

Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun 6 2024, 19:30:16) [MSC v.1940 64 bit (AMD64)] on win32

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= RESTART: C:\Users\DELL\Desktop\AI_TRADING_PROJECT\Project\Lăn

2\Alpha_Zero_Trading_Final\Run+Train.py

X_train shape: (6592, 400, 19)

X_test shape: (1648, 400, 19)

y_train shape: (6592,)

y_test shape: (1648,)

WARNING:tensorflow:From

C:\Users\DELL\AppData\Local\Programs\Python\Python312\Lib\site-packages\keras\src\backend\tensorflow\core.py:192: The name tf.placeholder is deprecated. Please use tf.compat.v1.placeholder instead.

Model: "functional_8"

Layer (type)	Output Shape	Param #
input_layer (InputLayer)	(None, 400, 19)	0
conv1d (Conv1D)	(None, 400, 128)	7,424
dropout (Dropout)	(None, 400, 128)	0
conv1d_1 (Conv1D)	(None, 400, 64)	24,640
dropout_1 (Dropout)	(None, 400, 64)	0
conv1d_2 (Conv1D)	(None, 400, 32)	6,176
dropout_2 (Dropout)	(None, 400, 32)	0
conv1d_3 (Conv1D)	(None, 400, 16)	1,552
dropout_3 (Dropout)	(None, 400, 16)	0
add (Add)	(None, 400, 16)	0
transformer_block (TransformerBlock)	(None, 400, 16)	34,144
transformer_block_1 (TransformerBlock)	(None, 400, 16)	34,144
transformer_block_2 (TransformerBlock)	(None, 400, 16)	34,144
transformer_block_3 (TransformerBlock)	(None, 400, 16)	34,144

transformer_block_4 (TransformerBlock)	(None, 400, 16)	34,144
transformer_block_5 (TransformerBlock)	(None, 400, 16)	34,144
transformer_block_6 (TransformerBlock)	(None, 400, 16)	34,144
transformer_block_7 (TransformerBlock)	(None, 400, 16)	34,144
flatten (Flatten)	(None, 6400)	0
dense_16 (Dense)	(None, 64)	409,664
dense_17 (Dense)	(None, 1)	65

Total params: 722,673 (2.76 MB)

Trainable params: 722,673 (2.76 MB)

Non-trainable params: 0 (0.00 B)

Epoch 1/100

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[1m 1/206[0m [37m-----[0m [1m3:56:27[0m 69s/step - loss: 1.0317
- mae: 0.8450
[1m 2/206[0m [37m-----[0m [1m20:02[0m 6s/step - loss: 64.3373 -
mae: 4.6130
[1m 3/206[0m [37m-----[0m [1m18:58[0m 6s/step - loss: 77.1109 -
mae: 5.7363
[1m 4/206[0m [37m-----[0m [1m18:07[0m 5s/step - loss: 77.9256 -
mae: 6.0210
[1m 5/206[0m [37m-----[0m [1m17:31[0m 5s/step - loss: 75.2348 -
mae: 5.9434
[1m 6/206[0m [37m-----[0m [1m17:10[0m 5s/step - loss: 71.7061 -
mae: 5.7663
[1m 7/206[0m [37m-----[0m [1m16:50[0m 5s/step - loss: 68.2112 -
mae: 5.5884
[1m 8/206[0m [37m-----[0m [1m16:34[0m 5s/step - loss: 64.8632 -
mae: 5.3934
[1m 9/206[0m [37m-----[0m [1m16:20[0m 5s/step - loss: 61.8133 -
mae: 5.2184
[1m 10/206[0m [37m-----[0m [1m16:18[0m 5s/step - loss: 59.0130 -
mae: 5.0508
[1m 11/206[0m [32m-[0m [37m-----[0m [1m16:09[0m 5s/step - loss:
56.4609 - mae: 4.8959
[1m 12/206[0m [32m-[0m [37m-----[0m [1m16:02[0m 5s/step - loss:
54.1266 - mae: 4.7486
[1m 13/206[0m [32m-[0m [37m-----[0m [1m15:52[0m 5s/step - loss:
51.9905 - mae: 4.6101

```

[1m 14/206][0m [32m-[0m[37m-----[0m [1m15:45][0m 5s/step - loss:
50.0289 - mae: 4.4797
[1m 15/206][0m [32m-[0m[37m-----[0m [1m15:39][0m 5s/step - loss:
48.2243 - mae: 4.3582
[1m 16/206][0m [32m-[0m[37m-----[0m [1m15:32][0m 5s/step - loss:
46.5603 - mae: 4.2449
[1m 17/206][0m [32m-[0m[37m-----[0m [1m15:37][0m 5s/step - loss:
45.0193 - mae: 4.1382
[1m 18/206][0m [32m-[0m[37m-----[0m [1m15:35][0m 5s/step - loss:
43.5897 - mae: 4.0379
[1m 19/206][0m [32m-[0m[37m-----[0m [1m15:30][0m 5s/step - loss:
42.2594 - mae: 3.9433
[1m 20/206][0m [32m-[0m[37m-----[0m [1m15:27][0m 5s/step - loss:
41.0184 - mae: 3.8543
[1m 21/206][0m [32m-[0m[37m-----[0m [1m15:32][0m 5s/step - loss:
39.8580 - mae: 3.7707
[1m 22/206][0m [32m-[0m[37m-----[0m [1m15:35][0m 5s/step - loss:
38.7706 - mae: 3.6919
[1m 23/206][0m [32m-[0m[37m-----[0m [1m15:34][0m 5s/step - loss:
37.7492 - mae: 3.6175
[1m 24/206][0m [32m-[0m[37m-----[0m [1m15:33][0m 5s/step - loss:
36.7877 - mae: 3.5469