

2024-10-02 01:18:59,875 - INFO - Loading test data...  
2024-10-02 01:18:59,923 - INFO - Test data loaded successfully.  
2024-10-02 01:18:59,924 - INFO - Loading R models...  
2024-10-02 01:21:00,301 - INFO - Loading test data...  
2024-10-02 01:21:00,364 - INFO - Test data loaded successfully.  
2024-10-02 01:21:00,376 - INFO - Loading MAE models...  
2024-10-02 01:22:56,298 - INFO - Loading test data...  
2024-10-02 01:22:56,346 - INFO - Test data loaded successfully.  
2024-10-02 01:22:56,353 - INFO - Loading MAE models...  
2024-10-02 01:22:56,580 - INFO - MAE models loaded successfully.  
2024-10-02 01:22:56,581 - INFO - Making predictions using MAE models...  
2024-10-02 01:22:58,752 - INFO - Predictions made successfully using MAE models.  
2024-10-02 01:22:58,753 - INFO - Loading RMSE models...  
2024-10-02 01:22:58,888 - INFO - RMSE models loaded successfully.  
2024-10-02 01:22:58,889 - INFO - Making predictions using RMSE models...  
2024-10-02 01:23:01,081 - INFO - Predictions made successfully using RMSE models.  
2024-10-02 01:23:40,444 - INFO - Loading test data...  
2024-10-02 01:23:40,497 - INFO - Test data loaded successfully.  
2024-10-02 01:23:40,503 - INFO - Loading MAE models...  
2024-10-02 01:23:40,653 - INFO - MAE models loaded successfully.  
2024-10-02 01:23:40,654 - INFO - Making predictions using MAE models...  
2024-10-02 01:23:42,991 - INFO - Predictions made successfully using MAE models.  
2024-10-02 01:23:42,993 - INFO - Loading RMSE models...  
2024-10-02 01:23:43,120 - INFO - RMSE models loaded successfully.  
2024-10-02 01:23:43,120 - INFO - Making predictions using RMSE models...  
2024-10-02 01:23:45,191 - INFO - Predictions made successfully using RMSE models.  
2024-10-02 01:23:45,193 - INFO - LSTM Predictions for MAE: [[0.9200382  
0.9048626 0.9380377 ... 0.90774155 0.9484708 0.8971268 ]  
[0.9245748 0.9036465 0.9335128 ... 0.9096299 0.9453987 0.8908576 ]  
[0.92648244 0.9093925 0.93441063 ... 0.91226226 0.9502695 0.89856136]  
...  
[0.8264682 0.9083483 0.95791936 ... 0.9005002 0.96925163 0.8640795 ]  
[0.8439106 0.9090371 0.9568298 ... 0.892611 0.9645843 0.8758998 ]  
[0.8054622 0.90837604 0.95892876 ... 0.8989943 0.9647614 0.87870526]]  
2024-10-02 01:23:45,195 - INFO - GRU Predictions for MAE: [[0.95649326 0.933741  
0.96280503 ... 0.8926368 0.9835138 0.89726126]  
[0.95355785 0.93389827 0.96204555 ... 0.8877131 0.9838147 0.89753133]  
[0.95484537 0.93544424 0.9642203 ... 0.8951805 0.9849668 0.9001266 ]  
...  
[0.92824364 0.94424075 0.9712984 ... 0.91643196 0.98912674 0.87554777]  
[0.9396087 0.9450698 0.972717 ... 0.9198737 0.98775536 0.8957355 ]  
[0.92972505 0.94752824 0.973199 ... 0.9184186 0.9897701 0.8854579 ]]  
2024-10-02 01:23:45,196 - INFO - LSTM Predictions for RMSE: [[0.9680094  
0.913039 0.9490167 ... 0.9132228 0.9424555 0.91795594]  
[0.96934414 0.91427267 0.94876647 ... 0.91623527 0.9449497 0.9229244 ]  
[0.9679919 0.91558063 0.9507306 ... 0.915449 0.9485174 0.9230014 ]  
...  
[0.86092407 0.91992307 0.95442814 ... 0.9093056 0.9496901 0.9139439 ]  
[0.8846336 0.92239714 0.95623934 ... 0.9061739 0.9470523 0.9052617 ]  
[0.8761585 0.9209721 0.9554107 ... 0.9130331 0.9440549 0.9077294 ]]  
2024-10-02 01:23:45,197 - INFO - GRU Predictions for RMSE: [[0.9635239  
0.9141842 0.9457588 ... 0.9125638 0.9429578 0.91671914]  
[0.9589681 0.9129031 0.94663197 ... 0.9102549 0.9479522 0.91782 ]  
[0.96163183 0.9162367 0.9464579 ... 0.91375417 0.9576478 0.9161924 ]  
...  
[0.90542233 0.9194643 0.97261643 ... 0.9179031 0.96172327 0.87056386]  
[0.9045941 0.9175832 0.97503483 ... 0.9162012 0.9607769 0.8581886 ]  
[0.89687586 0.92006654 0.974013 ... 0.9202066 0.964019 0.87222564]]  
2024-10-02 01:26:41,453 - INFO - Loading test data...  
2024-10-02 01:26:41,505 - INFO - Test data loaded successfully.  
2024-10-02 01:26:41,513 - INFO - Loading MAE models...  
2024-10-02 01:26:41,674 - INFO - MAE models loaded successfully.

2024-10-02 01:26:41,674 - INFO - Making predictions using MAE models...  
2024-10-02 01:26:43,994 - INFO - Predictions made successfully using MAE models.  
2024-10-02 01:26:43,996 - INFO - Loading RMSE models...  
2024-10-02 01:26:44,108 - INFO - RMSE models loaded successfully.  
2024-10-02 01:26:44,109 - INFO - Making predictions using RMSE models...  
2024-10-02 01:26:46,211 - INFO - Predictions made successfully using RMSE models.  
2024-10-02 01:26:46,213 - INFO - LSTM Predictions for MAE: [[0.9200382  
0.9048626 0.9380377 ... 0.90774155 0.9484708 0.8971268 ]  
[0.9245748 0.9036465 0.9335128 ... 0.9096299 0.9453987 0.8908576 ]  
[0.92648244 0.9093925 0.93441063 ... 0.91226226 0.9502695 0.89856136]  
...  
[0.8264682 0.9083483 0.95791936 ... 0.9005002 0.96925163 0.8640795 ]  
[0.8439106 0.9090371 0.9568298 ... 0.892611 0.9645843 0.8758998 ]  
[0.8054622 0.90837604 0.95892876 ... 0.8989943 0.9647614 0.87870526]]  
2024-10-02 01:26:46,214 - INFO - GRU Predictions for MAE: [[0.95649326 0.933741  
0.96280503 ... 0.8926368 0.9835138 0.89726126]  
[0.95355785 0.93389827 0.96204555 ... 0.8877131 0.9838147 0.89753133]  
[0.95484537 0.93544424 0.9642203 ... 0.8951805 0.9849668 0.9001266 ]  
...  
[0.92824364 0.94424075 0.9712984 ... 0.91643196 0.98912674 0.87554777]  
[0.9396087 0.9450698 0.972717 ... 0.9198737 0.98775536 0.8957355 ]  
[0.92972505 0.94752824 0.973199 ... 0.9184186 0.9897701 0.8854579 ]]  
2024-10-02 01:26:46,215 - INFO - LSTM Predictions for RMSE: [[0.9680094  
0.913039 0.9490167 ... 0.9132228 0.9424555 0.91795594]  
[0.96934414 0.91427267 0.94876647 ... 0.91623527 0.9449497 0.9229244 ]  
[0.9679919 0.91558063 0.9507306 ... 0.915449 0.9485174 0.9230014 ]  
...  
[0.86092407 0.91992307 0.95442814 ... 0.9093056 0.9496901 0.9139439 ]  
[0.8846336 0.92239714 0.95623934 ... 0.9061739 0.9470523 0.9052617 ]  
[0.8761585 0.9209721 0.9554107 ... 0.9130331 0.9440549 0.9077294 ]]  
2024-10-02 01:26:46,217 - INFO - GRU Predictions for RMSE: [[0.9635239  
0.9141842 0.9457588 ... 0.9125638 0.9429578 0.91671914]  
[0.9589681 0.9129031 0.94663197 ... 0.9102549 0.9479522 0.91782 ]  
[0.96163183 0.9162367 0.9464579 ... 0.91375417 0.9576478 0.9161924 ]  
...  
[0.90542233 0.9194643 0.97261643 ... 0.9179031 0.96172327 0.87056386]  
[0.9045941 0.9175832 0.97503483 ... 0.9162012 0.9607769 0.8581886 ]  
[0.89687586 0.92006654 0.974013 ... 0.9202066 0.964019 0.87222564]]  
2024-10-02 01:28:13,219 - INFO - Loading test data...  
2024-10-02 01:28:13,264 - INFO - Test data loaded successfully.  
2024-10-02 01:28:13,269 - INFO - Loading MAE models...  
2024-10-02 01:28:13,401 - INFO - MAE models loaded successfully.  
2024-10-02 01:28:13,402 - INFO - Making predictions using MAE models...  
2024-10-02 01:28:15,417 - INFO - Predictions made successfully using MAE models.  
2024-10-02 01:28:15,418 - INFO - Loading RMSE models...  
2024-10-02 01:28:15,532 - INFO - RMSE models loaded successfully.  
2024-10-02 01:28:15,533 - INFO - Making predictions using RMSE models...  
2024-10-02 01:28:17,725 - INFO - Predictions made successfully using RMSE models.  
2024-10-02 01:28:17,726 - INFO - LSTM Predictions: 0  
2024-10-02 01:28:17,728 - INFO - GRU Predictions: 0  
2024-10-02 01:28:17,729 - INFO - LSTM Predictions for MAE: [[0.9200382  
0.9048626 0.9380377 ... 0.90774155 0.9484708 0.8971268 ]  
[0.9245748 0.9036465 0.9335128 ... 0.9096299 0.9453987 0.8908576 ]  
[0.92648244 0.9093925 0.93441063 ... 0.91226226 0.9502695 0.89856136]  
...  
[0.8264682 0.9083483 0.95791936 ... 0.9005002 0.96925163 0.8640795 ]  
[0.8439106 0.9090371 0.9568298 ... 0.892611 0.9645843 0.8758998 ]  
[0.8054622 0.90837604 0.95892876 ... 0.8989943 0.9647614 0.87870526]]  
2024-10-02 01:28:17,730 - INFO - GRU Predictions for MAE: [[0.95649326 0.933741  
0.96280503 ... 0.8926368 0.9835138 0.89726126]  
[0.95355785 0.93389827 0.96204555 ... 0.8877131 0.9838147 0.89753133]  
[0.95484537 0.93544424 0.9642203 ... 0.8951805 0.9849668 0.9001266 ]

```
...
[0.92824364 0.94424075 0.9712984 ... 0.91643196 0.98912674 0.87554777]
[0.9396087 0.9450698 0.972717 ... 0.9198737 0.98775536 0.8957355 ]
[0.92972505 0.94752824 0.973199 ... 0.9184186 0.9897701 0.8854579 ]]
2024-10-02 01:28:17,731 - INFO - LSTM Predictions for RMSE: [[0.9680094
0.913039 0.9490167 ... 0.9132228 0.9424555 0.91795594]
[0.96934414 0.91427267 0.94876647 ... 0.91623527 0.9449497 0.9229244 ]
[0.9679919 0.91558063 0.9507306 ... 0.915449 0.9485174 0.9230014 ]
...
[0.86092407 0.91992307 0.95442814 ... 0.9093056 0.9496901 0.9139439 ]
[0.8846336 0.92239714 0.95623934 ... 0.9061739 0.9470523 0.9052617 ]
[0.8761585 0.9209721 0.9554107 ... 0.9130331 0.9440549 0.9077294 ]]
2024-10-02 01:28:17,732 - INFO - GRU Predictions for RMSE: [[0.9635239
0.9141842 0.9457588 ... 0.9125638 0.9429578 0.91671914]
[0.9589681 0.9129031 0.94663197 ... 0.9102549 0.9479522 0.91782 ]
[0.96163183 0.9162367 0.9464579 ... 0.91375417 0.9576478 0.9161924 ]
...
[0.90542233 0.9194643 0.97261643 ... 0.9179031 0.96172327 0.87056386]
[0.9045941 0.9175832 0.97503483 ... 0.9162012 0.9607769 0.8581886 ]
[0.89687586 0.92006654 0.974013 ... 0.9202066 0.964019 0.87222564]]
2024-10-02 01:30:31,617 - INFO - Loading test data...
2024-10-02 01:30:31,665 - INFO - Test data loaded successfully.
2024-10-02 01:30:31,672 - INFO - Loading MAE models...
2024-10-02 01:30:31,812 - INFO - MAE models loaded successfully.
2024-10-02 01:30:31,813 - INFO - Making predictions using MAE models...
2024-10-02 01:30:34,204 - INFO - Predictions made successfully using MAE models.
2024-10-02 01:30:34,206 - INFO - Loading RMSE models...
2024-10-02 01:30:34,322 - INFO - RMSE models loaded successfully.
2024-10-02 01:30:34,324 - INFO - Making predictions using RMSE models...
2024-10-02 01:30:36,661 - INFO - Predictions made successfully using RMSE
models.
2024-10-02 01:30:36,663 - INFO - LSTM Predictions for MAE: [[0.9200382
0.9048626 0.9380377 ... 0.90774155 0.9484708 0.8971268 ]
[0.9245748 0.9036465 0.9335128 ... 0.9096299 0.9453987 0.8908576 ]
[0.92648244 0.9093925 0.93441063 ... 0.91226226 0.9502695 0.89856136]
...
[0.8264682 0.9083483 0.95791936 ... 0.9005002 0.96925163 0.8640795 ]
[0.8439106 0.9090371 0.9568298 ... 0.892611 0.9645843 0.8758998 ]
[0.8054622 0.90837604 0.95892876 ... 0.8989943 0.9647614 0.87870526]]
2024-10-02 01:30:36,664 - INFO - GRU Predictions for MAE: [[0.95649326 0.933741
0.96280503 ... 0.8926368 0.9835138 0.89726126]
[0.95355785 0.93389827 0.96204555 ... 0.8877131 0.9838147 0.89753133]
[0.95484537 0.93544424 0.9642203 ... 0.8951805 0.9849668 0.9001266 ]
...
[0.92824364 0.94424075 0.9712984 ... 0.91643196 0.98912674 0.87554777]
[0.9396087 0.9450698 0.972717 ... 0.9198737 0.98775536 0.8957355 ]
[0.92972505 0.94752824 0.973199 ... 0.9184186 0.9897701 0.8854579 ]]
2024-10-02 01:30:36,665 - INFO - LSTM Predictions for RMSE: [[0.9680094
0.913039 0.9490167 ... 0.9132228 0.9424555 0.91795594]
[0.96934414 0.91427267 0.94876647 ... 0.91623527 0.9449497 0.9229244 ]
[0.9679919 0.91558063 0.9507306 ... 0.915449 0.9485174 0.9230014 ]
...
[0.86092407 0.91992307 0.95442814 ... 0.9093056 0.9496901 0.9139439 ]
[0.8846336 0.92239714 0.95623934 ... 0.9061739 0.9470523 0.9052617 ]
[0.8761585 0.9209721 0.9554107 ... 0.9130331 0.9440549 0.9077294 ]]
2024-10-02 01:30:36,666 - INFO - GRU Predictions for RMSE: [[0.9635239
0.9141842 0.9457588 ... 0.9125638 0.9429578 0.91671914]
[0.9589681 0.9129031 0.94663197 ... 0.9102549 0.9479522 0.91782 ]
[0.96163183 0.9162367 0.9464579 ... 0.91375417 0.9576478 0.9161924 ]
...
[0.90542233 0.9194643 0.97261643 ... 0.9179031 0.96172327 0.87056386]
[0.9045941 0.9175832 0.97503483 ... 0.9162012 0.9607769 0.8581886 ]
[0.89687586 0.92006654 0.974013 ... 0.9202066 0.964019 0.87222564]]
2024-10-02 01:30:36,670 - INFO - Predictions saved to predictions.txt
```