

— ETS — Hybrid — Observed — SARIMA— STL

H: RMSE of Models

Method	Train	Test	Train and Test
Grey Model	4850.20	2788.09	4571.57
Neural Network	678.92	2727.38	1315.14
STL	1317.42	2659.31	1620.18
ETS	1413.06	2534.85	1653.74
SARIMA	1910.56	4103.54	2418.34
Hybrid*	892.11	2768.75	1430.02

I: R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.30	0.16	0.29
Neural Network	0.97	0.36	0.88
STL	0.95	0.36	0.91
ETS	0.94	0.38	0.91
SARIMA	0.91	0.15	0.85
Hybrid*	0.95	0.19	0.87

*Hybrid: Combined SARIMA, ETS, STL

J: MAE of Models

Method	Train	Test	Train and Test
Grey Model	2762.10	1444.99	2542.58
Neural Network	384.13	1377.69	564.77
STL	517.93	1392.96	663.77
ETS	619.20	1354.02	741.67
SARIMA	1075.65	3130.87	1418.19
Hybrid*	504.85	1676.54	717.88

*Hybrid: Combined SARIMA, ETS, STL and Neural Network model and Neural Network model

*Hybrid: Combined SARIMA, ETS, STL and Neural Network model