

/usr/local/lib/python3.10/dist-packages/keras/src/layers/rnn/rnn.py:204: UserWarning: Do not pass an `input_shape` / `input_dim` argument to a layer. When using Sequential models, prefer using an `Input(shape)` object as the first layer in the model instead.

```
super().__init__(**kwargs)
```

31/31 ————— **1s** 10ms/step

8/8 ————— **0s** 2ms/step

/usr/local/lib/python3.10/dist-packages/keras/src/layers/rnn/rnn.py:204: UserWarning: Do not pass an `input_shape` / `input_dim` argument to a layer. When using Sequential models, prefer using an `Input(shape)` object as the first layer in the model instead.

```
super().__init__(**kwargs)
```

31/31 ————— **1s** 14ms/step

8/8 ————— **0s** 3ms/step

/usr/local/lib/python3.10/dist-packages/keras/src/layers/rnn/rnn.py:204: UserWarning: Do not pass an `input_shape` / `input_dim` argument to a layer. When using Sequential models, prefer using an `Input(shape)` object as the first layer in the model instead.

```
super().__init__(**kwargs)
```

31/31 ————— **1s** 11ms/step

8/8 ————— **0s** 2ms/step

	Model	Train MSE	Train RMSE	Train MAPE (%)	Test MSE	Test RMSE	\
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0	Vanilla RNN	41.191784	6.418083	27.408146	12.652347	3.557014	
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1	GRU	6.128740	2.475629	27.495723	6.981985	2.642345	
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2	LSTM	8.671556	2.944751	27.524727	10.031758	3.167295	
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Test MAPE (%)

0	5.371124
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1	5.429271
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2	5.431727
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Model	Train MSE	Train RMSE	Train MAPE (%)	Test MSE	Test RMSE	Test MAPE (%)
Vanilla RNN	41.19178382850053	6.418082566351147	27.408145926398152	12.652347330941863	3.557013822146586	5.371123930717515
GRU	6.128740086435289	2.4756292304049263	27.495722950078104	6.981985281739997	2.642344656122664	5.42927052379958
LSTM	8.671556464757673	2.9447506625786968	27.524726890779245	10.03175792455393	3.167295048547566	5.431726604653077