

NIKO 101 Hands On Guide: How to build a binary classification model?

Last Updated: 2023.05.18



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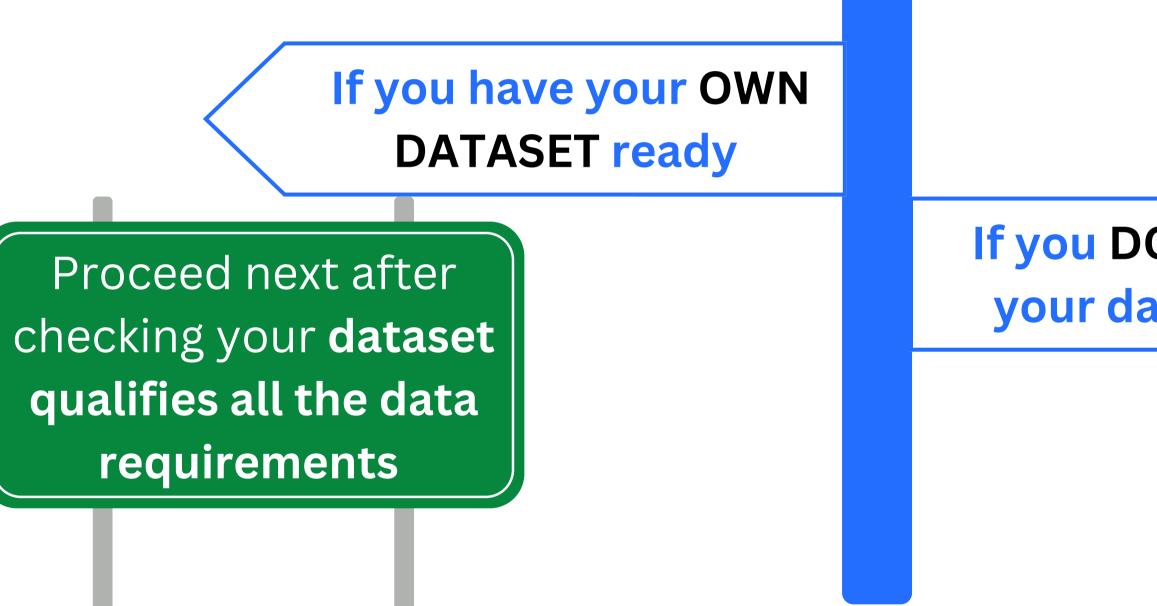
In this document, you will understand basic steps of building Binary Regression model on NIKO

		model				
シット 🖒				Build model >		
Home						
Model list	Usage		This Month V	Walkthrough		
Documentation	194.2K / 20M Rows trained	O/3 odels deployed	20/10K Predictions made	Data preparation guide >		
	Model list Date Model name Experiment	Version ∨ Drift Version ∨	By problem type ∨ By status ∨	See all > My Models V By Star V X		
	STARRED CREATED DATE		DRIFT VERSION PROBLEM TYPE	STATUS ACTIONS		
	☆ 2023-05-16 11:43:21 churn	Version 1.0	Version 1.0 Binary classification	Review		
	☆ 2023-05-15 17:31:11 german_credit	t_test Version 2.0	Version 1.0 Binary classification	Review		
	☆ 2023-05-15 17:29:18 german_credit	t_test Version 1.0	Version 1.0 Binary classification	Training Failed		
Sarangerel 🗸	2023-05-09 16:32:19 credit_scoring	_p Version 3.0	Version 1.0 Binary classification	Review		

See what happens when you click it.



Before proceeding to the model building on NIKO, you have to prepare your modeling dataset.



If you DON'T HAVE your dataset yet

Download sample OPEN DATA <u>here.</u>

Solution Open dataset for CREDIT SCORING use case

This is a dataset containing credit card default data of Taiwanese customers and their demographic characteristics and previous loan history.



If you would like to know the details of the dataset and download it in xls format, please click here.

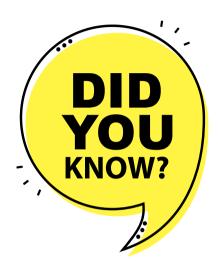


If you would like to download in NIKO-ready CSV format, <u>please click here.</u>

First column must
contain unique ID
values

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4		3	90000	2	2	2	34		0	0	0	0	0	29239	14027	13559	14331	14948	15549	1518	1500	1000	1000	1000	5000	0	
5		4	50000	2	2	1	37	0	0	0	0	0	0	46990	48233	49291	28314	28959	29547	2000	2019	1200	1100	1069	1000	0	Our target value. The
6	-	5	50000	1	2	1	57	-1	0	-1	0	0	0	8617	5670	35835	20940	19146	19131	2000	36681	10000	9000	689	679	0	
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9		8	100000	2	2	2	23	0	-1	-1	0	0	-1	11876	380	601	221	-159	567	380	601	0	581	1687	1542	0	means "non-default
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14		13	630000	2	2	2	41	-1	0	-1	-1	-1	-1	12137	6500	6500	6500	6500	2870	1000	6500	6500	6500	2870	0	0	
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16		15	250000	1	1	2	29		0	0	0	0	0	70887	67060	63561	59696	56875	55512	3000	3000	3000	3000	3000	3000	0	
17		16	50000	2	3	3	23	1	2	0	0	0	0	50614	29173	28116	28771	29531	30211	0	1500	1100	1200	1300	1100	0	
18		17	20000	1	1	2	24	0	0	2	2	2	2	15376	18010	17428	18338	17905	19104	3200	0	1500	0	1650	0	1	
19	1	18	320000	1	1	1	49	0	0	0	-1	-1	-1	253286	246536	194663	70074	5856	195599	10358	10000	75940	20000	195599	50000	0	
20		19	360000	2	1	1	49	1	-2	-2	-2		-2	0	0	0	0	0	0	0	0	0	0	0	0	0	
21		20	180000	2	1	2	29	1	-2	-2	-2		-2	0	0	0	0	0	0	0	0	0	0	0	0	0	
22		21	130000	2	3	2		0	0		0		-1	38358	27688	24489	20616	11802	930	3000	1537	1000	2000	930	33764	0	
23		22	120000	2	2	1	39		-1	-1	-1	-1	-1	316	316	316	0	632	316	316	316	0	632	316	0	1	
24		23	70000	2	2	2	26		0	0	2	2		41087	42445	45020	44006	46905	46012	2007	3582	0	3601	0	1820	1	
25		24	450000	2	1	1	40		-2	-2	-2			5512	19420	1473	560	0	0	19428	1473	560	0	0	1128	1	

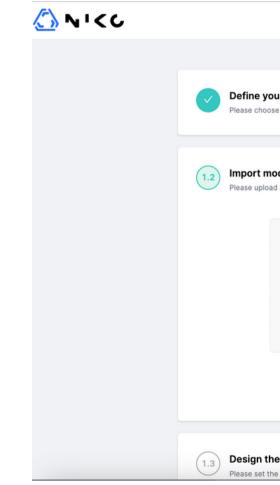
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Here is the dataset requirements of NIKO. You can find the same list on the NIKO platform as well.

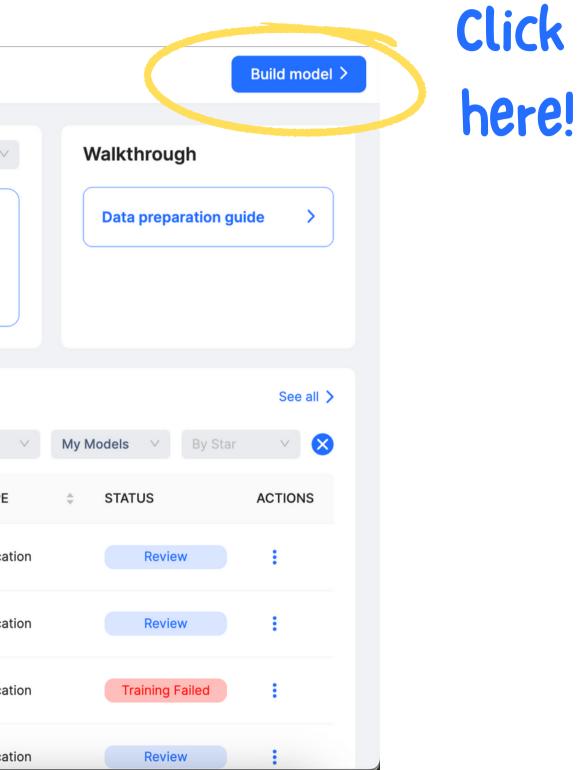
Data requirements:

- CSV file format
- File size must be less than 300MB
- The file must have at least 1,000 rows (data records)
- The file must have at least 5 columns
- The first column must contain unique IDs or equivalent value
- The first row should be column names
 - English letters are preferred
 - Has a maximum of 255 characters excluding special characters (e.g: &+=@ - # . \$%^*() !)



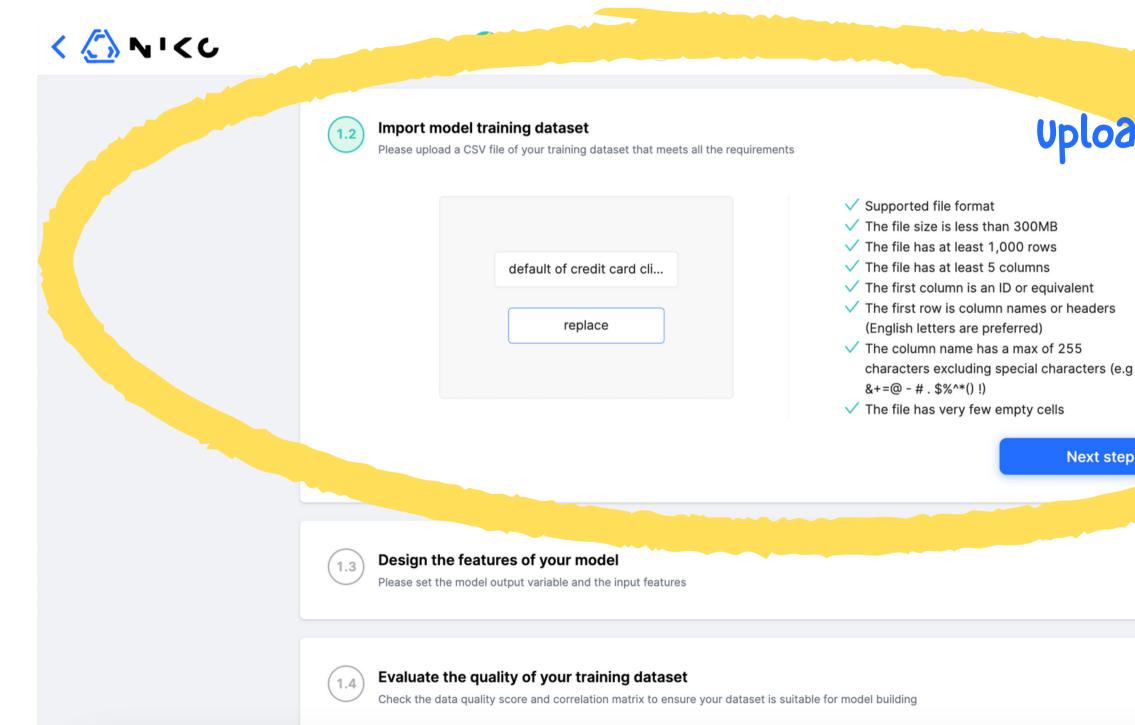
1 Model Design 2 Report	3 Compare 4 Predict	
Dur ML model se the ML model type and name your project		
odel training dataset ad a CSV file of your training dataset that meets all the requirements		
Upload here (CSV) Local file	 Supported file format The file size is less than 300MB The file has at least 1,000 rows The file has at least 5 columns The file has at least 5 columns The first column is an ID or equivalent The first column is an ID or equivalent The first row is column names or headers (English letters are preferred) The column name has a max of 255 characters excluding special characters (e.g. &+=@ - # . \$%^*() !) The file has very few empty cells 	
ne features of your model he model output variable and the input features		

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HomeModel list	Usage				This Month	\ \
Documentation		4.2K /20M ows trained	O/3 Models deploy	/ed	20 Prediction	
	Model list Date	Model name Q	Experiment Version ∨	Drift Version ∨	By problem type ∨	By status
	STARRED	CREATED DATE	NAME 🍦	EXP.VERSION	DRIFT VERSION	PROBLEM TYPE
	☆	2023-05-16 11:43:21	churn	Version 1.0	Version 1.0	Binary classifica
	☆	2023-05-15 17:31:11	german_credit_test	Version 2.0	Version 1.0	Binary classifica
Serengeral	☆	2023-05-15 17:29:18	german_credit_test	Version 1.0	Version 1.0	Binary classifica
Sarangerel 🗸	*	2023-05-09 16:32:19	credit_scoring_p	Version 3.0	Version 1.0	Binary classifica

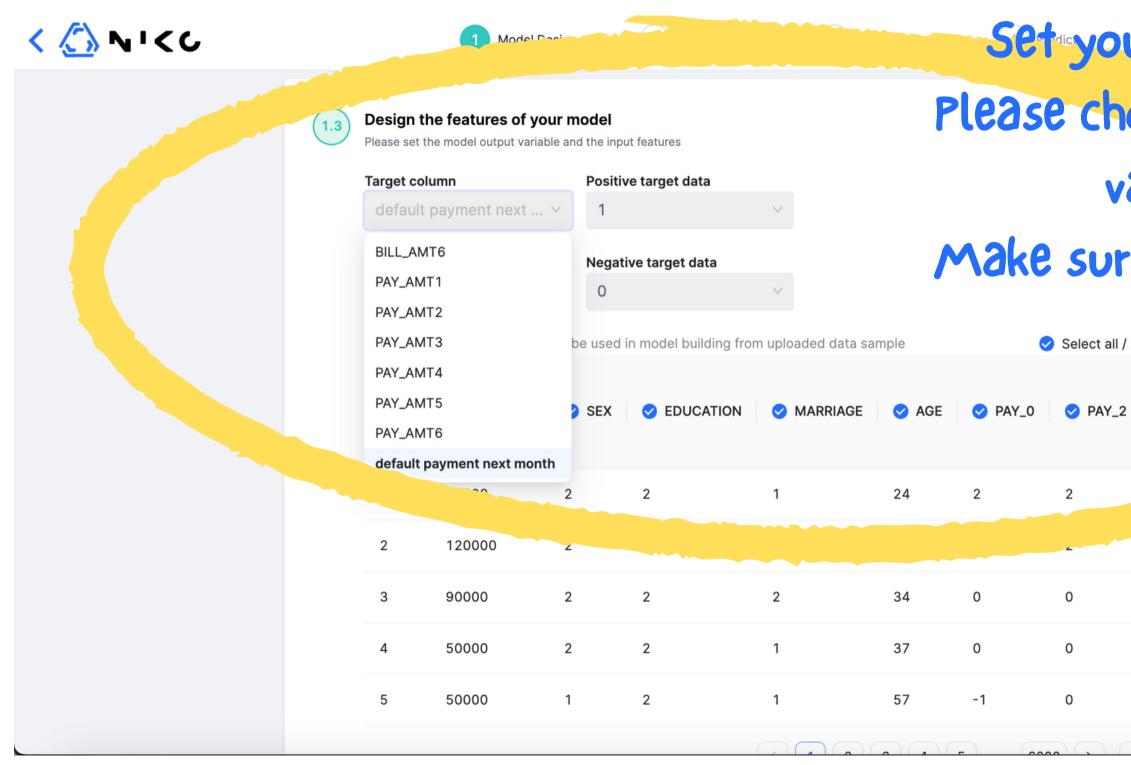


< 🏠 NICC	1 Model Design	2 Report	3 Compare	4 Predict
	1.1 Define your ML model Please choose the ML model type and na	me your project		Cho
	Binary classification \lor	my_first_model	Version 1.0	Cho mod
	Drift Version 1.0	Next step		
	1.2 Import model training dataset Please upload a CSV file of your training of		ts	
	1.3 Design the features of your mo Please set the model output variable and			
	1.4 Evaluate the quality of your tra Check the data quality score and correlat	-	uitable for model building	

oose "binary classification" as del type and name your model.



Upload your data here and make sure it clears all tows the dataset requirements.

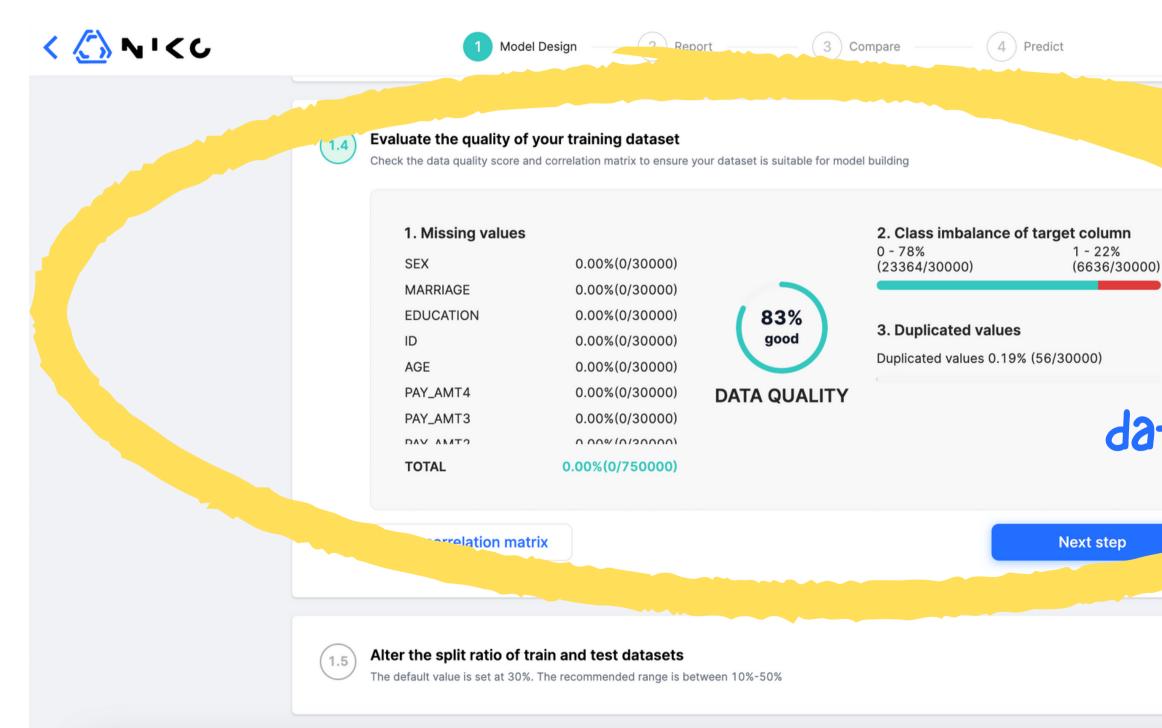


Set your target value to predict here. Please choose a column that has only two values as target variable. Make sure to set "Positive" and "Negative" Belect all / Deselect all Beles as well. GE PAY_0 PAY_2 PAY_

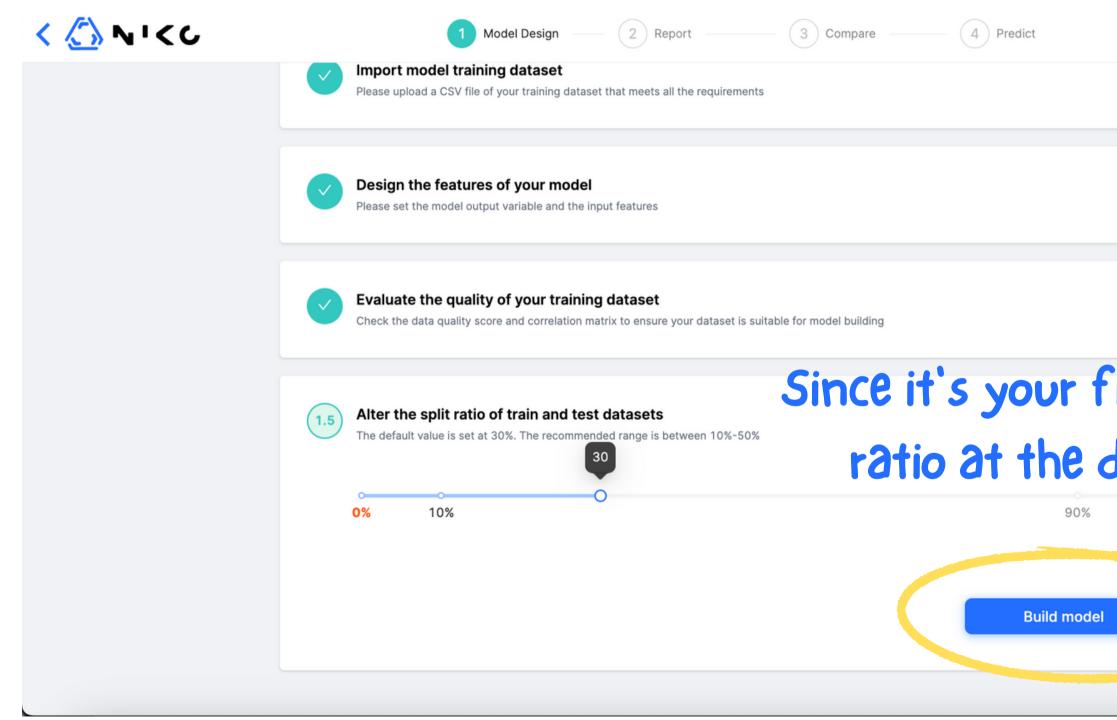
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Make sure your data quality is not too bad

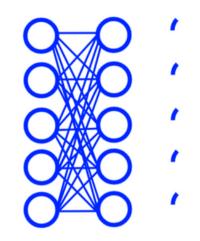


Since it's your first model, leave the split ratio at the default value of 30%.

100%







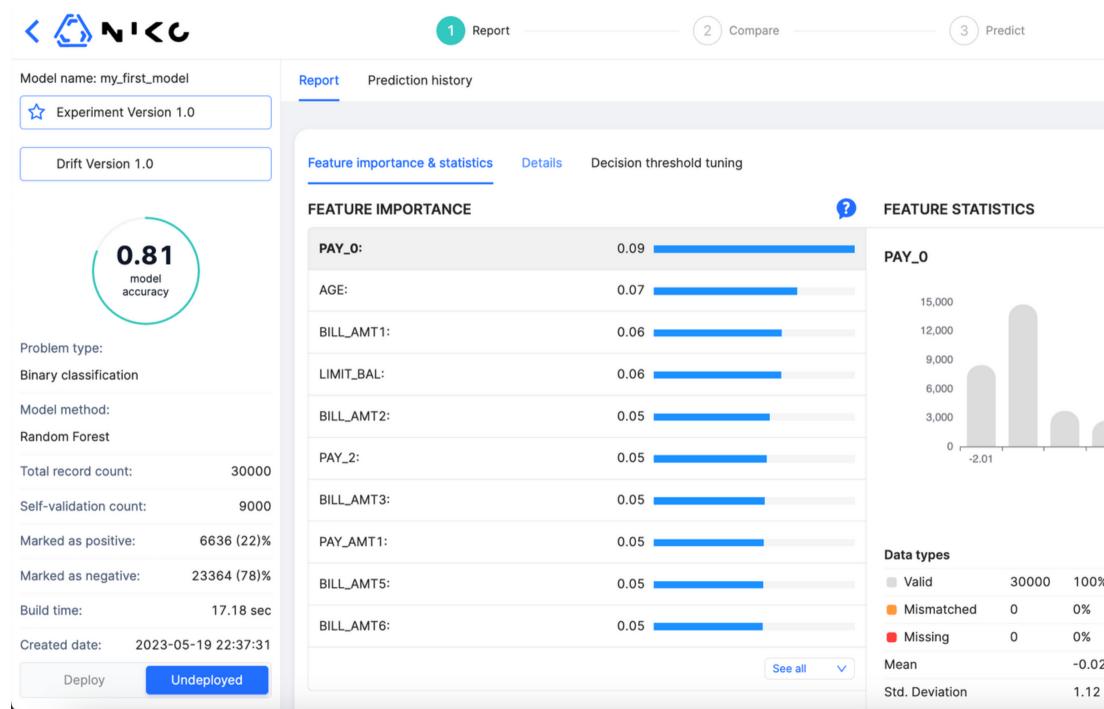
TRAINING IS STARTED

Enjoy your coffee, while we do the model building!

NIKO is building your model. Please enjoy your

15%





Once you got this screen, TA-DA!!!! you've built your first model with NIKO.

		Ne	ext step
			2
			8
	Quantiles		
)%	Min		-2.00
	25%		-1.00
	50%		0.00
)2	75%		0.00
2	Max		8.00

