







# — ETS — Hybrid — Observed — SARIMA— STL

### H: RMSE of Models

Method	Train	Test	Train and Test
Grey Model	72.96	85.10	75.12
Neural Network	58.46	79.77	62.87
STL	53.74	50.38	53.20
ETS	56.70	49.40	55.55
SARIMA	65.48	65.44	65.47
Hybrid*	54.36	53.92	54.28

## I: R-squared of Models

Method	Train	Test	Train and Test
Grey Model	0.44	0.00	0.49
Neural Network	0.65	0.01	0.63
STL	0.70	0.46	0.74
ETS	0.67	0.46	0.71
SARIMA	0.56	0.05	0.60
Hybrid*	0.70	0.48	0.72

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

### J: MAE of Models

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Train	Test	Train and Test			
49.98	71.14	53.50			
45.04	64.31	48.55			
39.98	38.46	39.72			
42.19	40.72	41.94			
47.99	57.77	49.62			
40.79	46.50	41.83			
	Train 49.98 45.04 39.98 42.19 47.99	Train         Test           49.98         71.14           45.04         64.31           39.98         38.46           42.19         40.72           47.99         57.77			

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

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