Report: Predict Bike Sharing Demand with AutoGluon Solution

NAME HERE

Initial Training

What did you realize when you tried to submit your predictions? What changes were needed to the output of the predictor to submit your results?

The first thing I found out was that I forgot the pharse data frame to make it clearer and I forgot to put the features or do drop casual and registered columns and because of that an error occurred when I am making a test

What was the top ranked model that performed?

WeightedEnsemble_L3

Exploratory data analysis and feature creation

What did the exploratory analysis find and how did you add additional features?

I was able to see the number of hours in a clearer way on holidays and normal days

How much better did your model preform after adding additional features and why do you think that is?

I was able to see the number of hours in a clearer way on holidays and normal days and avioding error appened in test data

Hyper parameter tuning

How much better did your model preform after trying different hyper parameters?

some configurations is usefull but others not as much good for the model performance

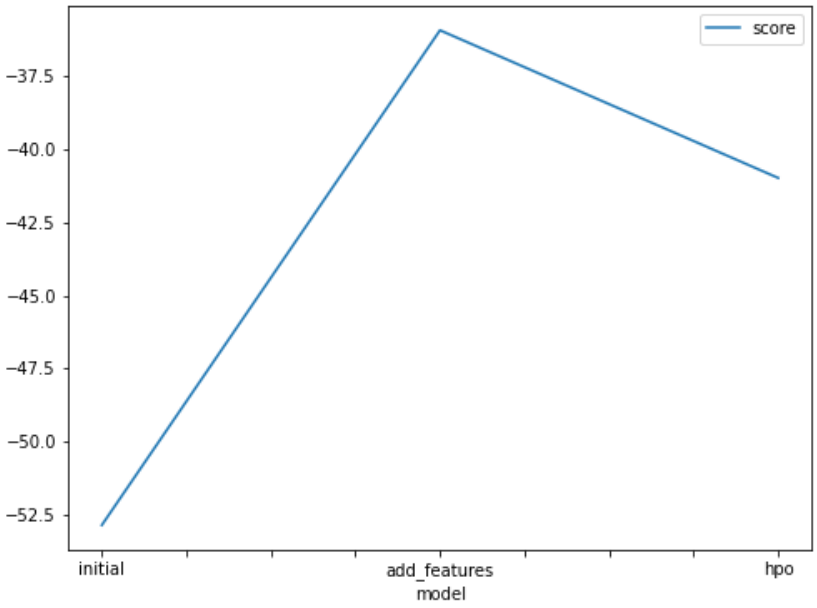
If you were given more time with this dataset, where do you think you would spend more time?

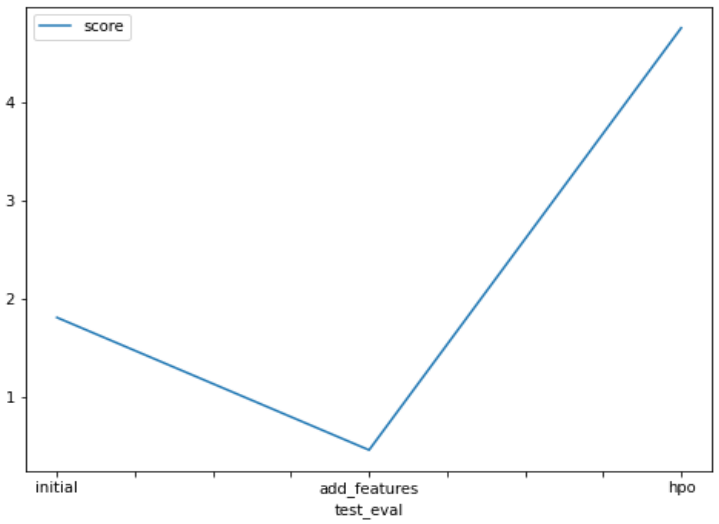
to analysis my data ### Create a table with the models you ran, the hyperparameters modified, and the kaggle score. (img/1.png) model hpo1 hpo2 hpo3 score 0 initial default default default 1.81080 1 add_features default default default 0.46051 2 hpo GBM:‘num_boost_round’: 100,‘num_leaves’(lower=26, upper=66, default=36) NN_TORCH (num_epochs’: 10), activation(‘relu’, ‘softrelu’, ‘tanh’) searcher: ‘auto’, num_trials: 5,scheduler: local 4.76188 ### Create a line plot showing the top model score for the three (or more) training runs during the project.

	model	hpo1	hpo2	hpo3	score
0	initial	default	default	default	1.81080
1	add_features	default	default	default	0.46051
2	hpo	GBM:'num_boost_round': 100,'num_leaves'(lower=26, upper=66, default=36)	NN_TORCH (num_epochs': 10), activation('relu', 'softrelu', 'tanh')	searcher: 'auto', num_trials: 5,scheduler: local	4.76188

Create a line plot showing the top kaggle score for the three (or more) prediction submissions during the project.

model_train_score.png





Summary :

I was a good project to develop my skills and to get experience with new techniques like autogluon