

Normalized Metrics:

| Model Name | Dataset - 1 (AAPL) | | | Dataset - 2(AAL) | | | Dataset - 3 (ABC) | | |
|---------------------------------|--------------------|-------|--------|-------------------|-------|--------|--------------------|-------|--------|
| | R2 ↑ | MAE ↓ | RMSE ↓ | R2 ↑ | MAE ↓ | RMSE ↓ | R2 ↑ | MAE ↓ | RMSE ↓ |
| Transformer (Encoder Only) | 0.923 | 0.054 | 0.067 | 0.901 | 0.067 | 0.091 | 0.90 | 0.103 | 0.147 |
| Transformer (Decoder Only) | 0.83 | 0.087 | 0.09 | 0.878 | 0.075 | 0.10 | 0.926 | 0.089 | 0.127 |
| Transformer (Encoder - Decoder) | 0.85 | 0.073 | 0.094 | 0.766 | 0.141 | 0.118 | 0.92 | 0.106 | 0.133 |
| LSTM | 0.83 | 0.084 | 0.10 | 0.874 | 0.077 | 0.10 | 0.914 | 0.10 | 0.138 |
| Mamba | 0.948 | 0.045 | 0.056 | 0.917 | 0.062 | 0.084 | 0.949 | 0.076 | 0.106 |
| BiMamba | 0.948 | 0.045 | 0.055 | 0.919 | 0.061 | 0.082 | 0.96 | 0.065 | 0.094 |

Denormalized Metrics (USD):

| Model Name | Dataset - 1 (AAPL) | | | Dataset - 2(AAL) | | | Dataset - 3 (ABC) | | |
|---------------------------------|--------------------|--------|--------|-------------------|---------|---------|--------------------|---------|---------|
| | MAPE ↓ | MAE ↓ | RMSE ↓ | MAPE ↓ | MAE ↓ | MAPE ↓ | MAPE ↓ | MAE ↓ | RMSE ↓ |
| Transformer (Encoder Only) | 1.46% | 2.57\$ | 3.18\$ | 1.48% | 0.74\$ | 1.00\$ | 1.98% | 1.67\$ | 2.41\$ |
| Transformer (Decoder Only) | 2.38% | 4.13\$ | 4.69\$ | 1.65% | 0.82\$ | 1.12\$ | 1.66% | 1.45\$ | 2.08\$ |
| Transformer (Encoder - Decoder) | 3.14% | 7.30\$ | 9.46\$ | 5.86% | 11.84\$ | 14.13\$ | 9.32% | 10.63\$ | 13.34\$ |
| LSTM | 2.22% | 3.98\$ | 4.74\$ | 1.69% | 0.85\$ | 1.14\$ | 1.9% | 1.65\$ | 2.26\$ |
| Mamba | 1.2% | 2.13\$ | 2.61\$ | 1.37% | 0.68\$ | 0.92\$ | 1.47% | 1.25\$ | 1.73\$ |
| BiMamba | 1.22% | 2.12\$ | 2.62\$ | 1.34% | 0.67\$ | 0.91\$ | 1.22% | 1.07\$ | 1.53\$ |