LME ALUMINIUM PRICE PREDICTION

GRU

Univariate
(click here)

Multivariate
(click here)

LSTM

Univariate
(click here)

Multivariate
(click here)

TRANSFORMER

Univariate
(click here)

Prices

- Aluminium prices in US$ per tonne(click here)
- Copper prices in US$ per tonne(click here)
- Zinc prices in US$ per tonne(click here)
- Nickel prices in US$ per tonne(click here)
- Coal prices in Rs per kg(click here)
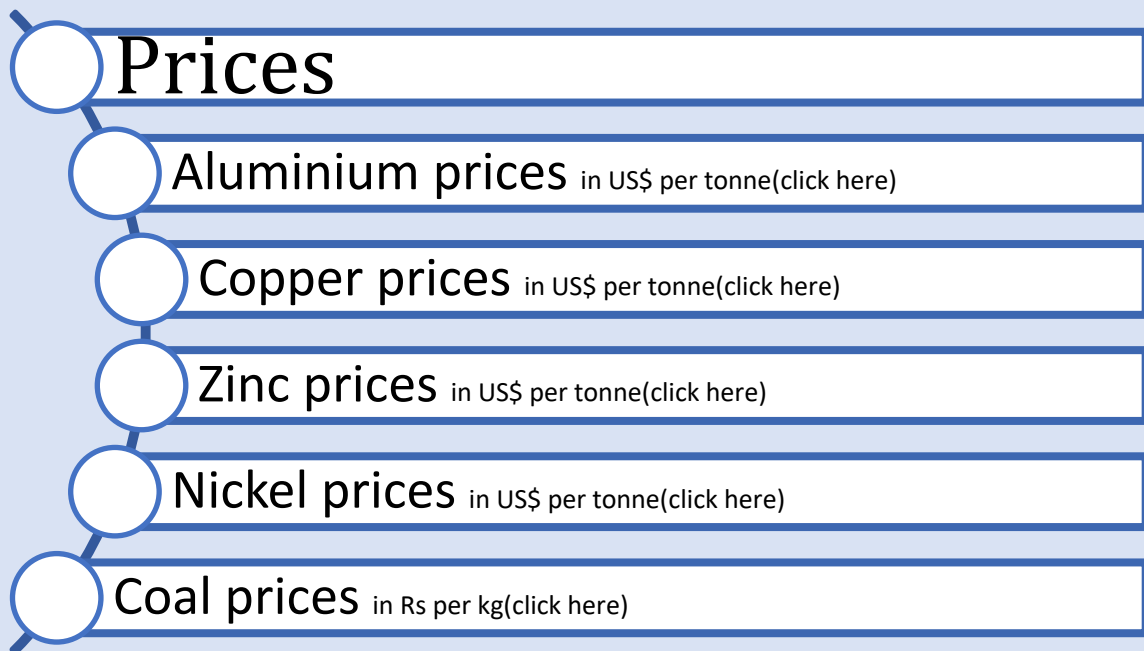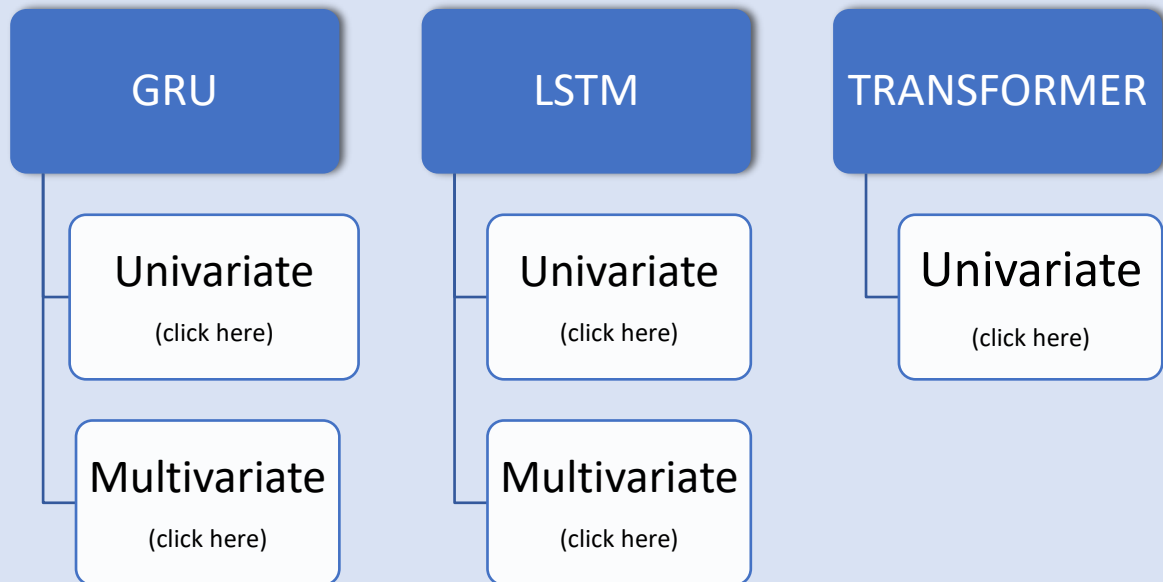
Excel Sheets Drive Links

- **Aluminium**(click here)
- **Copper**(click here)
- **Zinc** (click here)
- **Nickel**(click here)

Errors	MSE	MAE	MAPE
GRU	0.00077411	0.0160, 0.017487	1.6579
LSTM	0.0006084	0.0168429	2.0161
LSTM MULTIVARIATE	0.0007711	0.0203926	1.9768
GRU MUTIVARIATE	0.0008299	0.0222032	2.0703
TRANSFORMER	0.000525377	0.0198714	1.5471

Stock Name	Time	Total Period	Training Period	Testing Period
Aluminium	Start End	2008-01-02 2023-12-29	2008-01-02 2020-10-14	2020-10-14 2023-12-29
Copper	Start End	2008-01-02 2023-12-29	2008-01-02 2020-10-14	2020-10-14 2023-12-29
Zinc	Start End	2008-01-02 2023-12-29	2008-01-02 2020-10-14	2020-10-14 2023-12-29
Nickel	Start End	2008-01-02 2023-12-29	2008-01-02 2020-10-14	2020-10-14 2023-12-29