

$3 \times 10^{2}$ $2 \times 10^{2}$ $1 \times 10^{2}$					<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>
20	06 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*	25.80	

## \*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

<sup>\*</sup>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*	20.16	

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