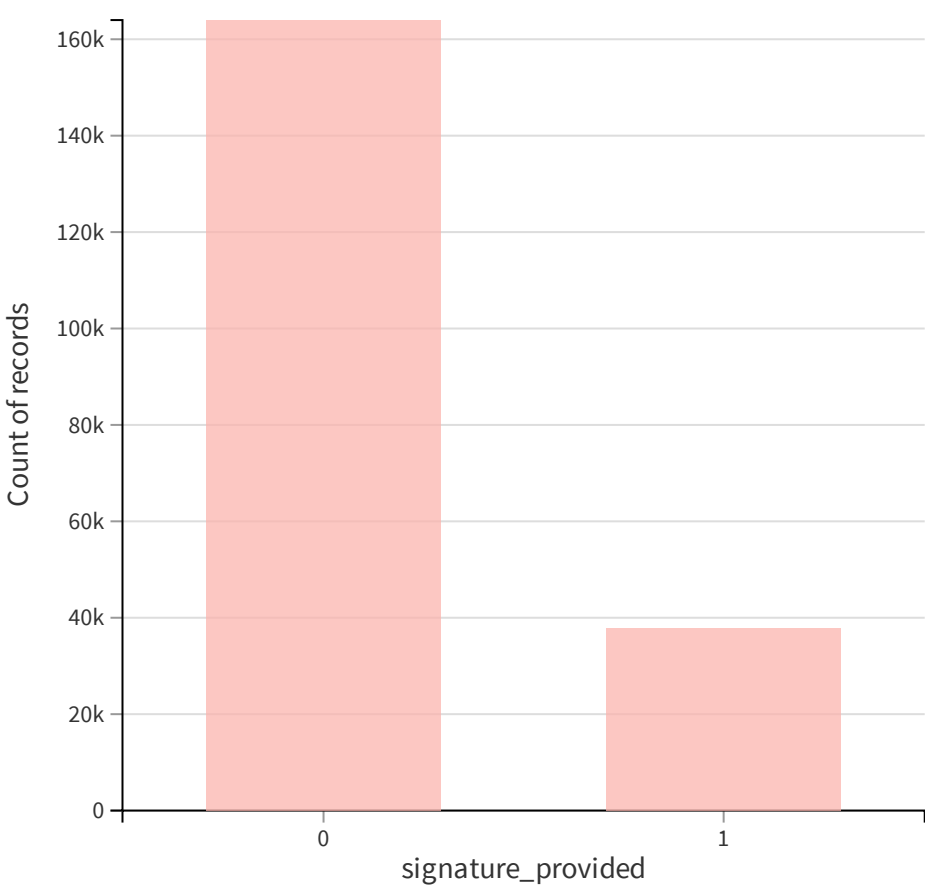


[Sample](#)



Count by signature\_provided on data\_labeled



transactions\_joined\_prepared\_by\_merchant\_id table

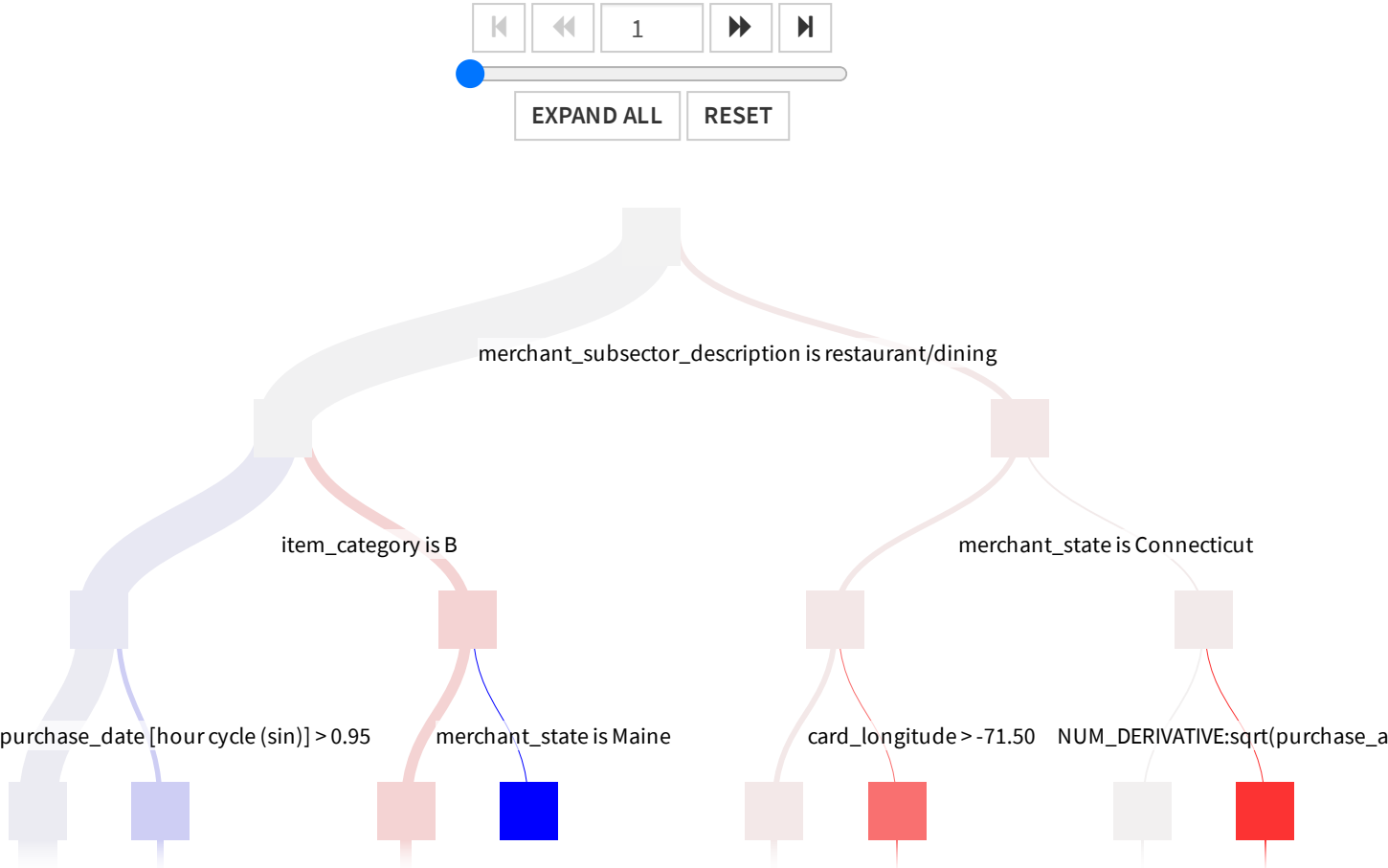
[Sample](#)



merchant_id	purchase_amount_avg	merchant_geopoint_distinct	fraud_sum	count
M_ID_2637773dd2	186.4271153846154	387	63.0	988
M_ID_2bc1b73a80	125.29466666666669	13	0.0	30
M_ID_397451141a	161.808	2	3.0	5
M_ID_71a4956849	97.3806	23	2.0	50
M_ID_376e061d95	644.19	1	0.0	2
M_ID_46751e9713	107.4890909090909	5	0.0	11
M_ID_9424991868	61.776428571428575	5	0.0	14
M_ID_d4554e4e5f	683.125	2	0.0	6
M_ID_32dd75de32	270.67	2	0.0	3
M_ID_7d052c3ea4	54.787499999999994	2	0.0	4
M_ID_3111c6df35	812.9865405405404	288	187.0	740

Decision trees

⚠ Warning : because the number of nodes was too high, only a limited number of trees is shown.



Probabilities

0 : 50.27%  
1 : 49.73%

Target classes

0 : 10.49%  
1 : 89.51%

Decision rules

Samples Count

50,584 (100.00%)

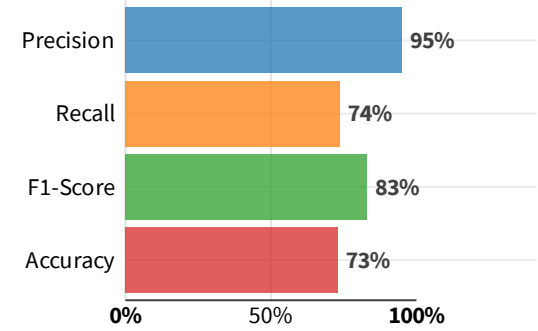
Confusion matrix

Threshold (cut-off) 0  1

0.550 BACK TO OPTIMAL

Display: Record count

	Predicted 1	Predicted 0	Total
Actually 1	13322	4753	18075
Actually 0	684	1329	2013
Total	14006	6082	20088

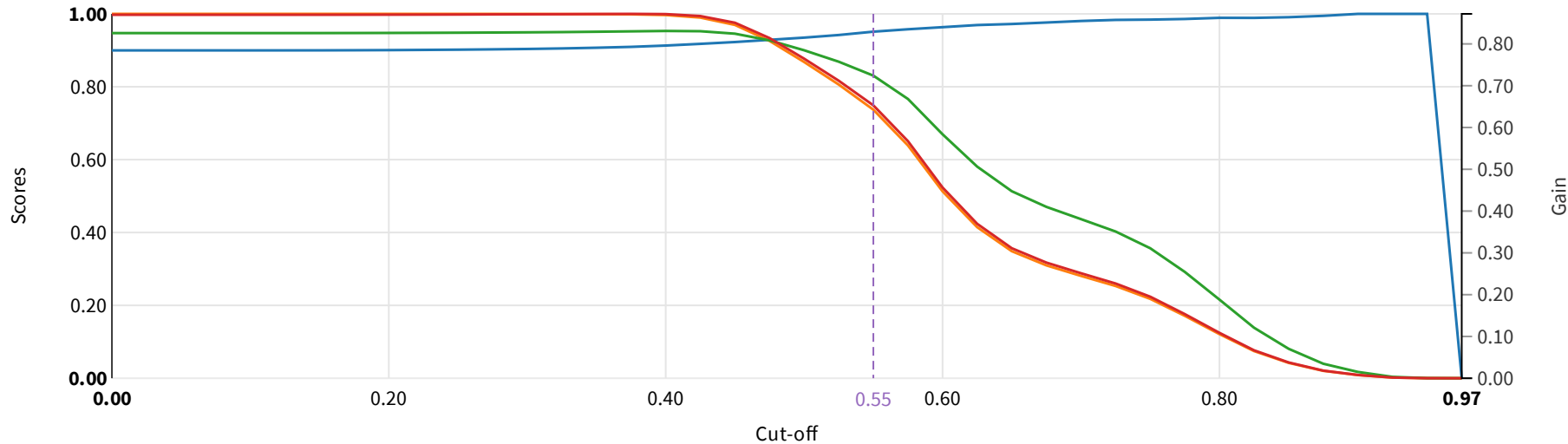


Cost matrix

If model predicts	and value is 1	the gain is	1	×	13322	=	13,322.00
	but value is 0	the gain is	-0.3	×	684	=	-205.20
	and value is 0	the gain is	0	×	1329	=	0.00

Decision chart

transaction_id	authorized_flag	purchase_date	purchas
308118		2018-02-23T17:48:55.000Z	
308146		2018-02-23T18:06:16.000Z	



### Cost matrix

If model predicts

and value is 1

the gain is

1

308174	2018-02-23T18:36:10.000Z	
308198	2018-02-23T18:57:19.000Z	
308242	2018-02-23T19:35:37.000Z	
308270	2018-02-23T19:49:35.000Z	
308310	2018-02-23T20:35:16.000Z	
308346	2018-02-23T21:09:58.000Z	
308374	2018-02-23T22:01:37.000Z	
308402	2018-02-23T22:49:50.000Z	
308434	2018-02-24T00:50:31.000Z	
308474	2018-02-24T06:25:34.000Z	
308506	2018-02-24T07:26:19.000Z	
308534	2018-02-24T07:57:18.000Z	
308562	2018-02-24T08:23:22.000Z	
308588	2018-02-24T08:53:00.000Z	