

$ 4 \times 10^{2} $ $ 3 \times 10^{2} $ $ 2 \times 10^{2} $ $ 1 \times 10^{2} $		Train Database			<ul> <li>Observed</li> <li>Grey Model</li> <li>Neural Network</li> <li>STL</li> <li>ETS</li> <li>SARIMA</li> <li>Hybrid Model</li> </ul>
200	6 2007	2008	2009	2010	

## **H: RMSE of Models**

Method	Train
Grey Model	76.15
Neural Network	21.26
STL	25.98
ETS	29.47
SARIMA	36.67
Hybrid Model*	25.53

# \*Hybrid: Combined SARIMA, ETS, STL

and Neural Network model

# I: R-squared of Models

**Date** 

Method	Train
Grey Model	0.17
Neural Network	0.92
STL	0.90
ETS	0.88
SARIMA	0.84
Hybrid Model*	0.88

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

## J: MAE of Models

Method	Train
Grey Model	66.18
Neural Network	17.05
STL	18.92
ETS	21.73
SARIMA	22.99
Hybrid Model*	20.06

<sup>\*</sup>Hybrid: Combined SARIMA, ETS, STL and Neural Network model