

$6 \times 10^{4}$ $5 \times 10^{4}$	Trair	n Database			
					Observed
$4 \times 10^4$					— Grey Model
3 ×10 <sup>4</sup>					<ul><li>Neural Network</li><li>STL</li></ul>
$2 \times 10^4$					— ETS
$1 \times 10^4$					— SARIMA
					— Hybrid Model
0 <del>+</del> 200	2007	2008	2009	2010	
		Date			

## 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*	3789.69

## \*Hybrid: Combined SARIMA, ETS, STL

and Neural Network model

## I: R-squared of Models

Method	Train	
Grey Model	0.02	
Neural Network	0.79	
STL	0.89	
ETS	0.89	
SARIMA	0.81	
Hybrid Model*	0.85	

<sup>\*</sup>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*	2499.41

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