

4 ^10	I rain Da	atabase	<b>!</b> ∧		
$3 \times 10^{4}$ See $2 \times 10^{4}$ $1 \times 10^{4}$				— Observed — Grey Model — Neural Netwo — STL — ETS — SARIMA — Hybrid Mode	
20	06 2007	2008	2009	2010	

## **H: RMSE of Models**

Method	Train	
Grey Model	8280.08	
Neural Network	1642.74	
STL	1903.21	
ETS	1694.63	
SARIMA	3479.01	
Hybrid Model*	2314.64	

\*Hybrid: Combined SARIMA, ETS, STL

and Neural Network model

I: R-squared of Models

**Date** 

Method	Train
Grey Model	0.04
Neural Network	0.97
STL	0.96
ETS	0.96
SARIMA	0.83
Hybrid Model*	0.95

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

## J: MAE of Models

Method	Train	
Grey Model	6147.87	
Neural Network	1201.84	
STL	948.95	
ETS	936.30	
SARIMA	1786.79	
Hybrid Model*	1367.27	

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