

6×10^{4} 5×10^{4} 4×10^{4} 3×10^{4}	Tr	ain Database			 Observed Grey Model Neural Network STL
2×10^{4} 1×10^{4} 0 0 0 0	2007	2008	2009	2010	ETSSARIMAHybrid Model

H: RMSE of Models

Method	Train
Grey Model	9322.46
Neural Network	4456.26
STL	3113.02
ETS	3229.61
SARIMA	4112.83
Hybrid Model*	3773.84

I: R-squared of Models

Date

Method	Train
Grey Model	0.02
Neural Network	0.79
STL	0.89
ETS	0.89
SARIMA	0.81
Hybrid Model*	0.86

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

J: MAE of Models

Method	Train
Grey Model	7431.02
Neural Network	3291.10
STL	2051.61
ETS	2270.80
SARIMA	2266.09
Hybrid Model*	2460.84

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

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